

**DOKUZ EYLÜL UNIVERSITY  
GRADUATE SCHOOL OF NATURAL AND APPLIED  
SCIENCES**

**AN INFRASTRUCTURE MODEL FOR  
COLLECTING ELECTRONIC DATA TO  
DEVELOP LARGE SCALE CORPUS**

by

**Fatma KIZILAY**

**October, 2009**

**İZMİR**

**AN INFRASTRUCTURE MODEL FOR  
COLLECTING ELECTRONIC DATA TO  
DEVELOP LARGE SCALE CORPUS**

**A Thesis Submitted to the  
Graduate School of Natural and Applied Sciences of  
Dokuz Eylül University  
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the Degree of Master of Science in Computer Engineering, Computer  
Engineering Program**

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## M.Sc THESIS EXAMINATION RESULT FORM

We have read the thesis entitled “AN INFRASTRUCTURE MODEL FOR COLLECTING ELECTRONIC DATA TO DEVELOP LARGE SCALE CORPUS” completed by **FATMA KIZILAY** under supervision of **PROF.DR. YALÇIN ÇEBİ** and we certify that in our opinion it is fully adequate, in scope and in quality, as a thesis for the degree of Master of Science.

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Fatma KIZILAY

# **AN INFRASTRUCTURE MODEL FOR COLLECTING ELECTRONIC DATA TO DEVELOP LARGE SCALE CORPUS**

## **ABSTRACT**

In the Dokuz Eylül University Computer Engineering Department, different studies on Natural Language Processing (NLP) have been carried out. For NLP research grammatical rules of the language must be determined and a text sample of that language, which is called as corpus, must be prepared. These sample texts should satisfy the grammar rules of language.

In this study, an infrastructure for a large scale corpus is designed and implemented. A database model, which supports 6 different document type such as newspaper, report, magazine, book, parliamentary report and official gazette, is designed.

By implementing the developed application depending on the database model, 195256 articles were downloaded from 5 newspapers, and their metadata was stored for future use.

**Keywords:** Natural Language Processing, Corpus, Database Source, Sample Text.

# **BÜYÜK ÖLÇEKLİ DERLEM GELİŞTİRMEK AMACIYLA ELEKTRONİK VERİ TOPLAMAK İÇİN BİR ALTYAPI MODELİ**

## **ÖZ**

Dokuz Eylül Üniversitesi Bilgisayar Mühendisliği Bölümünde, Doğal Dil İşleme alanında farklı çalışmalar yürütülmektedir. Doğal Dil İşleme çalışmalarında dilin dilbilgisi kuralları belirlenmeli ve derlem olarak adlandırılan metin örnekleri hazırlanmalıdır. Bu örnekler dilin dilbilgisi kurallarını karşılamak zorundadır.

Bu çalışmada, büyük ölçekli derlem için altyapı tasarlanmış ve gerçekleştirilmiştir. Gazete, rapor dergi, kitap, meclis tutanağı ve resmi gazete gibi 6 farklı doküman tipini destekleyen bir veri tabanı modeli tasarlanmıştır.

Veri tabanı modeline bağlı olarak gerçekleştirilen uygulama ile 5 gazeteden 195256 makale indirilmiştir ve bu dokümanların üst verileri daha sonar yapılacak çalışmalar için depolanmıştır.

**Anahtar sözcükler:** Doğal Dil İşleme, Derlem, Veritabanı Kaynağı, Örnek Metin.

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## CHAPTER ONE

### INTRODUCTION

Natural language processing (NLP) is a field of computer science and linguistics concerned with the interactions between computers and human (natural) languages. In the past 2 decades, NLP and computational linguistics have considerably matured. The move has mainly been driven by the tremendous increase of textual and spoken data and the need to process them automatically. NLP is an engineering and science discipline that concerned on constructing and implementing computer systems. Ideally, language processing would enable a computer to analyze huge amounts of text and to understand them; to communicate with us in a written or a spoken way; to capture our words whatever the entry mode: through a keyboard or through a speech recognition device; to parse our sentences; to understand our utterances, to answer our questions, and possibly to have a discussion with us – the human beings Nugues, P. M. (2006). The aim of NLP is constructing computer systems for analyzing, understanding, explicating, and producing a natural language.

The main purposes of studies on NLP are;

- Understanding Natural Languages' functions and structures well
- Using Natural Language between human and computer as an interface
- Processing language translation process

For these purposes, solutions are generated for specific problems such as misspellings that occur in documents, information retrieval from the Internet, translations between languages. NLP applications are developed, such as spelling and grammar checkers, text indexing and information retrieval from the Internet, machine translation, to solve these kinds of problems.

For research on NLP, languages' grammar rules must be determined. Another main necessity is text samples. NLP applications must have a large corpus for generating, implementing, and testing phases of the applications. These sample text

should satisfy the grammar rules of language. Grammar rules of the languages are not applied on colloquial language, since they are not suitable for the research. But formal written texts are providing a healthy and consistent language corpus. The research and the result of the analysis are affected by the corpus scale. If a big corpus can be generated, variation of text samples will raise and the quality of the research will increase. Also variety of authors and type of texts such as politics, economics, sports are important to increase the quality.

The main goal of this study is to develop an infrastructure model for collecting electronic data to develop large scale corpus. A database model is designed and test modules are implemented. A database is designed for a corpus. The design is concerned with different types of text resources such as newspapers, books, magazines. Main class of applications is implemented. Database insertion is done by this class. Documents information is added to the database by using this class and also the relationship of tables are provided. A test application is implemented for collecting documents of the corpus. For newspapers articles, link finder and downloading article algorithms are developed.

This thesis is divided into 6 chapters. Chapter 1 introduces the thesis and explains briefly why it was written. Chapter 2 includes related works and explains some Corpora prepared in Turkish. In chapter 3, used technologies and database model are explained briefly. Chapter 4 gives a detailed explanation of modules in the project and implemented algorithms. User manual and reports, which give statistical data from the documents in corpus, of program are explained with details in Chapter 5. Finally, last chapter presents the conclusion.

## CHAPTER TWO

### RELATED WORK

#### 2.1 Related Work

There are some Turkish Corpora those are listed below:

- METU Turkish Corpus
- Dalkilic Corpus
- Koltuksuz Corpus
- YTÜ Corpus
- TurCo Turkish Corpus

But these corpora have not an infrastructure to store metadata of corpus documents. The articles and text documents are stored in a storage media. But metadata of documents are not stored in database, and searching operations cannot be applied for these corpora. By storing author names, source of documents, written date of documents and other specific data in data base, data usability and operatability properties are increased.

#### 2.2 Turkish Corpora

##### 2.2.1 *METU Turkish Corpus*

METU Turkish Corpus is a collection of 2 million words of post-1990 written Turkish samples. A subset of the corpus is used in METU-Sabanci Turkish Treebank. METU Turkish Corpus is XCES tagged at the typographical level. The distribution of the corpus also includes a workbench and related publications.

The words of METU Turkish Corpus were taken from 10 different genres. At most 2 samples from each source is used; each sample is 2000 words or the sample ends when the next sentence ends. Metu, 2009.

### ***2.2.2 Dalkilic Corpus***

It was created for letter statistics and to define the characteristics of Turkish language like Koltuksuz corpus. It has 1,473,738 characters from Hurriyet newspaper web archive (01/01/1998 – 06/01/1998 mainpage and 01/01/1998 – 06/30/1998 authors) (Dalkılıç, 2001).

*Dalkilic Corpus*: It is the combination of some the previous Turkish corpora (Koltuksuz, YTÜ and Dalkilic corpora) with a size of 11,749,977 characters (Dalkılıç & Dalkılıç, 2001).

### ***2.2.3 Koltuksuz Corpus***

Koltuksuz Corpus has 6,095,457 characters and formed of 24 novels and stories from 22 different authors. It is used for letter statistics and finding out some of the characteristics of Turkish language (Koltuksuz, 1995).

### ***2.2.4 YTÜ Corpus***

This corpus has 4,263,847 characters from 14 different documents: 3 Novels, 1 PhD Thesis, 1 Transcription and 9 Articles (Diri, 2000).

### ***2.2.5 TurCo Turkish Corpus***

TurCo includes 50,111,828 words. It consists of text data taken from 11 different websites, and novels and stories in Turkish that belong to more than 100 authors.

## CHAPTER THREE

### USED TECHNOLOGIES & DATABASE MODEL

#### 3.1 Used Technologies

.Net C# Programming Language, Microsoft SQL Server Database and Microsoft Windows Server 2003 technologies are used for NLP studies in D.E.U Computer Science Engineering Department so they are used in this project, which is a part of the studies in the department. Firstly Windows Server 2003 (also referred to as Win2K3) that is a server operating system produced by Microsoft is used. Database of project runs on Windows SQL Server. Application is developed on Microsoft Visual Studio. Additionally Crystal Reports application is used. Some reports are designed by this application which are used for evaluation for downloaded documents.

##### 3.1.1 *Windows Server 2003*

Windows Server 2003 includes all the functionality that customers need today from a Windows Server operating system to do more with less, such as security, reliability, availability, and scalability. In addition, Microsoft has improved and extended the Windows server operating systems to incorporate the benefits of Microsoft .NET for connecting information, people, systems, and devices.

Windows Server 2003 is a multipurpose operating system capable of handling a diverse set of server roles, depending on your needs, in either a centralized or distributed fashion. Some of these server roles include:

- File and print server.
- Web server and Web application services.
- Mail server.
- Terminal server.
- Remote access and virtual private network (VPN) server.

- Directory services, Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP) server, and Windows Internet Naming Service (WINS).
- Streaming media server. Microsoft, 2009.

### ***3.1.2 Microsoft SQL Server***

Microsoft SQL Server 2005 is comprehensive, integrated data management and analysis software that enables organizations to reliably manage mission-critical information and confidently run today's increasingly complex business applications. SQL Server 2005 allows companies to gain greater insight from their business information and achieve faster results for a competitive advantage. Solutions of tool are listed below: Microsoft, 2009.

- **Business Intelligence:** Gain deeper insight into your business with integrated, comprehensive analysis and reporting for enhanced decision making.
- **High Availability:** Ensure business continuity with the highest levels of system availability through technologies that protect your data against costly human errors and minimize disaster recovery downtime.
- **Performance and Scalability:** Deliver an infrastructure that can grow with your business and has a proven record in handling today's large amounts of data and most critical enterprise workloads.
- **Security:** Provide a secure environment to address privacy and compliance requirements with built-in features that protect your data against unauthorized access.
- **Manageability:** Manage your infrastructure with automated diagnostics, tuning, and configuration to reduce operational costs while reducing maintenance and easily managing very large amounts of data.
- **Developer Productivity:** Build and deploy critical business-ready applications more quickly by improving developer productivity and reducing project life cycle times.

### ***3.1.3 Microsoft Visual Studio***

Microsoft Visual Studio is an Integrated Development Environment (IDE) from Microsoft. It can be used to develop console and graphical user interface applications along with Windows Forms applications, web sites, web applications, and web services in both native code together with managed code for all platforms supported by Microsoft Windows, Windows Mobile, Windows CE, .NET Framework, .NET Compact Framework and Microsoft Silverlight. This product is used as an IDE for developing applications. Wikipedia, 2009.

C# is used as programming language. Microsoft Visual C# is Microsoft's implementation of the C# programming language specification, included in the Microsoft Visual Studio suite of products. It is based on the ECMA/ISO specification of the C# language, which Microsoft also created. While multiple implementations of the specification exist, Visual C# is by far the one most commonly used. C# programming language is used for developing applications. Wikipedia, 2009.

### ***3.1.4 Crystal Reports***

Crystal Reports is a business intelligence application used to design and generate reports from a wide range of data sources. Several other applications, such as Microsoft Visual Studio, bundle an OEM version of Crystal Reports as a general purpose reporting tool. Crystal Reports allows users to graphically design data connections and report layout. In the Database Expert, users can select and link tables from a wide variety of data sources, including Microsoft Excel spreadsheets, Oracle databases, Business Objects Enterprise business views, and local file system information. Crystal reports designer is used as reporting tool fro designing reports. Crystal report designer is as given as a component in Visual Studio 2005 Enterprise Edition. Wikipedia, 2009.



### 3.2 Database Model

This project organizes sample texts in a systematic way. By this designed infrastructure, formal written texts are classified and stored in database in a systematic way. Also corpus documents are stored in disk by using specific folder naming method. This infrastructure is designed by the light of similarities and dissimilarities of document types such as newspapers, books, magazines.

Application database model is designed to store metadata of documents. Documents are split into groups and each group has extra identity fields. The model can be used for different kind of written texts type like newspaper, book, magazine.

Classification of documents is required for specific researches such as author identification. So searching operations and indexing can be made more efficiently.

The database model consists of 13 tables. Table named as “Dokuman” stores generic data such as author name, publish date, size of document that obtained for every document type such as newspaper, book. Document specific tables are generated to share specific properties of each retrieved document type such as book, newspaper, and magazine. These document types are magazine, newspaper, official newspaper, parliamentary report, book and report. Shared data for these document types is stored in “resmi\_gazete”, ”kitap”, ”meclis\_tutanagi”, “Gazete”, ”Rapor” and “Dergi” tables. Following figure shows database model:

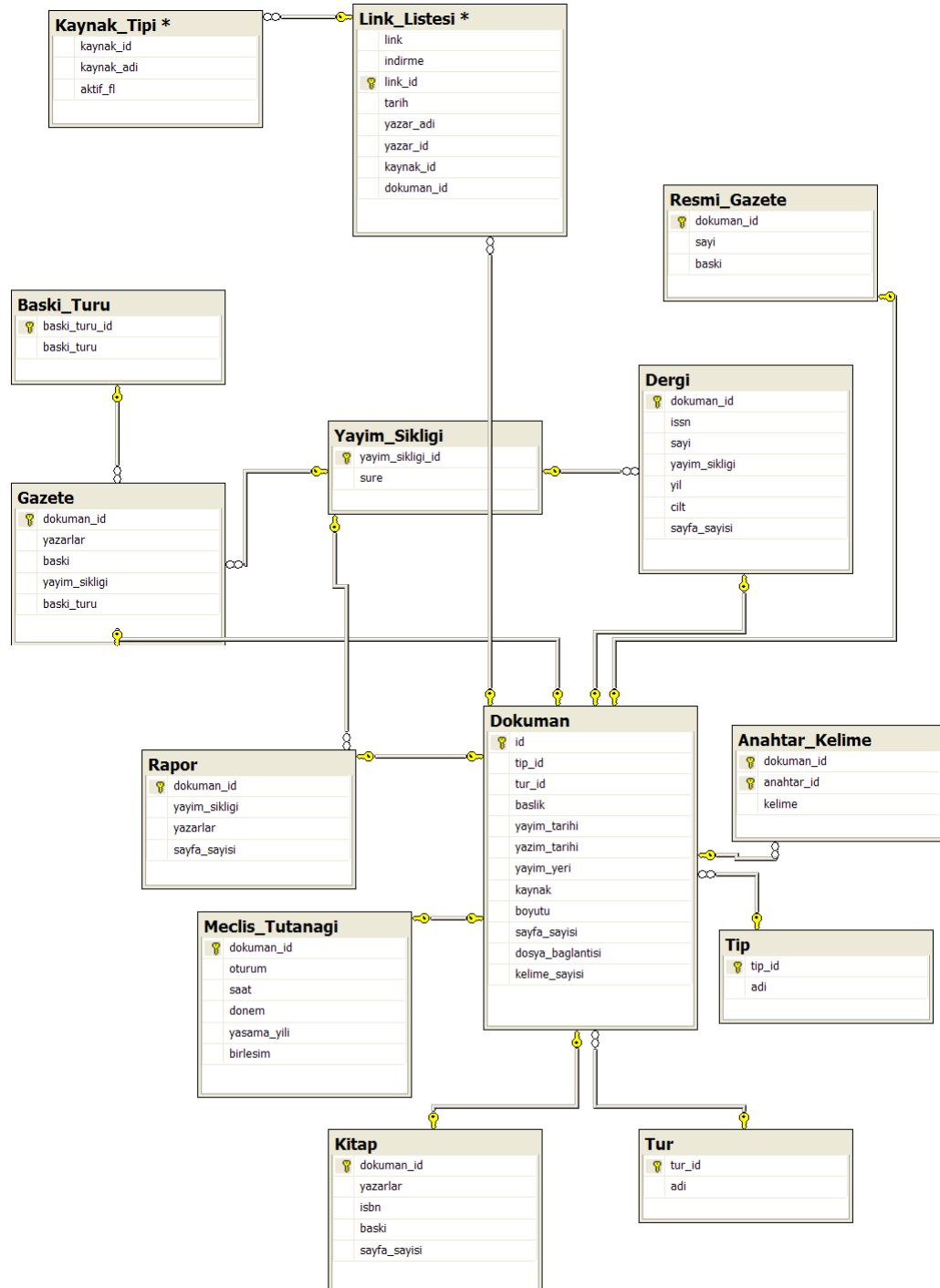


Figure 3.1 Database model

Specific values of document type such as type of document, publish frequency are stored in 3 description tables, “Tip”, “Tür” and “Yayim\_Sikligi”.

For web page links, which point the source page of their document, another table named as “*link\_list*” is generated. When newspaper article links are needed to be found, this table is required. Almost every newspaper has an archive article pages list of authors. These pages contain article lists of author. These pages are downloaded once and all links are founded and inserted into “*link\_list*” table.

For keywords of document, which contains significant words of document, another table named as “*anahtar\_kelime*” is generated. This table is designed for searching operations on texts. This project does not include keyword determination module.

### ***3.2.1 Description of table named as “Dokuman”***

This table stores the generic data of documents. All documents have common properties that are “title of document”, “publication date”, “size of document”, “document type”, “document category”, “written date”, “publisher of document”, “source of document”, “page number of document”, “URL link of document”.

Table 3.1 Explanation of “Dokuman” table.

Column Name	Description
Id	This field stores a unique number that refers each document which is primary key of table and cannot be null. This number is generated when a new document is saved. System takes maximum ID of documents and increases the number.
Tip_id	This field stores the id of document type which cannot be null. Document types are defined in “tip” table.
Tur_id	This field stores the id of document class. Document classes are defined in “tur” table.
Baslik	This field contains the header of document, can not be null. Maximum length of field is 300 characters. For newspaper article, article header is stored in this field. For books, book name is stored either.
Yayim_tarihi	This field contains document published date.
Yazim_tarihi	This field contains document’s written date.
Yayim_yeri	This field stores the publisher name.
Kaynak	This field contains the data of where the document is taken.
Boyutu	This field contains size of the document
Sayfa_sayisi	This field contains number of the page.
Dosya_baglantis	This field stores the path of where the document is stored.

### 3.2.2 Description of table named as “Tip”

Documents are categorized according to their type such as newspapers, books, official gazettes, magazines, reports, and reports of parliament. These types of documents are specified in “tip” table. Columns of tip table are below:

Table 3.2 Explanation of “Tip” table.

Column Name	Description
Tip_id	This field contains the unique number of defined types which cannot be null.
Tip_adi	This field contains name of document type. Maximum length of this field is 100 characters.

### 3.2.3 Description of table named as “Tur”

This table stores the category of documents such as politic, economic, horror, and adventure.

Table 3.3 Explanation of “Tur” table.

Column Name	Description
Tur_id	This field contains the unique number of defined category which cannot be null.
Tur_adi	This field contains the defined category name. Maximum length of field is 100 characters.

### 3.2.4 Description of table named as “Anahtar\_Kelime”

This table stores the key words of document. Each key word has a document id that points document table and “anahtar\_id” which is primary key. By this table, quick searches can be performed and keyword related documents can be found easily.

Table 3.4 Explanation of “Anahtar\_Kelime” table.

Column Name	Description
Dokuman_id	This field contains the document identity number that described keyword belongs to.
Anahtar_id	This field contains unique number of keyword.
Kelime	This field contains the keyword. Maximum length of keyword is 30 characters.

### 3.2.5 Description of table named as “Resmi\_Gazete”

This table stores specific data for official gazette.

Table 3.5 Explanation of “Resmi\_Gazete” table.

Column Name	Description
Dokuman_id	This field contains the document identity number of related document.
Sayi	An official gazette has a unique number that defines the order of newspaper.

### 3.2.6 Description of table named as “Kitap”

This table stores the specific data for books.

Table 3.6 Explanation of “Kitap” table.

Column Name	Description
Dokuman_id	This field stores the document identity number of related document.
Yazarlar	This field stores the name of author.
Isbn	This fields stores the ISBN number of the book.
Baski	This fields stores the publish number of the book.

### 3.2.7 Description of table named as “Meclis\_Tutanagi”

This table stores the specific data for parliamentary reports.

Table 3.7 Explanation of “Meclis\_Tutanagi” table.

Column Name	Description
Dokuman_id	This field stores the document identity number of related document.
Oturum	This field stores the session number of report.
Saat	This field stores the time of session.
Donem	This field stores the time period of report.
Yasama_yili	This field stores the year of report.
Birlesim	This field stores the number of meeting

### 3.2.8 Description of table named as “Gazete”

This table stores the specific data for newspaper articles.

Table 3.8 Explanation of “Gazete” table.

Column Name	Description
Dokuman_id	This field contains the document identity number of related document.
Yazarlar	This field contains the writers of newspaper articles.
Baski	This field contains the number of newspaper’s publish.
Yayim_sikligi	This field refers the frequency of publish and related to “yayimSikligi” table.

### 3.2.9 Description of table named as “Rapor”

This table stores the specific data for reports.

Table 3.9 Explanation of “Rapor” table.

Column Name	Description
Dokuman_id	This field stores the document identity number related document.
Yayim_sikligi	This field refers the frequency of publish and related to “yayimSikligi” table.

### 3.2.10 Description of table named as “Dergi”

This table stores the specific data for magazine.

Table 3.10 Explanation of “Dergi” table.

Column Name	Description
Dokuman_id	This field stores the document identity number of related document.
Issn	This field stores the issn numbers of magazine.
Baski	This field stores the publish number of magazine.
Sayi	this field stores the number of magazine.
Yayim_sikligi	This field refers the frequency of publish and related with “yayimSikligi” table.

### 3.2.11 Description of table named as “Yayim\_Sikligi”

Some documents are published periodically such as daily and monthly. These frequencies of publish are stored in this table.

Table 3.11 Explanation of “Yayim\_Sikligi” table.

Column Name	Description
Yayim_sikligi_id	This field stores the unique number that refers the frequency of publish.
Sure	This field stores the time period of publish.

### 3.2.12 Description of table named as “Link\_Listesi”

Article’s URLs are stored in this table. Link finder module uses this table for storing link information.



Table 3.12 Explanation of “Link\_Listesi” table.

Column Name	Description
Link_id	This field is the primary key of table. Every link has a unique number and this field stores the unique number.
Link	URL of articles are stored in this field. Download article module uses this data to find and download it.
Indirme	This field stores the link statue. If the link is downloaded before it takes ‘E’, else it takes ‘H’. Every article is downloaded only one time.
Tarih	Publish date of article is stored in this field.
Yazar_adi	Author name is stored in this field.
Kaynak_id	This field stores the resource identity number. Every resource has a unique number. This number is a parameter for article download module.
Dokuman_id	When the article is downloaded, this field is updated. This field points the related record in dokuman table.

### 3.2.13 Description of table named as “Kaynak\_Tipi”

Newspapers are defined in this table. Link finder module and download article module use this data as a parameter.

Table 3.13 Explanation of “Kaynak\_Tipi” table.

Column Name	Description
Kaynak_id	Every resource has a unique number. This field stores these numbers.
Kaynak_adi	Resource names are stored in this field.
Aktif_fl	This field stores resource statue. If defined resource is not usable any more it takes ‘E’, else it takes ‘H’ value.

## CHAPTER FOUR

### MODULES IN THE PROJECT

#### 4.1 Defined And Implemented Classes

This project consists of two main part which are:

- Database operation module
- Download Module

#### 4.2 Database Operation Modules

The name of this module is given as “Dokuman Yonetici” and developed for processing database operations. This module enables to bind collected document meta information to the database. Six different type of document can be bind to database. Also for every document keywords can be tagged to the document.

##### *4.2.1 Description of “Constructor Document Yonetici”*

The constructor of the class creates the connection class to the database. The default constructor does not need any parameters, nevertheless the connection could be done to every kind of databases, such as ORACLE ACCES, by writing the correct “ConnectionString”. The connection string can be send as a parameter.

Function signatures are listed below:

- `public DokumanYonetici()`
- `public DokumanYonetici(string baglantiKodu)`

“`public DokumanYonetici(string baglantiKodu)`” constructor takes one argument named as “baglantiKodu”. This argument is connection string for connecting to the database.

#### ***4.2.2 Description of “DokumanEkle”***

This function makes a delegation to forward document data parameters to the specific document adding function. These forwarded functions are DergiEkle, GazeteEkle, KitapEkle, MeclisTutanagiEkle, RaporEkle, and ResmiGazeteEkle.

Function signature is `public int DokumanEkle(string tip, Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs of this function are listed below:

- Tip : This defines the document type. This variable should be one of the strings (GAZETE, KITAP, RAPOR, DERGI, MECLISTUTANAGI, RESMIGAZETE).
- dokumanKayit : This hash table includes primary data of the document. Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU, DOSYA\_BAGLANTISI).
- tipKayit : This hash table includes specific data of the document. Keys and values vary for every document type.

Finally the function returns the result of the delegated function.

#### ***4.2.3 Description of “AnahtarKelimeEkle”***

This function adds a new keyword to the database and tags the defined document known through dokumanId.

Function signature is `public int AnahtarKelimeEkle(int dokumanId, string anahtarKelime).`

Inputs are listed below:

- dokumanId : This defines the document id that can be taken after the document added to the database.
- anahtarKelime : This parameter is the keyword that is tagged with the document.

Finally the function returns the three type results. If the result is -1, An error occurred on database connection. If the result is 0, an error occurred while inserting data, there will be a problem on parameters. If the result is bigger than 0, the result is the number of the current document's keyword.

#### ***4.2.4 Description of “GazeteEkle”***

This function adds a new GAZETE typed document data into the database.

Function signature is `private int GazeteEkle(Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs are listed below:

- dokumanKayit : This hashtable includes primary data of the document. Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU, DOSYA\_BAGLANTISI).
- tipKayit : This hashtable includes spesific data of the document. Hash table should include keys and values of (YAZARLAR, BASKI, YAYIM\_SIKLIGI, BASKI\_TURU).

Finally the function returns the three type results. If the result is -1, an error occurred on database connection. If the result is 0, an error occurred while inserting meta data, there will be a problem on parameters. If the result is bigger than 0, the result is id number of the document that is called dokumanId.

#### 4.2.5 Description of “KitapEkle”

This function adds a new KİTAP typed document data into the database.

Function signature is `private int KitapEkle(Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs are listed below:

- `dokumanKayit` : This hashtable includes primary data of the document. Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU, DOSYA\_BAGLANTISI).
- `tipKayit` : This hash table includes specific data of the document. Hash table should include keys and values of (YAZARLAR, ISBN, BASKI, SAYFA\_SAYISI).

Finally the function returns the three type results. If the result is -1, an error occurred on database connection. If the result is 0, an error occurred while inserting meta data, there will be a problem on parameters. If the result is bigger than 0, the result is id number of the document that is called `dokumanId`.

#### 4.2.6 Description of “RaporEkle”

This function adds a new RAPOR typed document data into the database.

Function signature is `private int RaporEkle(Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs and outputs are listed below:

- `dokumanKayit` : This hashtable includes primary data of the document. Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU,

DOSYA\_BAGLANTISI).

- tipKayit : This hashtable includes specific information of the document. Hash table should include keys and values of (YAYIM\_SIKLIGI, YAZARLAR, SAYFA\_SAYISI ).

Finally the function returns the three type results. If the result is -1, an error occurred on database connection. If the result is 0, an error occurred while inserting meta data, there will be a problem on parameters. If the result is bigger than 0, the result is id number of the document that is called dokumanId.

#### ***4.2.7 Description of “DergiEkle”***

This function adds a new DERGI typed document data into the database.

Function signature is `private int DergiEkle(Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs are listed below:

- dokumanKayit : This hash table includes primary data of the document. Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU, DOSYA\_BAGLANTISI).
- tipKayit : This hash table includes specific meta information of the document. Hash table should include keys and values of (ISSN, SAYI, YAYIM\_SIKLIGI, YIL, CILT, SAYFA\_SAYISI).

Finally the function returns the three type results. If the result is -1, an error occurred on database connection. If the result is 0, An error occurred while inserting meta data, there will be a problem on parameters. If the result is bigger than 0, the

result is id number of the document that is called dokumanId.

#### ***4.2.8 Description of “MeclisTutanagiEkle”***

This function adds a new MECLISTUTANAGI typed document data into the database.

Function signature is `private int MeclisTutanagiEkle(Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs are listed below:

- dokumanKayit : This hash table includes primary data of the document. Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU, DOSYA\_BAGLANTISI).
- tipKayit : This hash table includes specific information of the document. Hash table should include keys and values of (DONEM, YASAMA\_YILI, BIRLESIM).

Finally the function returns the three type results. If the result is -1, an error occurred on database connection. If the result is 0, an error occurred while inserting meta data, there will be a problem on parameters. If the result is bigger than 0, the result is id number of the document that is called dokumanId.

#### ***4.2.9 Description of “ResmiGazeteEkle”***

Function signature is `private int ResmiGazeteEkle(Hashtable dokumanKayit, Hashtable tipKayit).`

Inputs and outputs are listed below:

- dokumanKayit : This hash table includes primary information of the document.

Hash table should include keys and values of (TUR\_ID, BASLIK, YAYIM\_TARIHI, YAZIM\_TARIHI, YAYIM\_YERI, KAYNAK, BOYUTU, DOSYA\_BAGLANTISI).

- tipKayit : This hash table includes specific information of the document. Hash table should include keys and values of (SAYI, BASKI).

Finally the function returns the three type results. If the result is -1, an error occurred on database connection. If the result is 0, an error occurred while inserting meta data, there will be a problem on parameters. If the result is bigger than 0, the result is id number of the document that is called dokumanId.

This function adds a new RESMIGAZETE typed document meta data into the database.

### **4.3 Download Module**

Aim of this module is finding and downloading newspapers articles. These articles are saved according to designed database by using “*DokumanYoneticisi*” Class. This module is also used for testing “*DokumanYoneticisi Class*” and generating an article corpus.

This module provides 2 main functionalities:

1. Finding articles' web page links
2. Downloading articles' texts and meta data of articles.

#### ***4.3.1 Finding URL of Articles***

This module is designed for finding URL of newspapers' article. URL format of articles' published before 2008, can be generated by implementing a code block that involves a loop in download module. This method's disadvantage is all writer identification numbers have to be defined first. For Milliyet, identification codes for



121 writers have to be determined and specified in code block of link generation. HTML formats of newspapers' web page and data types are updated frequently. So if authors' identification codes are updated by newspaper, identification code of authors determination and specification operations should be done again.

URL of articles format for newspaper named Milliyet published before 2008 is below:

Milliyet home page link + date of newspaper (in yyyy/mm/dd format)+ type of article + writer id + “.html”

For example: <http://www.milliyet.com.tr/2007/01/01/yazar/hpultur.html>

In 2008, this link format is changed. In new URL format, all articles have a unique article id. This format changing process makes invalid to use old method. New article ids are consists of 7 characters and also article publication date is required for generating URL. A new method has to be implemented to solve this problem. After an extensive research and analyzing study, new module is designed. All newspapers have archive web page of articles for authors. This page formats are different for each newspaper. Specific solutions should be designed and also specific algorithms have to be implemented.”Finding URL of articles” module consists of specific solutions for finding articles' URL for 5 Newspaper: “Milliyet, ”Hürriyet”, “Vatan”, 'Akşam' and “Radikal” . These newspapers change their HTML format frequently and the module should be revised according to these changes.

This module finds URL of articles' that have not found and saved before. Founded URLs are inserted into database.

When article download module is processed and URLs are downloaded; the records, which are related to these URL in the “link\_list” table are updated, and also downloaded URLs are marked. If article download operation is interrupted somehow, user can run application and go on downloading where it stopped.

- *Finding URL of Articles in “Milliyet”*

In this algorithm, article URLs are found for newspapers named as Milliyet. Like other newspapers, “Milliyet” changes its HTML format frequently. When HTML format is changed, modifications should be done in algorithm.

Starting point of this algorithm is archive web pages of authors. Each author of newspaper has a unique author id. “Milliyet” uses this id as a parameter in URL of archive web pages. Each web page lists only 10 articles, so page number parameter is needed in URL. The following figure shows a sample for archive web page of author.

Milliyet İnternet haber, finans, spor, astroloji, sağlık, hava durumu, sinema, televizyon, video, tatil, galeri, emlak, arab

Dogya Düzen Görünüm Geçmiş Yer İmleri Araçlar Yardım

http://www.milliyet.com.tr/Yazar.aspx?aType=YazarTumYaziArsiv&AuthorID=59&PAGE=1&ItemsPerPage=10

Haberler Phazeddi

YAZARLAR | SİYASET | EKONOMİ | FINANS | DÜNYA | SPOR | GÜNCEL | YAŞAM | MAGAZİN | ASTROLOJİ | HAVA DUR

Kültür Sanat | Sinema | TV Rehberi | Sağlık | Teknoloji | Eğitim | Otomobil | Bebek Çocuk | Mizah | Oyun | m.milliy

**YAZARIN TÜM YAZILARI YAZARLAR**

■ **Melih Aşık Tüm Yazıları**

■ Yanlış dikiş...	1.9.2009
■ Kültür kompleksi	29.8.2009
■ Aç Parti çalımı...	29.8.2009
■ Yangın taziyesi	28.8.2009
■ Duran Kalkan...	27.8.2009
■ Sadece saçılım...	26.8.2009
■ Phillips raporu	25.8.2009
■ Atlantik raporu	23.8.2009
■ Düşünme zamanı	22.8.2009
■ Milli ad isteme!	21.8.2009
■ Biz Türk müyüz?	20.8.2009
■ Samimi itiraf...	19.8.2009
■ Apo'nun açılımı!	18.8.2009
■ Dağılım olmasa!	16.8.2009
■ Yol haritası...	15.8.2009

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 ... İleri»

ADnet Re

monster.com

monster.com

İŞ Mİ ARIYORSUNUZ ?

monster.com

Figure 4.1 Web page sample of “Milliyet” article archive

As shown above, URL format is:

[http://www.milliyet.com.tr/Yazar.aspx?aType=YazarTumYaziArsiv&AuthorID=59  
&PAGE=1&ItemsPerPage=10](http://www.milliyet.com.tr/Yazar.aspx?aType=YazarTumYaziArsiv&AuthorID=59&PAGE=1&ItemsPerPage=10)

This algorithm uses given URL format. Author id starts from 50 and ends with 210. Algorithm begins from author id 50, and generates an URL for archive which first page number is 1, finds URLs of article in this page. When all URLs are defined, page number is increased by one and the same operations are done. Page number increasing goes on until any archive page URL remains. Then, author id is increased and the same operations done for new author.

When URL of archive found for one author, this web page is downloaded. At this step, firstly author name is discovered. Then a loop code block is processed for finding URL of articles. In this loop, firstly publish date of article is found. Then URL of article comes out. Before insertion process into database, system controls if found URL exist. If it does not exist in database, insertion operation is done for this URL. When all URLs found in page, next archive page is downloaded. If all archive pages are downloaded for one author, then URL of next authors archive is generated and downloaded. The same operations are done for all authors.

- *Finding URL of Articles in “Hürriyet”*

In this algorithm, URLs of articles are found for newspaper named as Hürriyet. Hürriyet has a page that lists all authors. This page URL is <http://www.hurriyet.com.tr/yazarlar/> . The following figure shows a sample of this page.

Yazarlar - Hürriyet - Mozilla Firefox

Dogya Düzen Görünüm Geçmiş Yer İmleri Araçlar Yardım

http://www.hurriyet.com.tr/yazarlar/

Haberler Son dakika Davutoğlu'ndan KKTC de açıklama Haber Yaşam İlanlar İnteraktif Arşiv

**Hürriyet** 02 Eylül 2009 Çarşamba 00:20 İstanbul 26°C

**Yazarlar** [Yazarlar Arşivi](#)

**Uye girişi**  
Benim Sayfam  
Uye Ol Hürriyet  
Dünyası'na Katıl!

**BUGÜNKÜ HÜRRIYET** gazetesinde

**HABER**  
Gündem  
Ekonomi  
Magazin  
Spor  
Dünya  
Piyasalar  
Strateji  
Euractiv  
Şehir Rehberi

**YAŞAM**  
Sağlık  
Teknoloji  
Kültür - Sanat  
Astroloji  
Sinema / Fragman  
Tv Rehberi  
Anneyiz.biz  
En İyi On

**MULTİMEDYA**  
Foto  
Video  
Foto Analiz

**İTERAKTİF**  
At Yarışı Sonuçları  
Canlı Maç Sonuçları

**Yazarlar**

**Oktay EKŞİ** [oeaksi@hurriyet.com.tr](mailto:oeaksi@hurriyet.com.tr)  
**Karşı çıkan mı oldu?**  
HERKESİN "İçeriği ne?" sorusuna yanıt aradığı "Demokratik Açılım"ın kapağı dün de açılmadı. Gerçi İçişleri Bakanı BeşirAtalay konuyla ilgili bir basın toplantısı yaptı ama sonunda, toplantının "bilgi verilmeyeceğini bildirme" amaçlı olduğu anlaşıldı. Atalay bilgi vermedi ama elbet bazı şeyler söyledi. Örneğin:

**Doğan HIZLAN** [dhizlan@hurriyet.com.tr](mailto:dhizlan@hurriyet.com.tr)  
**Yıllar öncesine götürün müzayedede**  
SİMURG KİTAB-EVİ'nin geçen cumartesi günü yaptığı kitap müzayedesine gittim.

**Mehmet Y. YILMAZ** [mehmetyilmaz@hurriyet.com.tr](mailto:mehmetyilmaz@hurriyet.com.tr)  
**Sakız alacak para nerede?**  
EKONOMİST Deniz Gökçe diyor ki: "Bu sakız satılırsa, bakkal kazanır. Bakkal kazanırsa, toptancı kazanır. Toptancı kazanırsa, üretici kazanır. Üretici vergilerini öder, devlet kazanır, ekonomi kazanır. Krizin son kalan etkileri de ortadan kalkar. İyisi mi ekonomik krizi sakinleştirmek için, siz de bir sakız satın alın. Çekinmeyin; alın, verin, ekonomiye can verin."

**Yalçın DOĞAN**  
**Atalay bir kez 'Kürt' dedi**  
SADECE tek bir cümlemin başında geçiyor. Tek bir kez, o da şöyle:  
"Kürt meselesi olarak da adlandırılan meselenin, demokratik hakların genişletilmesiyle çözülebileceğine inanıyorum."

**Özdemir İNCE**  
**Dünya Barış Günü**  
MERSİN'in Deminçik Köyü muhtarı ve imamı Kör İbrahim'in kızı "Güccük Gelin" Nasibe'nin

Figure 4.2 Web Page Sample of Hürriyet author list

Firstly this page is downloaded and all URLs of authors' last article are found. This step is necessary because URLs of authors' archive are found in last article of authors.

The screenshot shows the Hürriyet website interface. At the top, there's a navigation bar with 'Dosya', 'Düzen', 'Görünüm', 'Geçmiş', 'Yer İmleri', 'Araçlar', and 'Yardım'. Below that is a search bar and a row of social media icons. The main header features the Hürriyet logo, the date '02 Eylül 2009', the time 'Çarşamba 00:30', and the location 'İstanbul 26°C'. A prominent banner reads '99 gün 99 gün heyecanı başladı!'. The article section is titled 'Karşı çıkan mı oldu?' and is dated '1 Eylül 2009'. The author is identified as 'Oktay EKŞİ' with the email 'oeksi@hurriyet.com.tr'. The article text begins with 'HERKESİN "İçeriği ne?" sorusuna yanıt aradığı "Demokratik Açılım"ın kapağı dün de açılmadı. Gerçi İçişleri Bakanı Beşir Atalay konuyla ilgili bir basın toplantısı yaptı ama sonunda, toplantının "bilgi verilmeyeceğini bildirme" amaçlı olduğu anlaşıldı. Atalay bilgi vermedi ama elbet bazı şeyler söyledi. Örneğin: "Herkes ülkemizde demokratik standartların yükseltilmesini istiyor" dedi. "Demokratik açılımın amacı ve hedefleri çok açık ve net" dedi. O hedefin "terörü sona erdirmek" olduğunu söyledi. "Bu sürecin temel unsurlarının geniş bir müzakere süreci sonunda oluşturulacağına" ilişkin eski sözlerini anımsattı. O yüzden şimdi ellerinde bir paket yahut eylem planı olmadığını vurguladı. "Bu projede tek bir muhatabımız vardır, o da daha önce ifade ettiğimiz gibi milletimizdir" dedi. Konuşmasının bir yerinde "demokrasimizin standardını yükseltmeyi" amaçladıklarını tekrarlamakla kalmadı, "Zaten hükümetlerimiz döneminde hep yükselttik" dedi. Sayın Atalay'ın hem herkesten dürüstçe katkı isteyip hem de herkesin gözünün içine baka baka "demokratik standartları hep yükselttiklerini" ileri sürmesi, gerçek bir talihsizliktir. Çünkü Adalet ve Kalkınma Partisi (AKP) iktidarı Avrupa Birliği'nin baskısıyla

Figure 4.3 Web Page Sample of "Hürriyet" author last article

Program module finds author name and takes URL on it. This link leads authors' archive. This page lists all articles of author. The following figure shows the archive page of selected author's article.

Oktaay EKŞİ ile ilgili tüm haberler - Mozilla Firefox

Dogya Düzen Görünüm Geçmiş Yer İmleri Araçlar Yardım

http://www.hurriyet.com.tr/index/oktay\_eksi/

Haberler Phazeddl

Karşı çıkan mı oldu? - Oktaay EKŞİ - Hürriyet.com.tr Oktaay EKŞİ ile ilgili tüm haberler yönlendirmek - What is yönlendirmek?

Ana Sayfa Son Dakika Haber Yaşam İlanlar İnteraktif Arşiv

**Hürriyet** FIRSAT'TA SON BİR GÜN

Anasayfaya dön Aranacak Kelime ... Ara

**Oktaay EKŞİ yazıları...**

01 Eylül 2009, Salı	<a href="#">Karşı çıkan mı oldu?</a>
30 Ağustos 2009, Pazar	<a href="#">Umutlanalım mı?</a>
29 Ağustos 2009, Cumartesi	<a href="#">Bağımsızlığa tırpan</a>
28 Ağustos 2009, Cuma	<a href="#">Reforma buyurun</a>
27 Ağustos 2009, Perşembe	<a href="#">İşte o rapor</a>
26 Ağustos 2009, Çarşamba	<a href="#">Açılma iki katkı</a>
25 Ağustos 2009, Salı	<a href="#">İyisi mi tanınmayın</a>
23 Ağustos 2009, Pazar	<a href="#">İşte muhatap</a>
22 Ağustos 2009, Cumartesi	<a href="#">Yine tutamadı</a>
21 Ağustos 2009, Cuma	<a href="#">Herkes mecbur mu?</a>
20 Ağustos 2009, Perşembe	<a href="#">Çözüm demokrasidir</a>
19 Ağustos 2009, Çarşamba	<a href="#">Trabzon'a dikkat</a>
18 Ağustos 2009, Salı	<a href="#">Megalomanyak</a>
16 Ağustos 2009, Pazar	<a href="#">Deprem'in 10'uncu yılında</a>
15 Ağustos 2009, Cumartesi	<a href="#">Sabıkalı</a>
14 Ağustos 2009, Cuma	<a href="#">İsim fetişizmi</a>
13 Ağustos 2009, Perşembe	<a href="#">Anayasal vatandaşlık?</a>
12 Ağustos 2009, Çarşamba	<a href="#">Süreç ve partiler</a>
11 Ağustos 2009, Salı	<a href="#">Hesap ortada</a>
09 Ağustos 2009, Pazar	<a href="#">Bizim Taliban</a>
08 Ağustos 2009, Cumartesi	<a href="#">Gençlerin feryadı</a>
07 Ağustos 2009, Cuma	<a href="#">Bir somut örnek</a>
06 Ağustos 2009, Perşembe	<a href="#">Süreç</a>
05 Ağustos 2009, Çarşamba	<a href="#">Sahin'li dönem</a>
04 Ağustos 2009, Salı	<a href="#">Riskli bir yazı</a>
02 Ağustos 2009, Pazar	<a href="#">Demokratikleşelim derken</a>
01 Ağustos 2009, Cumartesi	<a href="#">Keşke olsa ama...</a>
31 Temmuz 2009, Cuma	<a href="#">Başlangıç iyi</a>
30 Temmuz 2009, Perşembe	<a href="#">Hakkını arayan yargı</a>
29 Temmuz 2009, Çarşamba	<a href="#">HSYK zaferi</a>

Figure 4.4 Web Page Sample of “Hürriyet” author archive

The algorithm finds the URL of articles that are listed in this figure. In URL format, there is no paging logic. All articles for one author are listed in the same page. By the way, there is no need to generate another loop for finding pages.

- *Finding URL of Articles in “Vatan”*

The newspaper named as “Vatan” URL format is similar with Milliyet. Authors have an author number. These numbers are used in URL as a parameter. Also paging is done in archive web page. Every page has 15 URLs of articles. URL format of

archive is below:

[http://w10.gazetevatan.com/root.vatan?exec=yazareskiyazilar&wid=author\\_id&@=@pageNumber&kelime=](http://w10.gazetevatan.com/root.vatan?exec=yazareskiyazilar&wid=author_id&@=@pageNumber&kelime=)

As an example, URL of Mehmet Tezkan's archive is below:

<http://w10.gazetevatan.com/root.vatan?exec=yazareskiyazilar&wid=131&@@=1&kelime=>

The following figure shows an archive web page.

GAZETE VATAN.COM - Windows Internet Explorer

http://w10.gazetevatan.com/root.vatan?exec=yazareskiyazilar&wid=131&@@=1&kelime=

GAZETE VATAN.COM

8 Eylül 2009 Salı

MOBİLGAZETE VATAN.COM

XİMLRSS

TOOLBAR

FAVORİLERİME EKLE

ANASAYFAM YAP

ÜYE OL

ÜYE GİRİŞİ

PROFİL GÜNCELLEME

**VATAN**

İNTERNETİN EN HIZLI YÜKSELEN GAZETESİ

FOTO GALERİ

VIDEO

OTODİJİT

OYUNFARE

SİNEMA

ASİMDÜJ

SULMACA

YARESSANA

NE İTİBUN

MAILBOX

BLOG

**Mehmet Tezkan**

meztekan@gazetevatan.com

Yazanımızın arşivinde  [ARA](#)

Tüm Yazı Arşivi (Toplam 1030 Kayıt)

**Medyadaki işaret fişekleri.** 08.08.2009

**'Açılım'da kavga raporu.** 27.08.2009

**'İslamcı' yazarlar zorda** 28.08.2009

**Kuran 'oku' diyorsa 'okul' yıkmak günahtır!** 28.08.2009

**Kürtler başka telden çalıyor.** 24.08.2009

**Enseye buz gibi su siyasetçilere tavsiyemdir!** 25.08.2009

Sayfa 1 **İLERİ**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38  
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

Figure 4.5 Web Page Sample of “Vatan” article archive

Author numbers are between 1 and 200. Firstly program generates an URL for archive page by using author id and page number as parameters. There are two code loops in this module. First loop generates author id, and second loop generates page number. By these values an URL is generated and downloaded. In downloaded web page, URLs of articles are found. If found URL does not exist in “link\_listesi” table, an insertion is done for this URL.

- *Finding URL of Articles in “Akşam”*

URL format of the newspaper named as Akşam, is similar with Hürriyet. Authors of Akşam are listed in a web page. Current date’s day, month and year information is taken as an argument for generating this URL. Sample URL of this web page is below:

<http://www.aksam.com.tr/2009/09/07/tum-yazarlar.html>

This page contains list of authors and the URL of last articles. This page is downloaded and URL of last articles is found in this page. The following figure shows authors list of Akşam.



Türkiyenin Haber Sitesi - Son Dakika Haberleri - Güncel Haberler - Mozilla Firefox

Geçmiş Yer İmleri Araçlar Yardım

http://www.aksam.com.tr/2009/09/07/tum-yazarlar.html

Phazeddl

# AKSAM

www.aksam.com.tr

07 EYLÜL 2009 PAZARTESİ

E-GAZETE | YAZARLAR | GÜNCEL | SİYASET | EKONOMİ | MAGAZİN | SPOR | DÜNYA | R  
 Akşam Cumartesi | Akşam Pazar | Teknoloji | Astroloji | Eğitim | Promosyon | Yaşam | Sağlık |  
 Sık Kullanılanlara Ekle | Ana Sayfam Yap |

## TÜM YAZARLAR

Günün Yazarları

**İsmail Küçükkaya** (07 EYLÜL 2009 PAZARTESİ)  
**TAKTİK ŞEREF TRİBÜNÜNDEN 'Arkaya kessene Hamit!'**  
 Milli takımımızın Estonya maçını izlerken, Başbakan Recep Tayyip Erdoğan, Yargıtay Başkanı Hasan Gerçek ve Futbol Federasyonu Başkanı Mahmut Özgener'in görüntüleri sık sık ekrana yansıdı. ...

**Serdar Turgut** (07 EYLÜL 2009 PAZARTESİ)  
**Özkök ile inancı konuşmak**  
 Dün Twitter'da 'Özkök ile inanç üzerine söyleşiye hazırlanmak için fizik kitapları okuyorum' diye yazmıştım. ...

**Oray Eğin** (07 EYLÜL 2009 PAZARTESİ)  
**İslamiyet kaba dincilere bırakılmayacak kadar önemlidir**  
 Bugüne kadar, benim anladığım kadarıyla, Beyaz Türkler'le İslam arasındaki ilişki 'odadaki fil' gibi. ...

**Nagehan Alçı** (04 EYLÜL 2009 CUMA)

Figure 4.6 Web Page Sample of “Akşam” authors list

URL of last articles is downloaded. The following figure shows an last article page of author.

Beyrut... - AKŞAM - Türkiye'nin Haber Sitesi - Son Dakika Haberleri - Güncel haberler -

niş Yer İmleri Araçlar Yardım

http://www.aksam.com.tr/2009/09/07/yazar/14169/serdar\_akinan/beyrut\_beyrut\_.html

AKSAM  
WWW.AKSAM.COM.TR  
07 Eylül 2009 Pazartesi

gitti gidiyo  
SAMSUNG U900 16ML 121.00 TL

EGZİSTE | YAZILAR | SİYASET | GENEL | EKONOMİ | HAYAT | SPOR | DÜNYA | SÖYÜZ | YAZI Dİ  
Akşam Cumartesi | Akşam Pazar | Teknoloji | Astroloji | Eğitim | Promosyon | Yazar | Sağlık | Gelo Ana G  
Siz Kullanıcılarız | Ana Sayfam Yaz

Serdar Akinan

## Beyrut... Beyrut...

İnan, yıllar yıllar sonra karşına çıkan bir güzelliğe kapılmızsak çok da çabık olduğunda ilk duyduğum o nazlı gözün samane yanmak olur.

Beyrut, bende bu duyguyu yaratır.

Uzun yıllarında ödemem duvarlarını, yağlarının değil Beyrut'un fotoğrafları suşerdi.

Gazeteciliğe tutkuya bağlanmamın nedeni Çoğun Aral ve Savay Ay'ın 80'li yıllarda iç savaş sırasında Beyrut sokaklarında çektikleri fotoğraflar ve öyküleridir.

Büyük hayalim bu şehre gelip, o çabık gözleri sarı gazeteci yeleklerini giyip boynuma iki üç makine asarak, kurgun yaşımıru altında fotoğraf çekilimektir.

Bennaden tutkuya dönmem bu hayalimi dünyanın başka parçası alanlarında gerçekleştirirdim. Ama Beyrut'a hiç gitmedim.

İnsan tarafından 33 gün bombalandığında en sert yayınları SKY'da yaptım... Beyrut bombalanıyordu... Nasıl durabilişime, ediyip gidemediğime hala şaşırım. Kemat duyguyum.

Bir gece yatağımda Bekir Beyrut'a... Havalimanından Hamra'daki oteli kadar bu yarığın gelini izledim. Hayallere daldım.

Mimarlarını nasıl tasarladım?  
İvanenon pencerelerde yer yer marmı ve raketleri duruyor.  
Ruşeride uçan tüllerin ardından turuncu ve flu ışıklar alıyor. Bu çabık binaların yanı başında keremliği çabık gözün modern resimdenler inşa edilmiş. Ediliyor...

Her bir milyardere dolara satılmış ve kaskatılmış...

Dina Körfez sığınakları elin yıldı 13 gün geliyorlar...

Beyrut hakikaten çok iyice anılara alkışım izlenimi veren çabık binalarda askılı... Her pencere bir başka öyküye vasilat sunuyor... 30 yıl önce bu sokaklarda fotoğrafçılar, 50 milletler, 8000 militanları çabık gözün başlıyor... Marmı asaları yanını feruz'un kadife asasına terk edim...

Beni birkaç saat içinde nasıl inşa etti bu çabık?  
Çabık yaşama, çabık görme, çabık idrak etme ve hala tüm vakarıyla ayakta...

Bölenin anı askın ve bilgeliminde çabık... Tüm çabıkya uşun ve edebi dersler veren yarığın duvarları var bu çabık. Köşe başlarındaki kuyular hala hainleri çabık ediyor çabık. Ama Önemli yok... Hınzıyan tarafına çabık...

Modernitenin tüm imajı ve markaları, 'trendy' dekorasyona sahip barlar, cafeler, restoranlar, gece kulüpleri... Başlıyorum...

Herkes için bir şey var bu çabık... Ne arsa ederizmiş.  
En mühim 'bildik' olarak yok. Yeni devlet yok zalimde burada.  
'Peşartu'n para... Her gece ve herkes...

Yerin asbaki altın olabilir bir çabık kulcaz inşa oluyor burada. Beyrut'ta... Huzurlu bir maddiye kulak vermeyen köşeden, lükslikle ama kimbarda yaratmadan, İnan feliyer. Behide son derece çabık gözler içinde geçen dilberlerin yanında çabık kadınlar yürüyor. Manzarının görece absürdüğüne çabıklikle bakan tek asama.

Güç ve güzelliği de içinde; burada askılı... Görülebilen yerlerini göstermeye... Anlamaya çabıkla hikayelerini anlatmaya hazır çabık bir bilgi Beyrut...

Anlatacak o kadar çabık vaat ediyor ki durup, bir an, bu çabıkta yavaşlamalı... Bir köşeye çabıkça çabık ve çabık çabık...

Bunun dala çabık yaşadım bu çabık...

Bir iki Önemli not... THY her gün iki kez uçuyor Beyrut'a ve vize yok.  
Otelier olduğunç uşun... Türk olmak büyük avanta)... Müddiç çabıkleri var bise... Buna mukabil

Paylaş | Google | Uyu | Facebook | Twitter | Diqq |

### Önceki Yazıları

- Beyrut... Beyrut... - 2009-09-04
- Uzakteki yakın Benim - 2009-09-03
- Tasavvufu yaşamak - 2009-08-31
- 19 şikâmette ne oldu? - 2009-08-28
- Şiirimde son perde - 2009-08-25
- Ağlının önüne aşmak - 2009-08-24
- İki uçurumda - 2009-08-19
- Türkiye'ye çabık dilçem - 2009-08-17
- Çabıkça çabık... Çabık kim? - 2009-08-13
- Çabıkça çabık... Çabık kim? - 2009-08-10
- Tüm Yılların İçin Yıkılın ...

Figure 4.7 Web Page Sample of “Akşam” Authors’s Last Article

This page contains a link that points archive of articles. This link is found and downloaded. So archive web page of author is attained. All articles are listed in this web page. The following figure shows a sample of this list.

AKŞAM - Türkiye'nin Haber Sitesi - Son Dakika Haberleri - Güncel Haberler - Mozilla Firefox

egmiş Yer İmleri Araçlar Yardım

http://www.aksam.com.tr/2009/09/07/serdar\_akinan/39/tum\_yazilari.html

Phazeddl

www.aksam.com.tr


07 EYLÜL 2009 PAZARTESİ

E-GAZETE | YAZARLAR | SİYASET | GÜNCEL | EKONOMİ | MAGAZİN | SPOR | DÜNYA | RÖPORTAJ | YAZARLAR

Akşam Cumartesi | Akşam Pazar | Teknoloji | Astroloji | Eğitim | Promosyon | Yaşam | Sağlık | Garip Anılar

Sık Kullanılanlara Ekle | Ana Sayfam Yap

## Serdar Akinan



▶ 04 EYLÜL 2009, CUMA	Beyrut... Beyrut...
▶ 02 EYLÜL 2009, ÇARŞAMBA	Uzaktaki yakın barış
▶ 31 AĞUSTOS 2009, PAZARTESİ	Tasavvufu yaşamak
▶ 28 AĞUSTOS 2009, CUMA	İş ahlakımıza ne oldu?
▶ 26 AĞUSTOS 2009, ÇARŞAMBA	S.çilimda son perde
▶ 24 AĞUSTOS 2009, PAZARTESİ	Açılımın önünü açmak
▶ 19 AĞUSTOS 2009, ÇARŞAMBA	İki uç arasında
▶ 17 AĞUSTOS 2009, PAZARTESİ	Türkiye özür dilesin
▶ 12 AĞUSTOS 2009, ÇARŞAMBA	Şivan Perwer'le yüreği titreyen kim?
▶ 10 AĞUSTOS 2009, PAZARTESİ	Gökçeada unutulmasın
▶ 07 AĞUSTOS 2009, CUMA	Öcalan Mandela olur mu?
▶ 05 AĞUSTOS 2009, ÇARŞAMBA	Sessiz devrim
▶ 03 AĞUSTOS 2009, PAZARTESİ	Kör uçuşu
▶ 31 TEMMUZ 2009, CUMA	Kılavuz Öcalan taşeron Erdoğan
▶ 29 TEMMUZ 2009, ÇARŞAMBA	Ayasofya daima
▶ 24 TEMMUZ 2009, CUMA	Söz ola
▶ 22 TEMMUZ 2009, ÇARŞAMBA	Gıda A.Ş.
▶ 17 TEMMUZ 2009, CUMA	Anıtkabir neden yıkılmalı?
▶ 15 TEMMUZ 2009, ÇARŞAMBA	Cüppeli Hoca Nimet Çubukçu'ya neden karşı ve haklı?
▶ 13 TEMMUZ 2009, PAZARTESİ	Ayşe Arman ve katarsis
▶ 10 TEMMUZ 2009, CUMA	Doğu Türkistan nerenize düşer?
▶ 08 TEMMUZ 2009, ÇARŞAMBA	Ne kalır?
▶ 06 TEMMUZ 2009, PAZARTESİ	Utanc Vesikası
▶ 03 TEMMUZ 2009, CUMA	Bono, feza ve ötesi
▶ 01 TEMMUZ 2009, ÇARŞAMBA	MGK'da ne oldu? Yarın ne olacak?
▶ 26 HAZİRAN 2009, CUMA	İtiraf ediyorum
▶ 19 HAZİRAN 2009, CUMA	Kağıt parçası mı? Belge mi?
▶ 17 HAZİRAN 2009, ÇARŞAMBA	Çakal Carlos'tan selam var
▶ 15 HAZİRAN 2009, PAZARTESİ	Cemaat'te 'Gizli bir yapılanma' mı var?
▶ 12 HAZİRAN 2009, CUMA	Tüccar doktor
▶ 10 HAZİRAN 2009, ÇARŞAMBA	Aşkırma...
▶ 08 HAZİRAN 2009, PAZARTESİ	Dönülmez akşamın ufku
▶ 05 HAZİRAN 2009, CUMA	Cinnet Bakanlığı
▶ 03 HAZİRAN 2009, ÇARŞAMBA	Nokta
▶ 01 HAZİRAN 2009, PAZARTESİ	Darin

Figure 4.8 Web Page Sample of “Akşam” Article Archive

URLs of articles are found. If this URL does not exist in “link\_listesi” table, an insertion is done for this URL of article.

- *Finding URL of Articles in “Radikal”*

URL format of the newspaper named as Radikal, is similar with Hürriyet and

Akşam. Authors of Radikal are listed in a web page. This URL takes the current date as a parameter. The URL of this page is below:

<http://www.radikal.com.tr/Radikal.aspx?aType=RadikalYazarlar&AuthorCatID=0&Date=16.09.2009>

Following figure shows a sample of this page:

The screenshot shows a web browser window displaying the Radikal website. The address bar shows the URL: <http://www.radikal.com.tr/Radikal.aspx?aType=RadikalYazarlar&AuthorCatID=0&Date=16.09.2009>. The page has a navigation menu with tabs for 'ANA SAYFA', 'Türkiye', 'Politika', 'Yaşam', 'Ekonomi', 'Dünya', 'Kültür', 'Tartış-Yorum', 'Spor', 'Çevre', 'Sanat', 'Alem', 'Sinema', and 'Galeri'. Below the navigation is a search bar and a 'YAZAR ARŞİV' dropdown menu. The main content area displays a grid of author profiles, each with a small portrait, the author's name, a link to their latest article, and the date of publication. The authors listed are:

- NUR ÇİNTAY A.**: Hanımın Çiftliğinde... (Yaşam, 16/09/2009)
- ERKAN GULOĞLU**: YAKINDAN KUMANDAN... (Yaşam, 15/09/2009)
- AYÇA ŞEN**: Prosedür korkusu... (Yaşam, 15/09/2009)
- ERSİN TOKGÖZ**: Çamura batan insanın... (Yaşam, 14/09/2009)
- TÜRKER ALKAN**: "Kürt açılımı" deste... (Politika, 16/09/2009)
- AKİF BEKİ**: Fitnenin adını koyal... (Politika, 16/09/2009)
- İSMET BERKAN**: Açılımın neresind... (Politika, 16/09/2009)
- ORAL ÇALIŞLAR**: Kürt sorunu bir ağa... (Politika, 16/09/2009)
- CENGİZ ÇANDAR**: Allah'ın var mı... (Politika, 16/09/2009)
- HAKKI DEVRİM**: Eodas'ın internet... (Politika, 16/09/2009)
- TARHAN ERDEM**: Kollamak ve korumak... (Politika, 14/09/2009)
- HASAN CELAL GÜZEL**: Apk'ye jürekli bir yaz... (Politika, 15/09/2009)
- MEHMET ALİ KIŞLALI**: Bizimki başka... (Politika, 16/09/2009)
- JOOST LAGENDIJK**: Diaspora Türkleri a... (Politika, 16/09/2009)
- NURAY MERT**: Hızlı bir Ortadoğu t... (Politika, 15/09/2009)

Figure 4.9 Web Page Sample of "Vatan" author list

This page is downloaded. This page contains URL of authors' last articles. These URLs are found by using string operations in HTML. The following figure shows a sample of last article.

http://www.radikal.com.tr/Default.aspx?aType=RadikalYazarYazisi&ArticleID=954648&Yazar=NUR%20%C7%DDNTAY%20A.&Date=16.09.2009

**Radikal**  
16 Eylül 2009, Çarşamba  
Son Güncelleme 17:40

1.ye NC10 Netbook  
2.ye S3 MP4 Player  
3.ye WEP 850 Bluetooth kulaklık

BUGÜNKÜ RADİKAL Yazarlar Yaşam Türkiye Politika Yorum Dış Haberler Ekonomi Spor Dizi Sanal Alem Kültür Sanat

başlık, haber metni gibi bilgiler ile     ARŞİV

ArakiBulaki HangisineGitssek RezaAge

BUGÜNKÜ RADİKAL > Yaşam > Yazarlar > NUR ÇİNTAY A.

## 'Hanımın Çiftliği'ndekiler bizde olmaz, tabii, tabii...

Adana merkezli olmak üzere, ortaokul kız öğrenci, Meğer bizim örtüye adelerimize yokmuş bunlar. Tek göz odası kızlar pazarlanmaz, hizmetçisi beynin koyununa girmezmiş. Kötü örnek oluyor, bu güzde ilimiz de yanlış tanıtılıyormuş.

"Fistik" dersiniz Antep ayaklarıdır, "kayısı" dersiniz Malatya ayaklarıdır, bu yerli hassasiyetlere aşınayız. Ama "Bizde haşa olmaz böyle şeyler" dersiniz, orada bir durmak lazım. Adana da Türkiye ruoutarı içine değil miydi, paron ama bizde olur böyle şeyler. Dalma oldu, hepimiz de bal gibi biliyoruz. Sadece dizilerde olmazdı, tek fark artık onların da normalleşmesi.

Bizde kibar sentlerde uygunsuz olan bir surü şey, o kadar da kibar olmayan sentlerde kılıfına maharetle uydurulur.

Ailecek tek göz odasında yatılır, o tek göz odasında kızlar üstünden ne hesaplar, ne satıyorlar, ne taociler döner. Her tür sözlü-fiziksel ilişki-kavgı, üç öğün yemekten de beş vakit namazdan da sıktır. Kızların daha şansızlarının başına çok daha vahimleri gelir.

Muzaffer Bey'le bilimsel hizmetçi Gülzar arasındaki kesse şahnesine takılmı şılar bir de en çok. Belli ki epeyce bir hukukları, evliliyatları var. Muzaffer Bey, sırtını, omuzlarını keşeleleyen Gülzari "Gel bakalım sen buraya" diye alıveriyor köpüğü kucagına. Halbuki hiçbir zengin evinde, konağında, yalısında gerçekleşmemiş, tarihimize görülmemiş bir sahne bu. Beyle hizmetçi arasında mülki makamsı, siz ne diyorsunuz, töbe töbe, ne ilginç bir tanrıyütlü Hey Allah'ım, dizilerin normalleşmesi bile ne kadar sancılı oluyor!

**'Soysuzlar Çetes': 'Tarih de deforme edilmez kıymığı'**

11. Uluslararası İstanbul Bienali'nin ana mekânı diyebileceğimiz Tophane'deki Antrepo No.3'ün girişinde "Don't Complain" yani "Şikâyet Etme" yazan bir neon tabelayla karşılaşıyorsunuz. En yetenekli çağdaş Türk sanatçılarından 2007'de kaybettığımız Hüseyin Akpek'in işi bu. Daha önce, 2007'deki Venedik Bienali'nde de göstermişti.

Bienali birlikte geçirdiğimiz E.A., "Hah bak bunun fotoğrafını çekip buzdolabının üstüne yapıp ki gözünün önünde olsun hegr" dedi, "O zaman bu kadar çok şikâyet etmezsin."

Şimdi "Ben şikâyet etme asiri" desem, "Eşek/Sensin eşek!" gibi olacak. Fakat ouratadım bir. Bana da sorsalar keskinleş onun uzmanlık alanına giren bir eylem.

Sonra bienali katıppığını kariştırrirken şöyle yazdığını gördüm: "Şikâyet Etme hiyerarşik bir durum ima eden bir emir komisesidir, ama sanatının dediği gibi, birine şikâyet etmemesini söylemek de özünde bir tür şikâettir. aynı zamanda."

**NUR ÇİNTAY A.**  
Yaşam  
16/09/2009  
nur.cintay@radikal.com.tr

Yazdır  
Arkadağına Gönder  
Yorum Yaz  
Arşive Ekle

Haberle Paylaş  
Facebook  
Google  
Mixx  
Digg  
Delicious  
Yahoo  
Stumble Upon  
Reddit  
Twitter  
myspace  
Friend Feed

**NUR ÇİNTAY A. - Arşiv**

+ 'Çiftliğin hanımı'  
"Bak, Cezgi Namlı yapı lacaksa ben yapmam!" Son birkaç hafta içine bunu birkaç kişiye birkaç kere duydum!  
14.09.2009

+ Seline yuttuğu bir vakifatan ses  
Bugünkü okuduğu bir vakta devrediyorum. İnsanın aşağıdaki satırları okuyup da hayata hiçbir şey olmamış gibi devam etmesi zor:  
13.09.2009

+ Ağamama Deresi, sıradı köprüüstü  
Kaç yıl olmuş... Bizim gazetedeki "Ağamama Deresi 14 yıldık hiç değişmemiş" haberi vardı dün, şahsi tarihimde ki-üç sene daha geriyeye görebilirim.  
11.09.2009

+ Can vereni can alınca: Sudan örnek  
Biz bir şey anlamadan yazmış diye, haka karardı da içimiz kabardı diye, işe gelirken trafik sağdı diye hayranlanım, İNSANLAR ÖLMÜŞ.  
09.09.2009

+ 'Hanımın Çiftliği' ve seçimler  
Cuma günü en ilginç gazete sayfaları bir 'cover'a aldı.

Figure 4.10 Web Page Sample of "Vatan" author last article

This page contains a link that points archive of author. ArchiveThe following figure shows a sample of archive page.

http://www.radikal.com.tr/Default.aspx?aType=DetayliAramaSonuc/2&ItemsPerPage=10&PAGE=1&CategoryTypeID=-1&

ANA SAYFA Türkiye Politika Gayet.net'ten **fırsatı sonbahar** BU FIRI YAP AS BASKA BIRA

Yaşam Ekonomi Dünya Kültür Tartışa-Yorum Spor Çevre Sanal Alem Sinema Galeri

**NUR ÇİNTAY A. arşivinde** 1339 YAZI BULUNDU

sıralama Tarihe Göre ▲\* Kategoriye Göre ▲\* Başlığa Göre ▲\*

**'Hammmın Çiftliği'ndekiler bizde olmaz, tabii, tabii...**  
16.9.2009  
Adana merkezli olmak üzere, ortalık kızışmış. Meğer bizim örf ve adetlerimizde yokmuş bunlar. Tek göz odada kızlar pazarlanmaz, hizmetçisi beyinin koynuna girmezmiş. Kötü örnek olunuyor, bu güzide ilimiz de yanlış tanıtılıyormuş.  
NUR ÇİNTAY A.

**'Çiftliğin hanımı'**  
14.9.2009  
'Bak, Özgü Namal yapılacaksa ben yapmam!' Son birkaç hafta içinde bunu birkaç kişiden birkaç kere duydum!  
NUR ÇİNTAY A.

**Hülya Avşar ve Kürt meselesi: Yine ve nihayet!**  
26.8.2009  
'Babası Kürt değil miydi?', "Evet yaa, hem de bayağı bir aşiretti baba tarafı", "Ne peki şimdi bu ettiği laf; akılsız mı, cahil mi?", "Yok akılsız değil de, şuursuz işte biraz"..."  
NUR ÇİNTAY A.

**Yaz magazini (1)**  
23.8.2009  
Akşamları kolların ürpermeve başladı mı bitti sav. Bitti. Bir vaz daha. At centiği. Kürt açılımını ve başka ciddi/sivasi konuları avrı tutarsak. tarihe Avşe Arman'ın sovunup örtündüğü...  
NUR ÇİNTAY A.

1 2 3 4 5 6 7 8 9 10 Sonraki Sayfa

Figure 4.11 Web Page Sample of “Vatan” author archive

These pages contain authors' archives. The URLs of articles are found by using string operations on HTML. Every page contains 10 articles. Archive pages take page number as parameter. When all URLs of articles are found and inserted to the database, page number parameter increased and next archive page is downloaded. These operations are done until all URLs are found.

#### 4.3.2 Download Article Module

This module downloads the newspapers' article. Program firstly calls a query that returns the links that are found in “link\_listesi” table and is not downloaded before.

As mentioned “Finding Articles’ Web Page Links”, this module has to be written according to web page formats. All newspapers formats are different from each other too. The most inconvenient part of this module, format difference is encountered not either different newspapers, but also the same newspapers’ web pages. For example “Vatan”, is using different web page formats for written before 21.07.2008, and after 21.07.2008. Difference of web page formats are so obvious and very different algorithm and coding has to be done.

Most challenging thing of this project, newspapers change their web page formats frequently, and revision is necessary to download newly written articles. This format changing problem tried to be handled by using some methods and technologies but the impossibility of handling is seen because of variety of changing possibility and web page format flexibility. This issue is going to be explained in rest of report elaborate.

This module down loads the article for 5 newspapers and also save them to database and also to folders. The folder formats are decided to indicate name of newspaper, written year, and written month. For example “G:\NLP\Milliyet\2008\09”. And article document names are indicates author full names, written date and link id that means primary key of “link\_list” table. For example “Oktay EKŞİ\_2009.2.1\_157.txt” is an article file name that is stored in disk.

This module is the main part of test project. Designed infra structure of corpus is filled in this module and articles are downloaded to compose a large amount of formal written texts data for other NLP applications as testing material.

By this time 195256 articles are downloaded from 5 different newspapers. Detailed explanation and statistical reports are going to be given in rest of report.

- *Download Articles in “Milliyet”*

This module downloads Milliyet newspaper’s article. Article web page links are

found in link finding module of project. Firstly article link that are not downloaded before are listed by a query. The following figure shows a sample of an article web page.

The screenshot shows the Milliyet.com.tr website in Internet Explorer. The browser address bar displays the URL: <http://www.milliyet.com.tr/Yazar.aspx?aType=YazarDetay&ArticleID=1136727&AuthorID=59&Date=08.09.2009&ver=42>. The page title is "Milliyet - Aydınli çocuk! / Güncel / Melih Aşık / Açık Pencere - Windows Internet Explorer". The website header includes the Milliyet logo and navigation links such as "ANA SAYFA", "SON DAKİKA", "BUGÜNKÜ MİLLİYET", "YAZARLAR", "SİYASET", "EKONOMİ", "FİNANS", "DÜNYA", "SPOR", "GÜNCEL", "YAŞAM", "MAGAZİN", "ASTROLOJİ", "HAVA DURUMU", "ÇİZERLER", "EĞİTİM", "CUMHURİYET", "PAZAR", "CAMPUS", "KÜLTÜR SANAT", "SİNEMA", "TV REHBERİ", "SAĞLIK", "TEKNOLOJİ", "EĞİTİM", "OTOMOBİL", "BEBEK ÇOCUK", "MİZAH", "OYUN", "MILLİYET.YAZARLAR", "ARABAM", "EMİAK", "HANGİSİNE GİŞEK", "İNSAN KAYNAKARI", "KOBİ". The article title is "Aydınlı çocuk!" by Melih Aşık, dated 8 Eylül 2009. The article text discusses the trial of M.S.Ö'nün and the role of lawyer Kemal Aytaç. The page also features a sidebar with "GÜNCEL YAZARLARI" and "DİĞER YAZARLAR" sections.

Figure 4.12 Web Page Sample of “Milliyet” Article

Article web page is downloaded. Author name, article’s written date, caption of article and the article’s text are refined by string operations. Data of article is inserted in “dokuman” and “gazette” table. Article text is written in a file. File path is generated according to path format.



- Download Articles in “Hürriyet”

This module downloads Hürriyet newspaper’s article. Article web page links are found in link finding module of project. Firstly article link that are not downloaded before are listed by a query. The following figure shows a sample of an article web page.

The screenshot shows a Windows Internet Explorer browser window displaying an article from the Hürriyet newspaper. The browser's address bar shows the URL: <http://www.hurriyet.com.tr/yazarlar/12432307.asp?yazarid=1&gid=61>. The page title is "Katlanacaksınız - Oktay EKŞİ - Hürriyet". The article is dated 09 Eylül 2009 and is written by Oktay EKŞİ. The main headline of the article is "Katlanacaksınız". The article text discusses the judicial reform process, mentioning the Constitutional Court and the role of the President. The article text includes the following paragraphs:

**İSTESENİZ** bu kadar denk düşmezdi. Nitelikim "Yandaş yargıyı değil, tam bağımsız ve tarafsız yargıyı oluşturmak için uğraş vermeliyiz" diyen Yargıtay Başkanı ile "Yargı reformu stratejisi"ni açıklayan Adalet Bakanı ve "Reformların kararlılıkla hayata geçirilmesinin" önemini vurgulayan Cumhurbaşkanı'nın görüşleri aynı tarihte kamuoyuna yansıdı.

Hani "Maksat bir ama rivayet muhtelif" diye bir söz vardır ya... Bu defa aksi oldu. Rivayet (sözler) bir ama galiba maksat farklı:

**Yargıtay Birinci Başkanı Hasan Gerçekler** dün yeni Adli Yılı açmak amacıyla yaptığı konuşmada **Adalet Bakanı Sadullah Ergin**'in "Yargı Reformu" stratejisiyle ilgili taslağı yerdən yere vurdu.

Haklıydı.

Çünkü, hem **Avrupa Birliği** standartlarına göre yargıda reform yapmaktan söz eder hem de **Avrupa Birliği** adına yapılan tavsiyelere taban tabana zıt önerilerle ortaya çıkarsanız, elsağınız tepki bu olur. Örneğin:

"**Hâkimler ve Savcılar Yüksek Kurulu**'na **Adalet Bakanı**'nın ve **Bakanlık Müsteşarı**'nın katılımı doğru değildir. Reformun amacı yargı bağımsızlığını güçlendirmek (aslında gerçekleştirmek demeleri lazım ama nezaketen böyle söylüyorlar) olmalıdır" diyenlerin önüne siz, "**O kurulda Adalet Bakanı da olacak, Müsteşar da...**" formülüyle çıkarsanız, üstelik "yargı"nın işine "yürütme"yi ve "yasama"yı da sokarsanız Yargıtay Başkanı size "**Allah razı olsun**" mu diyecektir?

Figure 4.13 Web Page Sample of “Hürriyet” Article

Article web page is downloaded. Author name, article's written date, caption of article and the article's text are refined by string operations. Data of article is inserted in "dokuman" and "gazette" table. Article text is written in a file. File path is generated according to path format.

- *Download Articles in "Vatan"*

This module downloads Vatan newspaper's article. Article web page links are found in link finding module of project. Firstly article link that are not downloaded before are listed by a query. The following figure shows a sample of an article web page.

http://haber.gazetevatan.com/haberdetay.asp?tarih=11.11.2007&Newsid=258117&Categoryid=4&wid=5 - Wi

http://haber.gazetevatan.com/haberdetay.asp?tarih=11.11.2007&Newsid=258117&Categoryid=4&wid=5

Search New - Gold Rush-Treasure Hunt Join Club iWin! Sale

http://haber.gazetevatan.com/haberdetay.asp?tarih=...

Diğer Yazarlar

## Zülfü Livaneli

Yazara ulaşmak için : zlivaneli@gazetevatan.com

### 12 Eylül'ün attığı taş

On beş yıl çırpındım.

"Türkiye üç kutba ayrılıyor, bu işin sonu kötü, aman dikkat!" demeye çalıştım.

Ben ne Türkiye'nin en zeki adamıyım, ne bilim insanıyım, ne de böyle iddialarım var.

Ancak beni hiçbir zaman yanılmamış olan sezgilerime ve gözlemlerime dayanarak bir yurttaş sıfatıyla bunu ileri sürüyordum.

Hatta bu tehlikeyi daha iyi anlatabilmek için "Türkiye'nin çevresine üç dev mıknatıs yerleştirilmiş gibi" diyordum. "Siz fark etmiyorsunuz ama bunlardan birisinin çekim alanına kapılıyorsunuz."

Ne yazık ki öyle oldu.

Türkiye, dün birçok kişinin reddettiği ama bugün kabul etmek zorunda kaldığı gibi, üç kutba bölündü.

İslamcılık, Kürtçülük ve milliyetçilik aldı başını gidiyor.

Eskiden merkez sağ ya da merkez solda omuz omuza mücadele eden arkadaşlar bambaşka kutuplara doğru çekildiler. Dostluklar, yoldaşlıklar, omuzdaşlıklar bozuldu.

Çünkü kartlar yeniden dağıtılıyor.

\*\*\*

Aslında her şey 1980 darbesiyle başladı.

Siyasi yapımızı mahveden ve merkez partileri kapatan 12 Eylül rejimi, etnik ve inanç yönünde siyasetin kapılarını araladı.

Çözüm 12 Eylül tahribatını gidererek, merkez partilerini tekrar ayağa kaldırmaktır.

Figure 4.14 Web Page Sample of "Vatan" Article

Article web page is downloaded. Author name, article's written date, caption of article and the article's text are refined by string operations. Data of article is inserted in "dokuman" and "gazette" table. Article text is written in a file. File path is generated according to path format.

- *Download Articles in "Akşam"*

This module downloads Akşam newspaper's article. Article web page links are found in link finding module of project. Firstly article link that are not downloaded

before are listed by a query. The following figure shows a sample of an article web page.



Figure 4.15 Web Page Sample of “Akşam” Article

Article web page is downloaded. Author name, article’s written date, caption of article and the article’s text are refined by string operations. Data of article is inserted in “dokuman” and “gazette” table. Article text is written in a file. File path is generated according to path format.

- Download Articles in “Radikal”

This module downloads Radikal newspaper’s article. Article web page links are found in link finding module of project. Firstly article link that are not downloaded before are listed by a query. The following figure shows a sample of an article web page.

The screenshot shows the Radikal newspaper website. The main article is titled "Hanımın Çiftliği'ndekiler bizde olmaz, tabii, tabii...". The author is NUR ÇİNTAY A., dated 16/09/2009. The article text discusses the author's experience with a woman who claims to be a former prostitute and her subsequent life. The page also features a sidebar with a photo of the author, a list of social media links, and a section titled "Haber Paylaş" with various sharing options. At the bottom, there is a "NUR ÇİNTAY A. - Arşiv" section with a "TÜMÜ" button.

Figure 4.16 Web Page Sample of “Akşam” Article

Article web page is downloaded. Author name, article’s written date, caption of article and the article’s text are refined by string operations. Data of article is inserted in “dokuman” and “gazette” table. Article text is written in a file. File path is generated according to path format.

## CHAPTER FIVE

### USAGE OF THE TOOL “CORPUS DOCUMENT DOWNLOAD MANAGER”

#### 5.1 Reports

There are three different reports named as “Top Authors List”, “Top Resources List”, and “Resources According to Time” in this project.

##### 5.1.1 Top Authors Report

Authors are listed in three different types, number of articles, size of articles and number of words. In these three types of reports, the authors are listed according to selected data in descending order. The report has 5 columns that are “Author name”, “resource name”, “number of articles”, “article size”, and “number of words”. In development background, report calls "TopAuthors" view and sorts according to choice. A sample of this report is given in the following figure.

18.08.2009

#### YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
YALÇIN BAYER	Hürriyet	4.663	29.898.913	3.871.906
DOĞAN HIZLAN	Hürriyet	4.092	12.221.664	1.564.451
ERTUĞRUL ÖZKÖK	Hürriyet	3.563	13.082.457	1.770.391
OKTAY EKŞİ	Hürriyet	3.482	9.663.704	1.274.611
BEKİR COŞKUN	Hürriyet	3.371	6.144.931	801.544
HADI ULUENGİN	Hürriyet	2.571	9.739.936	1.310.789
İSMET BERKAN	Radikal	2.527	8.777.193	1.140.483
BULENT DUZGİT	Hürriyet	2.426	32.332	15.590
MURAT YETKİN	Radikal	2.419	10.340.859	1.297.521
TURKER ALKAN	Radikal	2.409	7.185.161	918.930
HAKKI DEVRİM	Radikal	2.314	11.253.416	1.430.856
GÜNGÖR URAS	Milliyet	2.228	7.219.337	937.036

Figure 5.1 Top Author Report

##### 5.1.2 Top Resources Report

Top resources report lists resources according to three different types, “number of articles”, “article size”, and “number of words”. In these three types of reports, the resources are listed according to selected data in descending order. The report has 4 columns: Resource name, number of articles, article size, and number of words. In development background report calls "TopRecources" view and sorts according to

user choice. Also this report includes three different graphs that visualize listed data. A sample of this report is given in the following figure.

18.08.2009

## KAYNAKLARA GÖRE SIRALI LİSTE

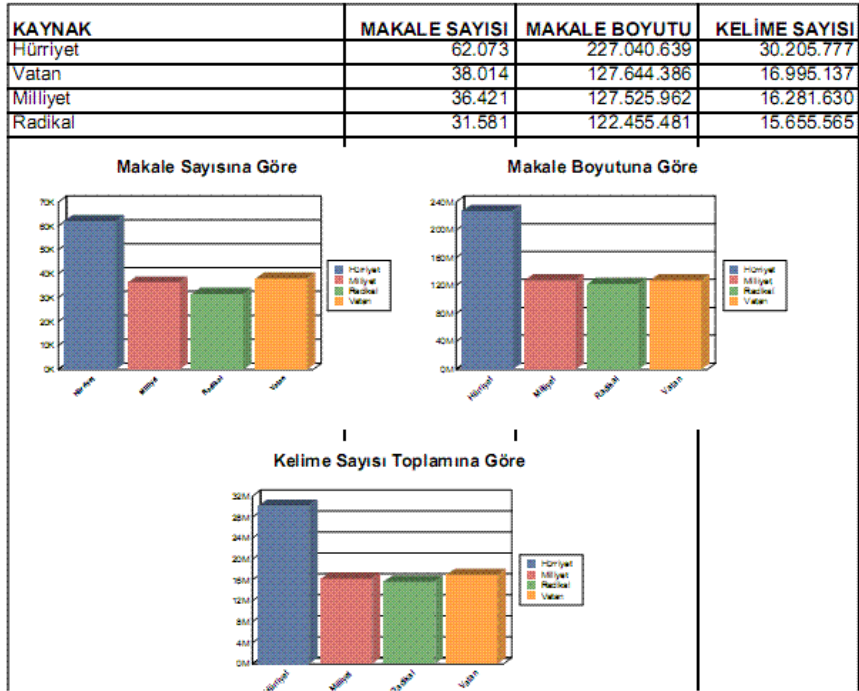


Figure 5.2 Top Resources Report

### 5.1.3 Timeline Report

This report lists number of articles, article size, and number of words of resources that are grouped by time. Group time scale can be Year or Year/Month. Timeline report with year group has 5 columns that are year, resource name, number of articles, article size, and number of words. In development background report calls "DocYear" view. At the end of report the numbers are visualizes as a graph. The following figure shows a sample of this report.

18.08.2009

**YILLARA GÖRE MAKALE SAYILARI**

YIL	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2009	Milliyet	235	852.821	112.476
2009	Hürriyet	3.343	12.665.989	1.680.821
2009	Radikal	865	3.672.169	476.046
2009	Vatan	519	1.711.753	227.006
		<b>4.962</b>	<b>18.902.732</b>	<b>2.496.349</b>
2008	Hürriyet	9.223	34.184.118	4.563.284
2008	Radikal	5.246	21.570.262	2.779.085
2008	Vatan	6.715	23.006.956	3.088.450
2008	Milliyet	8.705	31.105.684	4.078.454

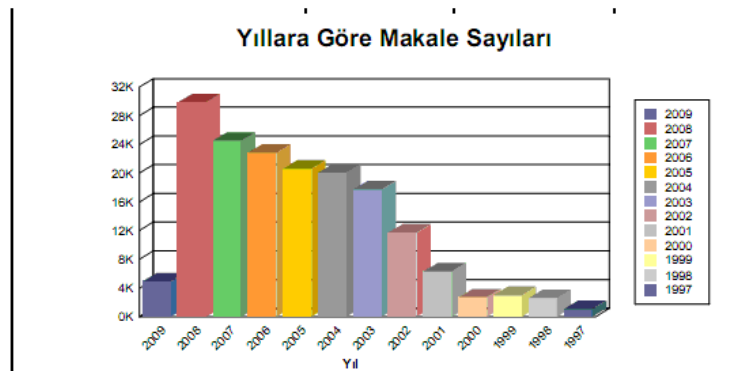


Figure 5.3 Timeline Report

Timeline report with year/month group has 5 columns: Year/month, resource name, number of articles, article size, and number of words. In development background report calls "DocYear" view. At the end of report the numbers are visualizes as a graph.

## 5.2 User Manual

As on the main window of the application is shown below, user interface of application is Turkish. Application has two main parts; on the top user menu and on the centre tab block of the resources. On the menu section, user can change database connection settings, get reports, and open help.



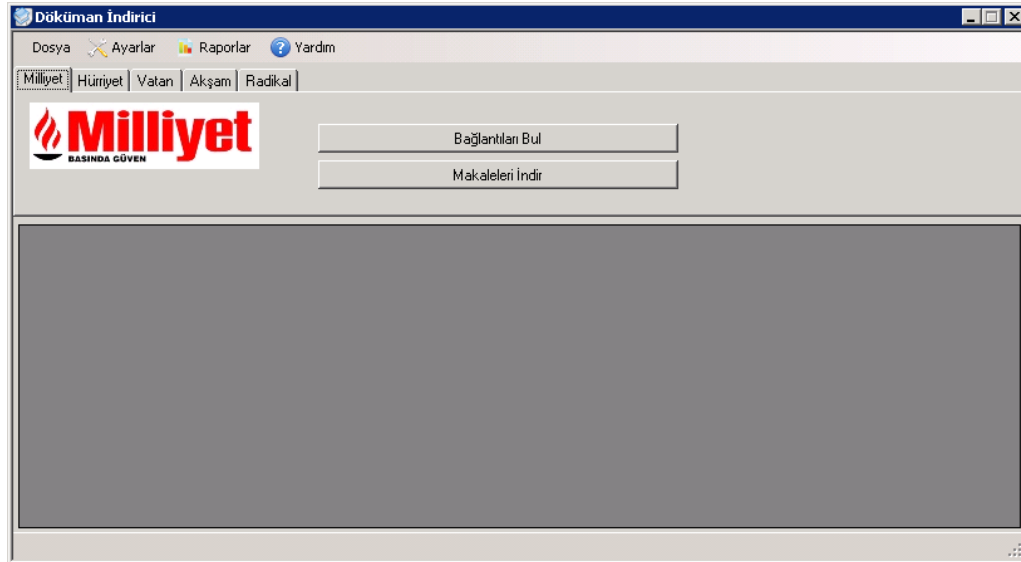


Figure 5.4 Main window of the application.

For changing database connection settings, user clicks settings menu button. Then the window on below is shown.



Figure 5.5 Database connection settings window

In this settings window user can change data source, username, password, and catalog values. On help menu user can open “How I do” user manual and “About” information of the application.

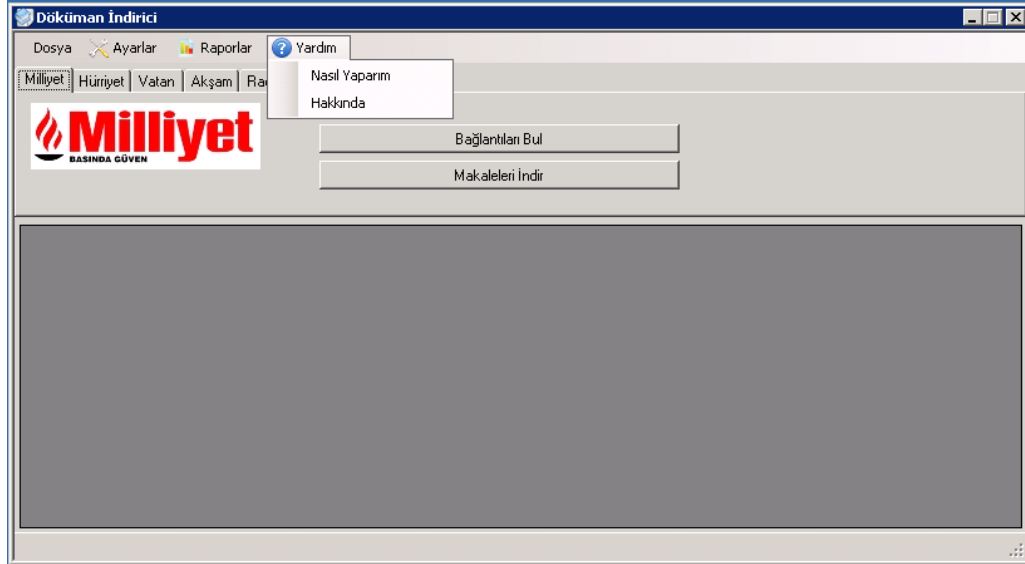


Figure 5.6 Help menu of application

General usage of the application is so simple. User selects the tab section which resource the user wants to download. Then the user clicks on the find links button. Finding links operation has a long run time. User should be patient on this operation.

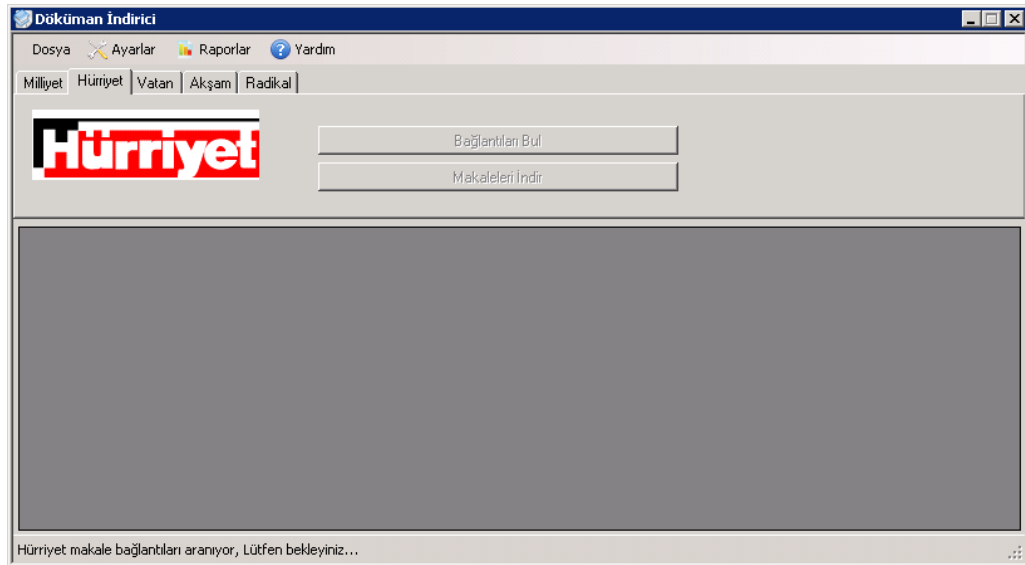


Figure 5.7 When user press one button all buttons become disabled until operation is completed.

When the link finding operation ends, the links are listed on a grid table. Also the article number is given on the status bar of the application.

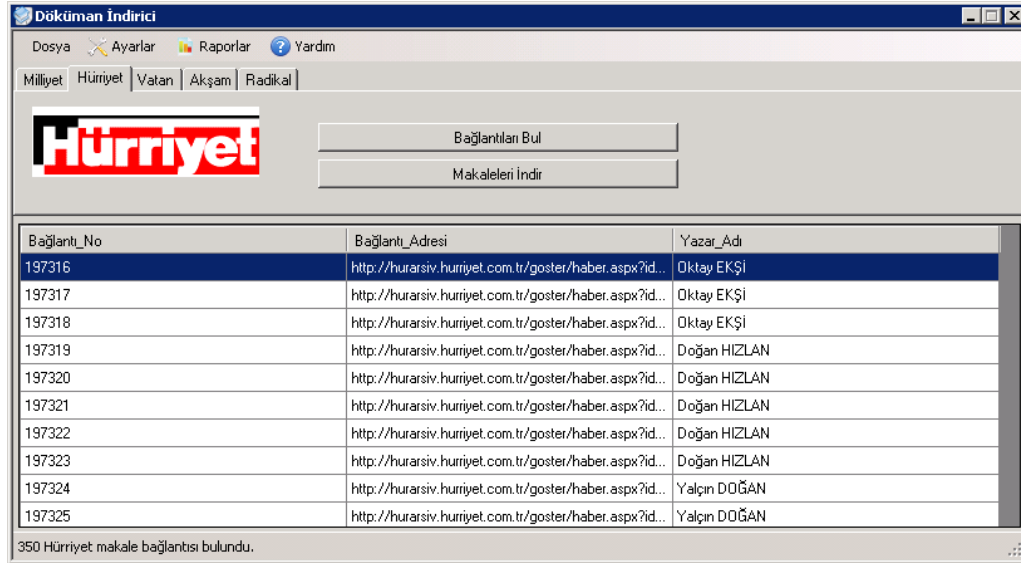


Figure 5.8 Result of link finding operations.

Second step of the download process is downloading articles that the links are listed. User clicks on the button download articles and the download operation is started by the user.

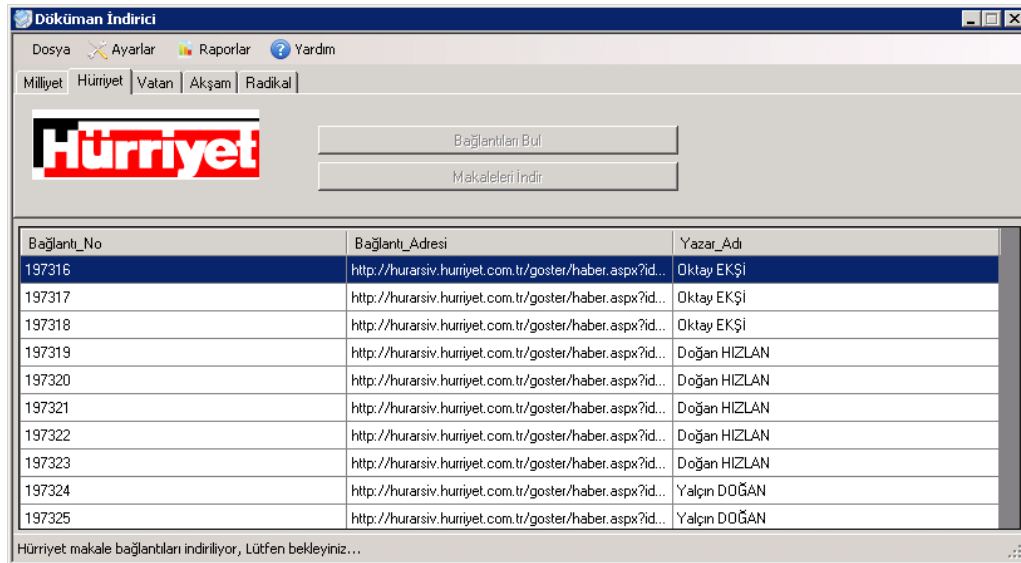


Figure 5.9 Screen status while downloading article.

At the end of the second step of the download operation the downloaded article number is written on the status bar.

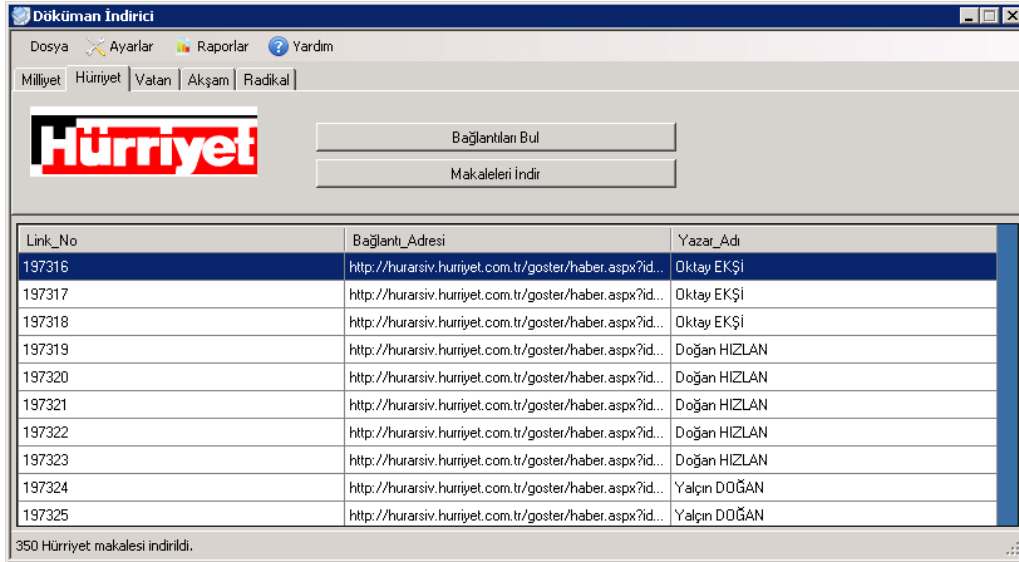


Figure 5.10 Screen status when download operation completed.

Reporting operations of the application is done by clicking on one of the reports on the reports menu then the report is shown as shown below.

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
YALÇIN BAYER	Hürriyet	4,727	30,192,055	3,910,027
DOĞAN HIZLAN	Hürriyet	4,129	12,333,154	1,578,810
ERTUĞRUL ÖZKÖK	Hürriyet	3,584	13,161,111	1,781,081
OKTAY EKŞİ	Hürriyet	3,509	9,741,346	1,284,847
BEKİR COŞKUN	Hürriyet	3,371	6,144,931	801,544
HADI ULUENGİN	Hürriyet	2,685	10,149,268	1,365,122
BULENT DUZGİT	Hürriyet	2,575	33,077	16,186
İSMET BERKAN	Radikal	2,528	8,781,049	1,140,986
GÜNGÖR URAS	Milliyet	2,445	7,956,313	1,034,052
MURAT YETKİN	Radikal	2,420	10,345,158	1,298,052
TURKER ALKAN	Radikal	2,410	7,187,892	919,287
GÜNGÖR MENGİ	Vatan	2,380	6,480,591	826,359
HAKKI DEVRİM	Radikal	2,315	11,259,138	1,431,599
OKAY GONENSİN	Vatan	2,299	6,046,507	789,224
SULEYMAN ATEŞ	Vatan	2,146	5,308,914	706,773
FIKRET BİLA	Milliyet	2,139	7,204,209	897,956
RUHAT MENGİ	Vatan	2,132	8,929,508	1,167,643
AYŞE ARMAN	Hürriyet	2,101	13,789,963	1,941,658
CÜNEYT ULSEVER	Hürriyet	2,087	6,254,304	849,729
TAHA AKYOL	Milliyet	2,011	6,271,558	776,486
MELİH AŞIK	Milliyet	1,990	8,796,117	1,136,110
YALÇIN DOĞAN	Hürriyet	1,980	6,887,335	977,779

Figure 5.11 Sample report.

Reports can be exported as several file types: Crystal Reports (rpt), Adobe Acrobat (pdf), Microsoft Excel (xls), Microsoft Excel Data Only (xls), Microsoft Word (doc), and Rich Text Format (rtf). Exporting report can be done by clicking on the button with disk icon. And the save dialog is opened as shown below.

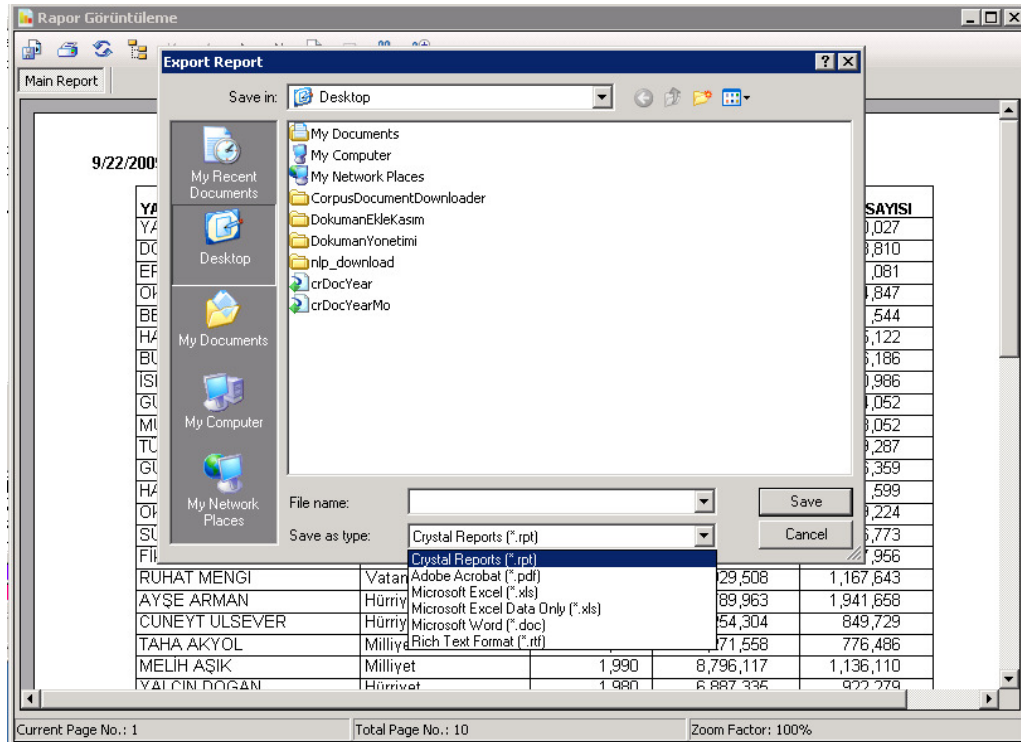


Figure 5.12 Save dialog box

Milliyet newspaper's downloading tab is shown below.

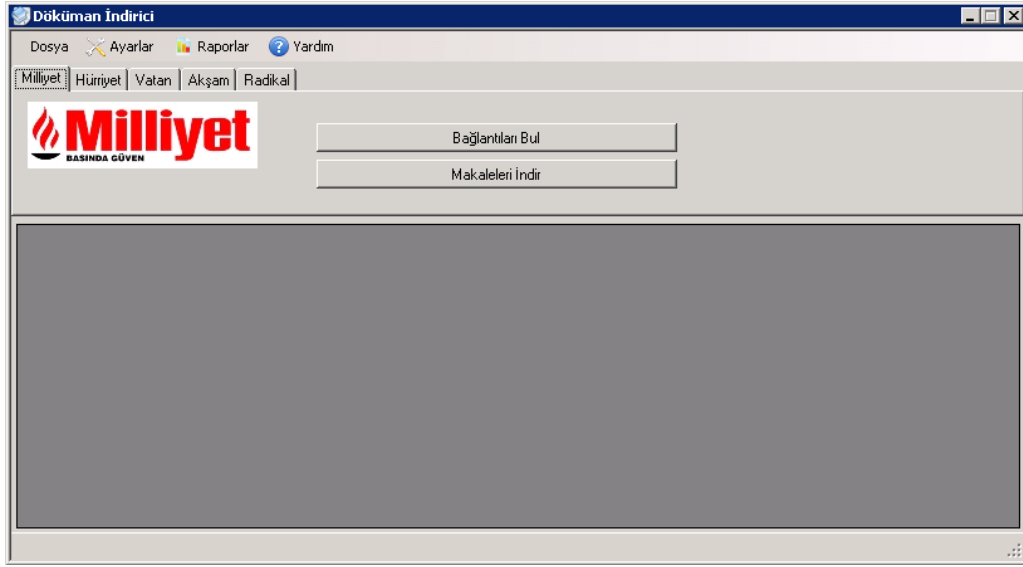


Figure 5.13 Milliyet newspaper's downloading tab.

Hürriyet newspaper's downloading tab is shown below.

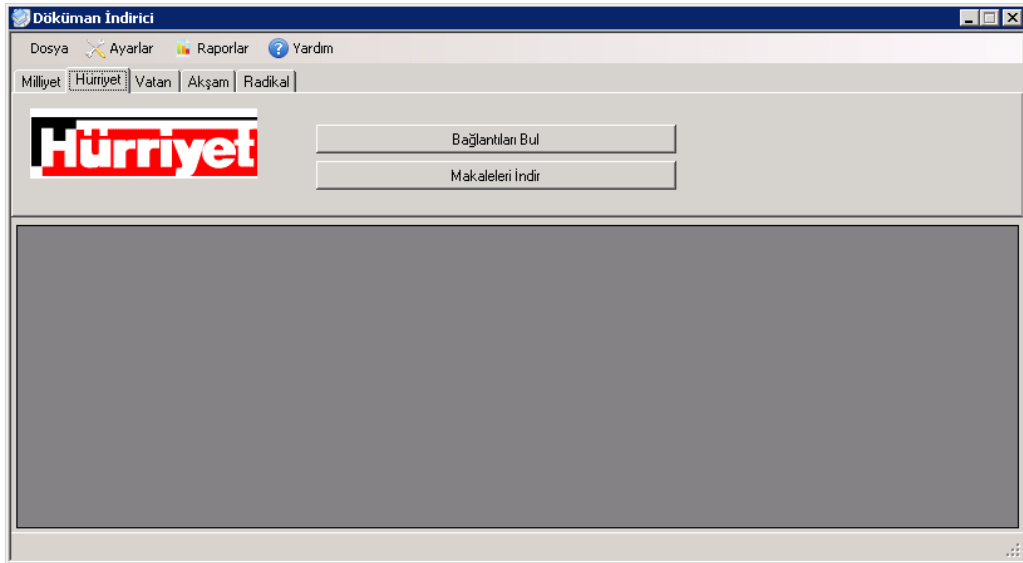


Figure 5.14 Hürriyet newspaper's downloading tab.

Vatan newspaper's downloading tab is shown below.

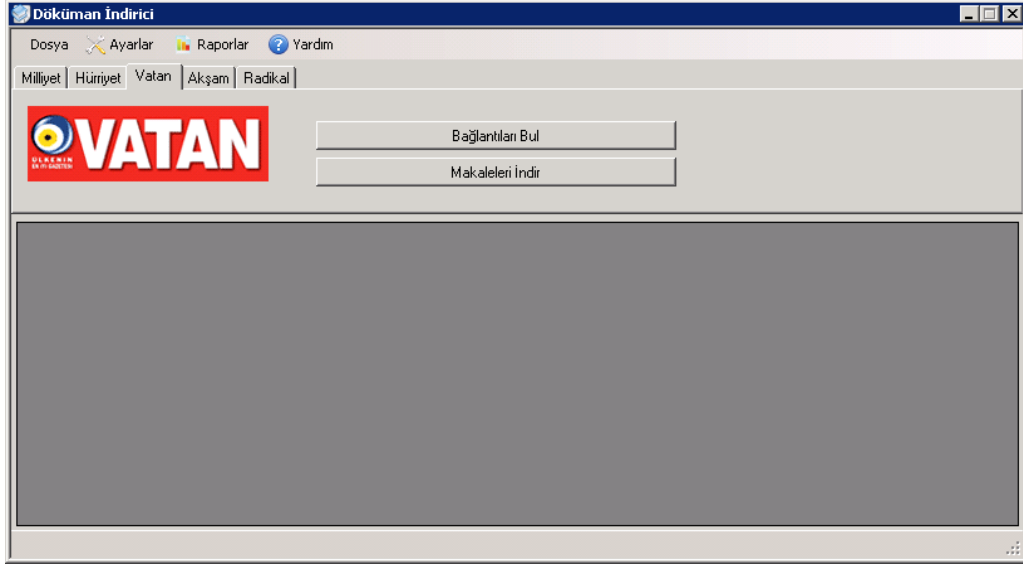


Figure 5.15 Vatan newspaper's downloading tab.

Akşam newspaper's downloading tab is shown below.

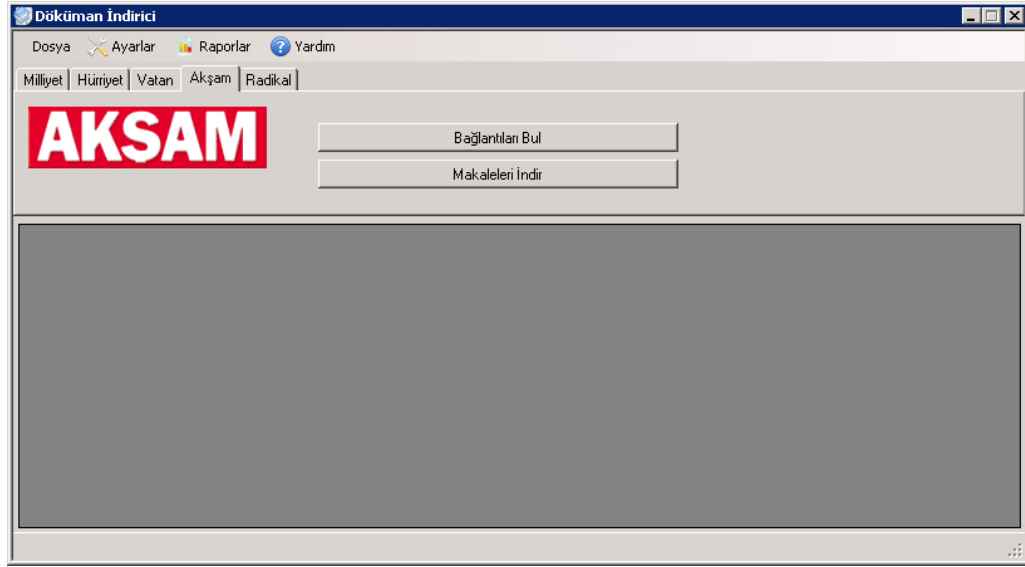


Figure 5.16 Akşam newspaper's downloading tab.

Radikal newspaper's downloading tab is shown below.

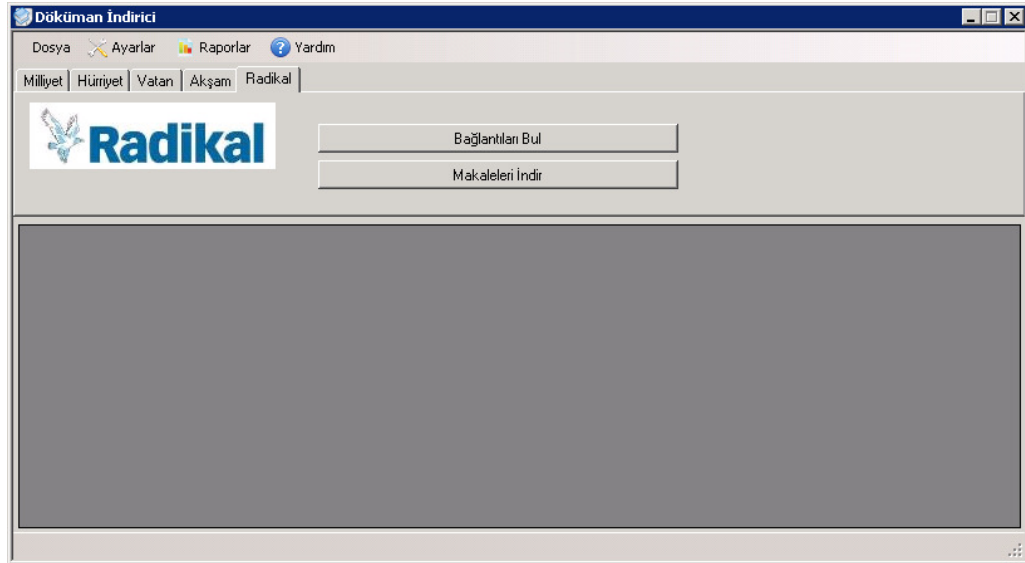


Figure 5.17 Radikal newspaper's downloading tab.



## CHAPTER SIX

### CONCLUSION

Large scale corpus, that includes varied sample of text documents, is required for NLP studies. Variation of author and types of documents; such as newspaper, book, magazine; increase the quality of studies. As a resource and test material, scale and organization of corpus is important. Text documents which have critical role to generate corpus, have to be collocated in a systematic way. The main goal is designing an infrastructure that provides classifications for corpus materials. An infrastructure model for collecting electronic data to develop large scale corpus is designed and implemented according to result of analyzing studies that point similarities and dissimilarities of documents.

A database model, that supports 6 different document types such as newspaper, report, magazine, book, parliamentary report and official gazette, was designed for classifying texts of corpus. Metadata of documents such as URL of document, header of document, size of document etc is stored in this database model.

An application module is designed and implemented for collecting electronic data. This module downloads articles from 5 different newspapers “Milliyet”, “Hürriyet”, “Radikal”, “Vatan”, ”Akşam”. Downloaded articles are stored in a storage media and also metadata of these documents are stored in database. For newspaper named as “Hürriyet” 65599 articles which contain 31585895 words, for newspaper named as “Milliyet” 43465 articles which contain 19536744 words, for newspaper named as “Vatan” 41250 articles which contain 18505364 words, for newspaper named as “Radikal” 35159 articles which contain 17605413 words, for newspaper named as “Akşam” 9783 articles which contain 5995476 words, totally 195256 articles which contain 93228892 words are downloaded and generated corpus size is 1.05 GB.

Also 3 different reports, which list top authors, top resource and timeline, are

designed and implemented to achieve statistical data from the documents in corpus.

This project should be used as a basis for other NLP projects. In the future;

- Corpus size can be increased by adding other type of documents such as book, magazine, and parliamentary report.
- Another project could be designed for finding keywords for texts of corpus.
- A searching module, that makes NLP users to find documents which are suitable for searching criteria, can be designed for documents.

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Wikipedia, 2009. *Microsoft Visual C Sharp*. Retrieved August, 24, 2009, [http://en.wikipedia.org/wiki/Visual\\_C\\_Sharp](http://en.wikipedia.org/wiki/Visual_C_Sharp)

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[http://en.wikipedia.org/wiki/Crystal\\_Reports](http://en.wikipedia.org/wiki/Crystal_Reports)

## APPENDICES

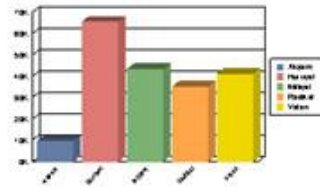
## A. SAMPLE REPORTS

9/25/2009

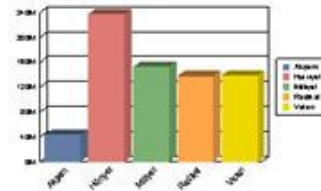
## KAYNAKLARA GÖRE SIRALI LİSTE

KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
Hürriyet	65,595	237,285,332	31,535,895
Milliyet	43,465	152,240,465	19,536,744
Vatan	41,250	138,980,726	18,505,364
Radikal	35,155	137,438,968	17,605,413
Akşam	9,783	42,665,567	5,995,476

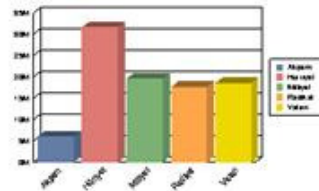
Makale Sayısına Göre



Makale Boyutuna Göre



Kelime Sayısı Toplamına Göre



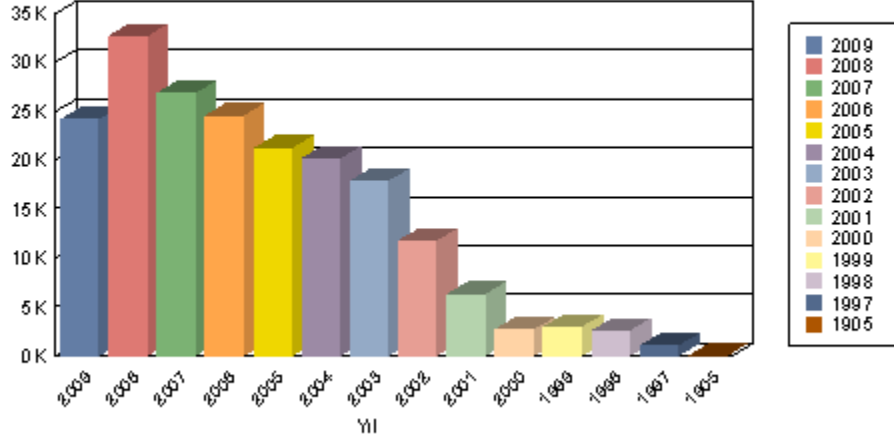
## YILLARA GÖRE MAKALE SAYILARI

YIL	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2009	Milliyet	7,269	25,528,794	3,362,655
2009	Akşam	3,129	13,412,243	1,872,178
2009	Hürriyet	5,709	19,572,040	2,604,667
2009	Radikal	4,354	18,318,948	2,382,129
2009	Vatan	3,752	13,036,081	1,735,620
		<b>24.213</b>	<b>89.868.106</b>	<b>11.957.249</b>
2008	Hürriyet	9,556	35,162,196	4,699,045
2008	Radikal	5,305	21,780,759	2,806,544
2008	Vatan	6,718	23,018,968	3,090,063
2008	Akşam	2,421	10,743,743	1,512,270
2008	Milliyet	8,714	31,141,424	4,082,979
		<b>32.714</b>	<b>121.847.090</b>	<b>16.190.901</b>
2007	Milliyet	4,685	16,630,367	2,089,244
2007	Akşam	2,075	9,279,697	1,304,930
2007	Hürriyet	9,043	33,933,670	4,513,839
2007	Radikal	4,401	17,406,528	2,228,127
2007	Vatan	6,639	22,820,262	3,055,629
		<b>26.843</b>	<b>100.070.524</b>	<b>13.191.769</b>
2006	Akşam	1,621	7,033,136	995,826
2006	Radikal	4,255	16,613,193	2,124,421
2006	Vatan	6,026	20,416,090	2,705,875
2006	Hürriyet	7,682	30,025,234	3,994,601
2006	Milliyet	4,977	17,334,200	2,174,640
		<b>24.561</b>	<b>91.421.853</b>	<b>11.995.363</b>
2005	Milliyet	4,486	16,077,155	2,018,390
2005	Radikal	3,925	15,032,947	1,925,788
2005	Akşam	534	2,184,361	308,496
2005	Hürriyet	6,652	24,352,596	3,240,341
2005	Vatan	5,677	19,762,531	2,611,727
		<b>21.274</b>	<b>77.409.590</b>	<b>10.104.742</b>
2004	Milliyet	4,556	15,780,034	2,006,730
2004	Radikal	3,742	14,206,582	1,818,379
2004	Hürriyet	5,901	21,680,718	2,882,916
2004	Vatan	6,029	19,823,904	2,626,374
		<b>20.228</b>	<b>71.491.238</b>	<b>9.334.399</b>
2003	Hürriyet	4,973	17,719,157	2,347,657
2003	Milliyet	3,471	11,788,371	1,498,700
2003	Radikal	3,655	13,629,813	1,733,173
2003	Vatan	5,801	18,141,953	2,418,832
		<b>17.900</b>	<b>61.279.294</b>	<b>7.998.362</b>
2002	Hürriyet	3,926	13,952,947	1,847,157
2002	Vatan	608	1,960,937	261,244
2002	Milliyet	3,851	13,191,525	1,691,409
2002	Radikal	3,407	12,747,119	1,617,097
		<b>11.792</b>	<b>41.852.528</b>	<b>5.416.907</b>
2001	Hürriyet	2,739	9,742,045	1,317,156
2001	Milliyet	1,456	4,768,595	611,997
2001	Radikal	2,115	7,703,079	969,755
		<b>6.310</b>	<b>22.213.719</b>	<b>2.898.908</b>
2000	Hürriyet	2,707	9,889,002	1,329,063
		<b>2.707</b>	<b>9.889.002</b>	<b>1.329.063</b>
1999	Hürriyet	3,025	9,804,854	1,304,374

## YILLARA GÖRE MAKALE SAYILARI

YIL	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
		<b>3.025</b>	<b>9.804.854</b>	<b>1.304.374</b>
1998	Hürriyet	2,618	7,879,868	1,043,888
		<b>2.618</b>	<b>7.879.868</b>	<b>1.043.888</b>
1997	Hürriyet	1,068	3,571,005	461,191
		<b>1.068</b>	<b>3.571.005</b>	<b>461.191</b>
1905	Akşam	3	12,387	1,776
		<b>3</b>	<b>12.387</b>	<b>1.776</b>
		<b>195.256</b>	<b>708.611.058</b>	<b>93.228.892</b>

Yıllara Göre Makale Sayıları



## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2009/09	Milliyet	380	1,372,193	181,081
2009/09	Radikal	293	1,212,572	157,507
2009/09	Akşam	152	628,061	87,948
2009/09	Hürriyet	372	1,221,957	163,478
		<b>1.197</b>	<b>4.434.783</b>	<b>590.014</b>
2009/08	Akşam	401	1,590,585	222,892
2009/08	Hürriyet	571	1,962,590	261,795
2009/08	Milliyet	837	3,034,048	401,556
2009/08	Radikal	491	2,048,096	267,688
2009/08	Vatan	235	844,842	113,085
		<b>2.535</b>	<b>9.480.161</b>	<b>1.267.016</b>
2009/07	Akşam	373	1,569,928	219,480
2009/07	Hürriyet	664	2,227,508	295,874
2009/07	Vatan	432	1,505,538	199,638
2009/07	Milliyet	784	2,774,113	365,678
2009/07	Radikal	454	1,866,447	242,948
		<b>2.707</b>	<b>9.943.534</b>	<b>1.323.618</b>
2009/06	Akşam	363	1,588,226	221,235
2009/06	Milliyet	829	2,943,863	388,422
2009/06	Radikal	492	2,072,021	268,905
2009/06	Hürriyet	618	2,088,118	276,933
2009/06	Vatan	473	1,710,649	227,639
		<b>2.775</b>	<b>10.402.877</b>	<b>1.383.134</b>
2009/05	Akşam	390	1,714,144	238,741
2009/05	Hürriyet	659	2,339,184	310,984
2009/05	Vatan	521	1,824,714	243,475
2009/05	Milliyet	912	3,164,566	416,978
2009/05	Radikal	523	2,194,396	285,386
		<b>3.005</b>	<b>11.237.004</b>	<b>1.495.564</b>
2009/04	Hürriyet	682	2,312,162	306,436
2009/04	Vatan	530	1,837,907	244,786
2009/04	Akşam	377	1,663,365	231,214
2009/04	Milliyet	904	3,099,775	407,113
2009/04	Radikal	480	2,038,696	264,102
		<b>2.973</b>	<b>10.951.905</b>	<b>1.453.651</b>
2009/03	Hürriyet	707	2,450,628	326,094
2009/03	Milliyet	927	3,126,609	412,392
2009/03	Radikal	519	2,236,881	291,914
2009/03	Vatan	544	1,893,904	252,562
2009/03	Akşam	395	1,718,616	240,497
		<b>3.092</b>	<b>11.426.638</b>	<b>1.523.459</b>
2009/02	Akşam	347	1,517,343	211,952
2009/02	Hürriyet	652	2,237,318	298,501
2009/02	Milliyet	814	2,800,448	368,137
2009/02	Radikal	522	2,206,728	287,009
2009/02	Vatan	495	1,696,187	226,088
		<b>2.830</b>	<b>10.458.024</b>	<b>1.391.687</b>
2009/01	Hürriyet	784	2,732,575	364,572
2009/01	Milliyet	882	3,213,179	421,298
2009/01	Radikal	580	2,443,111	316,670
2009/01	Vatan	522	1,722,340	228,347
2009/01	Akşam	331	1,421,975	198,219



## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
		<b>3.099</b>	<b>11.533.180</b>	<b>1.529.106</b>
2008/12	Hürriyet	787	2,829,885	378,627
2008/12	Vatan	548	1,795,468	240,203
2008/12	Akşam	215	918,076	129,793
2008/12	Milliyet	794	2,832,667	374,009
2008/12	Radikal	504	2,171,585	280,964
		<b>2.848</b>	<b>10.547.681</b>	<b>1.403.596</b>
2008/11	Akşam	214	928,732	130,701
2008/11	Milliyet	855	3,042,721	400,632
2008/11	Radikal	509	2,169,648	280,534
2008/11	Hürriyet	856	3,092,949	414,293
2008/11	Vatan	543	1,790,963	239,655
		<b>2.977</b>	<b>11.025.013</b>	<b>1.465.815</b>
2008/10	Akşam	197	894,697	125,728
2008/10	Milliyet	884	3,199,010	420,793
2008/10	Radikal	492	2,047,945	264,970
2008/10	Hürriyet	799	2,923,368	391,366
2008/10	Vatan	550	1,938,932	259,260
		<b>2.922</b>	<b>11.003.952</b>	<b>1.462.117</b>
2008/09	Radikal	514	2,175,912	281,364
2008/09	Akşam	196	906,861	127,610
2008/09	Hürriyet	787	2,902,065	387,834
2008/09	Milliyet	827	2,944,827	387,705
2008/09	Vatan	507	1,758,676	235,670
		<b>2.831</b>	<b>10.688.341</b>	<b>1.420.183</b>
2008/08	Akşam	198	951,687	133,287
2008/08	Hürriyet	748	2,736,722	367,165
2008/08	Milliyet	780	2,684,819	354,095
2008/08	Vatan	543	1,880,805	252,585
2008/08	Radikal	427	1,733,277	224,403
		<b>2.696</b>	<b>9.987.310</b>	<b>1.331.535</b>
2008/07	Akşam	198	941,500	131,855
2008/07	Hürriyet	768	2,858,089	381,590
2008/07	Milliyet	810	2,908,746	383,721
2008/07	Radikal	427	1,690,702	218,632
2008/07	Vatan	540	1,914,635	254,515
		<b>2.743</b>	<b>10.313.672</b>	<b>1.370.313</b>
2008/06	Hürriyet	768	2,879,396	385,710
2008/06	Milliyet	814	2,860,024	376,701
2008/06	Vatan	569	1,941,064	261,677
2008/06	Akşam	213	944,266	133,263
2008/06	Radikal	412	1,666,907	215,127
		<b>2.776</b>	<b>10.291.657</b>	<b>1.372.478</b>
2008/05	Akşam	202	891,458	125,920
2008/05	Hürriyet	780	2,931,232	391,587
2008/05	Milliyet	856	3,138,742	412,099
2008/05	Vatan	564	1,969,572	264,406
2008/05	Radikal	420	1,697,767	219,871
		<b>2.822</b>	<b>10.628.771</b>	<b>1.413.883</b>
2008/04	Hürriyet	816	2,962,230	395,205
2008/04	Milliyet	839	2,971,524	391,163
2008/04	Vatan	596	2,056,202	278,815

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2008/04	Akşam	193	839,837	118,394
2008/04	Radikal	381	1,540,750	197,559
		<b>2.825</b>	<b>10.370.543</b>	<b>1.381.136</b>
2008/03	Hürriyet	846	3,142,164	418,689
2008/03	Milliyet	432	1,548,840	202,775
2008/03	Vatan	623	2,113,557	284,554
2008/03	Akşam	202	858,721	120,674
2008/03	Radikal	422	1,708,924	218,881
		<b>2.525</b>	<b>9.372.206</b>	<b>1.245.573</b>
2008/02	Akşam	190	809,721	114,001
2008/02	Radikal	394	1,579,899	200,208
2008/02	Hürriyet	786	2,878,364	383,015
2008/02	Milliyet	415	1,523,618	191,586
2008/02	Vatan	579	1,966,749	264,331
		<b>2.364</b>	<b>8.758.351</b>	<b>1.153.141</b>
2008/01	Akşam	203	858,187	121,044
2008/01	Hürriyet	815	3,025,732	403,964
2008/01	Milliyet	408	1,485,886	187,700
2008/01	Vatan	556	1,892,345	254,392
2008/01	Radikal	403	1,597,443	204,031
		<b>2.385</b>	<b>8.859.593</b>	<b>1.171.131</b>
2007/12	Milliyet	450	1,610,132	203,362
2007/12	Akşam	198	833,941	117,901
2007/12	Hürriyet	827	2,997,227	399,495
2007/12	Radikal	407	1,595,092	204,635
2007/12	Vatan	580	1,985,682	269,291
		<b>2.462</b>	<b>9.022.074</b>	<b>1.194.684</b>
2007/11	Akşam	185	779,288	109,874
2007/11	Hürriyet	815	2,957,961	393,853
2007/11	Radikal	369	1,431,531	183,438
2007/11	Vatan	588	1,978,184	267,256
2007/11	Milliyet	445	1,598,817	201,508
		<b>2.402</b>	<b>8.745.781</b>	<b>1.155.929</b>
2007/10	Akşam	200	829,173	117,111
2007/10	Hürriyet	817	2,925,202	390,289
2007/10	Vatan	608	2,029,530	272,533
2007/10	Milliyet	431	1,544,622	193,858
2007/10	Radikal	380	1,473,816	189,289
		<b>2.436</b>	<b>8.802.343</b>	<b>1.163.080</b>
2007/09	Akşam	185	793,031	111,798
2007/09	Milliyet	352	1,299,270	163,172
2007/09	Radikal	364	1,446,168	184,916
2007/09	Hürriyet	803	2,955,834	394,409
2007/09	Vatan	523	1,833,642	246,206
		<b>2.227</b>	<b>8.327.945</b>	<b>1.100.501</b>
2007/08	Hürriyet	772	2,727,321	365,048
2007/08	Vatan	592	2,029,121	271,384
2007/08	Akşam	167	729,883	103,098
2007/08	Milliyet	307	1,092,646	137,176
2007/08	Radikal	326	1,281,524	164,419
		<b>2.164</b>	<b>7.860.495</b>	<b>1.041.125</b>
2007/07	Akşam	183	833,918	117,709

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2007/07	Hürriyet	732	2,668,372	356,707
2007/07	Vatan	534	1,864,401	250,067
2007/07	Milliyet	405	1,485,661	187,700
2007/07	Radikal	353	1,403,711	179,884
		<b>2.207</b>	<b>8.256.063</b>	<b>1.092.067</b>
2007/06	Milliyet	357	1,273,413	159,982
2007/06	Akşam	154	705,510	98,896
2007/06	Hürriyet	669	2,629,388	349,230
2007/06	Radikal	341	1,372,822	175,960
2007/06	Vatan	540	1,801,090	241,147
		<b>2.061</b>	<b>7.782.223</b>	<b>1.025.215</b>
2007/05	Hürriyet	744	2,912,840	386,436
2007/05	Vatan	589	1,966,160	261,671
2007/05	Akşam	170	778,296	109,338
2007/05	Milliyet	339	1,169,067	145,820
2007/05	Radikal	392	1,579,979	201,804
		<b>2.234</b>	<b>8.406.342</b>	<b>1.105.069</b>
2007/04	Akşam	160	746,117	104,179
2007/04	Hürriyet	724	2,796,018	369,454
2007/04	Radikal	376	1,490,412	190,339
2007/04	Vatan	566	1,949,266	258,511
2007/04	Milliyet	424	1,496,477	187,711
		<b>2.250</b>	<b>8.478.290</b>	<b>1.110.194</b>
2007/03	Akşam	171	798,964	111,895
2007/03	Milliyet	369	1,268,174	159,122
2007/03	Radikal	391	1,556,959	198,902
2007/03	Hürriyet	751	2,968,618	393,462
2007/03	Vatan	597	2,105,926	280,247
		<b>2.279</b>	<b>8.698.641</b>	<b>1.143.628</b>
2007/02	Hürriyet	669	2,605,642	345,727
2007/02	Vatan	554	1,968,991	263,071
2007/02	Akşam	156	770,207	107,353
2007/02	Milliyet	373	1,309,949	164,095
2007/02	Radikal	354	1,413,706	180,546
		<b>2.106</b>	<b>8.068.495</b>	<b>1.060.792</b>
2007/01	Akşam	146	681,369	95,778
2007/01	Milliyet	433	1,482,139	185,738
2007/01	Radikal	348	1,360,808	173,995
2007/01	Hürriyet	720	2,789,247	369,729
2007/01	Vatan	368	1,308,269	174,245
		<b>2.015</b>	<b>7.621.832</b>	<b>999.485</b>
2006/12	Milliyet	407	1,390,553	174,504
2006/12	Akşam	155	724,405	101,707
2006/12	Hürriyet	704	2,878,993	382,913
2006/12	Radikal	366	1,436,991	184,099
2006/12	Vatan	573	1,988,020	265,617
		<b>2.205</b>	<b>8.418.962</b>	<b>1.108.840</b>
2006/11	Akşam	159	729,663	102,420
2006/11	Hürriyet	713	2,683,576	358,095
2006/11	Radikal	355	1,405,595	179,629
2006/11	Vatan	524	1,742,975	232,779
2006/11	Milliyet	410	1,434,427	179,487

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
		<b>2.161</b>	<b>7.996.236</b>	<b>1.052.410</b>
2006/10	Akşam	160	770,940	108,441
2006/10	Hürriyet	697	2,734,750	362,589
2006/10	Radikal	372	1,428,667	183,500
2006/10	Milliyet	386	1,338,676	167,652
2006/10	Vatan	539	1,803,449	240,637
		<b>2.154</b>	<b>8.076.482</b>	<b>1.062.819</b>
2006/09	Akşam	149	664,483	93,858
2006/09	Hürriyet	617	2,613,138	348,373
2006/09	Milliyet	360	1,250,040	156,853
2006/09	Vatan	530	1,774,634	237,044
2006/09	Radikal	352	1,394,077	178,584
		<b>2.008</b>	<b>7.696.372</b>	<b>1.014.712</b>
2006/08	Radikal	341	1,294,948	166,066
2006/08	Akşam	142	609,110	86,379
2006/08	Hürriyet	611	2,396,111	319,376
2006/08	Milliyet	370	1,245,744	156,865
2006/08	Vatan	526	1,718,014	228,811
		<b>1.990</b>	<b>7.263.927</b>	<b>957.497</b>
2006/07	Milliyet	431	1,492,355	187,159
2006/07	Akşam	131	547,027	77,555
2006/07	Hürriyet	593	2,361,824	314,199
2006/07	Radikal	338	1,304,284	167,224
2006/07	Vatan	488	1,606,850	213,327
		<b>1.981</b>	<b>7.312.340</b>	<b>959.464</b>
2006/06	Akşam	114	462,648	65,989
2006/06	Radikal	322	1,231,180	156,650
2006/06	Hürriyet	613	2,360,403	313,681
2006/06	Milliyet	441	1,542,932	193,901
2006/06	Vatan	478	1,620,192	213,076
		<b>1.968</b>	<b>7.217.355</b>	<b>943.297</b>
2006/05	Akşam	130	525,776	75,053
2006/05	Hürriyet	637	2,465,892	328,269
2006/05	Milliyet	412	1,420,934	177,449
2006/05	Radikal	371	1,454,151	185,270
2006/05	Vatan	468	1,577,722	207,322
		<b>2.018</b>	<b>7.444.475</b>	<b>973.363</b>
2006/04	Hürriyet	635	2,553,319	339,472
2006/04	Milliyet	453	1,602,745	201,066
2006/04	Vatan	471	1,645,026	216,945
2006/04	Akşam	112	463,773	65,856
2006/04	Radikal	373	1,484,513	189,630
		<b>2.044</b>	<b>7.749.376</b>	<b>1.012.969</b>
2006/03	Hürriyet	681	2,502,078	333,147
2006/03	Milliyet	445	1,558,818	195,563
2006/03	Vatan	503	1,738,821	229,092
2006/03	Akşam	129	531,910	75,783
2006/03	Radikal	378	1,465,312	186,272
		<b>2.136</b>	<b>7.796.939</b>	<b>1.019.857</b>
2006/02	Akşam	117	502,064	71,283
2006/02	Radikal	338	1,351,630	172,725
2006/02	Hürriyet	561	2,101,507	278,937

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2006/02	Milliyet	424	1,536,371	192,670
2006/02	Vatan	466	1,609,618	211,312
		<b>1.906</b>	<b>7.101.190</b>	<b>926.927</b>
2006/01	Hürriyet	620	2,373,643	315,550
2006/01	Milliyet	438	1,520,605	191,471
2006/01	Vatan	460	1,590,769	209,913
2006/01	Akşam	123	501,337	71,502
2006/01	Radikal	349	1,361,845	174,772
		<b>1.990</b>	<b>7.348.199</b>	<b>963.208</b>
2005/12	Milliyet	392	1,344,230	167,955
2005/12	Akşam	117	481,428	68,181
2005/12	Hürriyet	632	2,342,434	311,901
2005/12	Radikal	367	1,463,498	187,062
2005/12	Vatan	503	1,686,445	222,778
		<b>2.011</b>	<b>7.318.035</b>	<b>957.877</b>
2005/11	Akşam	114	455,787	64,165
2005/11	Hürriyet	619	2,218,826	294,698
2005/11	Radikal	338	1,327,090	170,040
2005/11	Vatan	442	1,505,920	198,118
2005/11	Milliyet	423	1,479,502	184,462
		<b>1.936</b>	<b>6.987.125</b>	<b>911.483</b>
2005/10	Akşam	112	461,230	65,262
2005/10	Hürriyet	633	2,383,946	317,682
2005/10	Vatan	449	1,479,127	195,764
2005/10	Milliyet	373	1,302,418	162,784
2005/10	Radikal	358	1,395,272	178,254
		<b>1.925</b>	<b>7.021.993</b>	<b>919.746</b>
2005/09	Akşam	112	469,125	66,355
2005/09	Milliyet	80	287,733	35,822
2005/09	Radikal	332	1,267,318	162,243
2005/09	Hürriyet	535	1,998,615	265,744
2005/09	Vatan	441	1,458,143	192,571
		<b>1.500</b>	<b>5.480.934</b>	<b>722.735</b>
2005/08	Hürriyet	520	1,937,905	258,617
2005/08	Vatan	458	1,602,805	212,135
2005/08	Akşam	79	316,791	44,533
2005/08	Milliyet	306	1,138,340	143,595
2005/08	Radikal	318	1,184,506	151,490
		<b>1.681</b>	<b>6.180.347</b>	<b>810.370</b>
2005/07	Hürriyet	501	1,871,793	249,067
2005/07	Vatan	422	1,450,399	191,588
2005/07	Milliyet	444	1,658,374	209,061
2005/07	Radikal	269	1,002,474	128,746
		<b>1.636</b>	<b>5.983.040</b>	<b>778.462</b>
2005/06	Hürriyet	497	1,792,161	237,533
2005/06	Milliyet	433	1,568,600	195,800
2005/06	Radikal	314	1,189,450	151,968
2005/06	Vatan	419	1,508,445	199,461
		<b>1.663</b>	<b>6.058.656</b>	<b>784.762</b>
2005/05	Hürriyet	559	2,016,312	267,486
2005/05	Vatan	465	1,642,052	217,273
2005/05	Milliyet	477	1,752,315	219,864

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2005/05	Radikal	321	1,209,533	154,902
		<b>1.822</b>	<b>6.620.212</b>	<b>859.525</b>
2005/04	Hürriyet	541	2,013,895	267,108
2005/04	Milliyet	374	1,387,053	174,047
2005/04	Radikal	327	1,228,760	157,816
2005/04	Vatan	476	1,674,037	221,130
		<b>1.718</b>	<b>6.303.745</b>	<b>820.101</b>
2005/03	Milliyet	467	1,620,616	203,598
2005/03	Radikal	342	1,301,843	166,650
2005/03	Hürriyet	569	2,019,547	268,665
2005/03	Vatan	553	2,004,613	264,619
		<b>1.931</b>	<b>6.946.619</b>	<b>903.532</b>
2005/02	Hürriyet	498	1,799,915	239,929
2005/02	Vatan	518	1,903,311	251,983
2005/02	Milliyet	370	1,301,991	165,036
2005/02	Radikal	308	1,189,093	152,604
		<b>1.694</b>	<b>6.194.310</b>	<b>809.552</b>
2005/01	Hürriyet	548	1,957,247	261,911
2005/01	Vatan	531	1,847,234	244,307
2005/01	Milliyet	347	1,235,983	156,366
2005/01	Radikal	331	1,274,110	164,013
		<b>1.757</b>	<b>6.314.574</b>	<b>826.597</b>
2004/12	Milliyet	433	1,560,885	197,709
2004/12	Radikal	349	1,332,240	170,969
2004/12	Hürriyet	533	1,875,964	249,236
2004/12	Vatan	517	1,779,385	235,135
		<b>1.832</b>	<b>6.548.474</b>	<b>853.049</b>
2004/11	Hürriyet	537	1,887,736	251,751
2004/11	Vatan	521	1,736,057	229,965
2004/11	Milliyet	393	1,398,395	177,965
2004/11	Radikal	329	1,258,521	161,911
		<b>1.780</b>	<b>6.280.709</b>	<b>821.592</b>
2004/10	Hürriyet	515	1,926,054	256,095
2004/10	Vatan	521	1,767,378	233,498
2004/10	Milliyet	345	1,169,677	147,806
2004/10	Radikal	351	1,318,221	169,591
		<b>1.732</b>	<b>6.181.330</b>	<b>806.990</b>
2004/09	Milliyet	380	1,312,802	166,917
2004/09	Hürriyet	511	1,885,147	250,666
2004/09	Radikal	322	1,226,841	157,344
2004/09	Vatan	514	1,741,564	231,138
		<b>1.727</b>	<b>6.166.354</b>	<b>806.065</b>
2004/08	Hürriyet	470	1,698,780	226,236
2004/08	Radikal	307	1,170,707	149,463
2004/08	Vatan	514	1,674,807	222,324
2004/08	Milliyet	390	1,330,714	168,837
		<b>1.681</b>	<b>5.875.008</b>	<b>766.860</b>
2004/07	Milliyet	401	1,413,602	179,526
2004/07	Radikal	274	1,027,028	131,458
2004/07	Hürriyet	484	1,836,508	244,096
2004/07	Vatan	472	1,600,452	211,844
		<b>1.631</b>	<b>5.877.590</b>	<b>766.924</b>

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2004/06	Hürriyet	477	1,793,608	237,966
2004/06	Vatan	483	1,572,006	207,595
2004/06	Radikal	292	1,103,031	140,357
		<b>1.252</b>	<b>4.468.645</b>	<b>585.918</b>
2004/05	Milliyet	411	1,396,881	176,178
2004/05	Radikal	304	1,145,296	145,395
2004/05	Hürriyet	510	1,918,003	255,162
2004/05	Vatan	530	1,721,327	227,575
		<b>1.755</b>	<b>6.181.507</b>	<b>804.310</b>
2004/04	Milliyet	453	1,580,348	202,003
2004/04	Radikal	310	1,187,450	151,732
2004/04	Hürriyet	503	1,892,445	253,618
2004/04	Vatan	482	1,566,633	207,231
		<b>1.748</b>	<b>6.226.876</b>	<b>814.584</b>
2004/03	Milliyet	486	1,636,145	209,014
2004/03	Radikal	308	1,175,999	150,511
2004/03	Hürriyet	491	1,847,059	246,390
2004/03	Vatan	514	1,640,609	218,448
		<b>1.799</b>	<b>6.299.812</b>	<b>824.363</b>
2004/02	Hürriyet	414	1,482,236	196,174
2004/02	Vatan	470	1,469,113	195,727
2004/02	Milliyet	407	1,401,930	179,604
2004/02	Radikal	290	1,112,238	142,810
		<b>1.581</b>	<b>5.465.517</b>	<b>714.315</b>
2004/01	Milliyet	457	1,578,655	201,171
2004/01	Radikal	306	1,149,010	146,838
2004/01	Hürriyet	456	1,637,178	215,526
2004/01	Vatan	491	1,554,573	205,894
		<b>1.710</b>	<b>5.919.416</b>	<b>769.429</b>
2003/12	Radikal	304	1,135,846	144,205
2003/12	Hürriyet	458	1,605,403	212,326
2003/12	Vatan	517	1,639,069	217,870
		<b>1.279</b>	<b>4.380.318</b>	<b>574.401</b>
2003/11	Hürriyet	425	1,506,947	198,952
2003/11	Vatan	592	1,926,511	256,469
2003/11	Radikal	316	1,148,280	145,950
		<b>1.333</b>	<b>4.581.738</b>	<b>601.371</b>
2003/10	Hürriyet	440	1,598,642	211,689
2003/10	Milliyet	384	1,270,022	161,368
2003/10	Radikal	320	1,169,033	148,932
2003/10	Vatan	551	1,712,180	226,931
		<b>1.695</b>	<b>5.749.877</b>	<b>748.920</b>
2003/09	Hürriyet	400	1,409,342	186,855
2003/09	Vatan	491	1,538,645	205,623
2003/09	Milliyet	410	1,399,587	177,969
2003/09	Radikal	306	1,178,965	150,116
		<b>1.607</b>	<b>5.526.539</b>	<b>720.563</b>
2003/08	Milliyet	28	84,517	10,770
2003/08	Radikal	298	1,128,491	144,132
2003/08	Hürriyet	376	1,380,134	183,615
2003/08	Vatan	511	1,604,577	214,603
		<b>1.213</b>	<b>4.197.719</b>	<b>553.120</b>

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2003/07	Milliyet	304	1,032,154	130,565
2003/07	Hürriyet	401	1,450,823	190,992
2003/07	Radikal	292	1,112,491	141,455
2003/07	Vatan	448	1,433,778	191,847
		<b>1.445</b>	<b>5.029.246</b>	<b>654.859</b>
2003/06	Hürriyet	433	1,499,711	199,236
2003/06	Milliyet	434	1,482,811	188,347
2003/06	Radikal	282	1,050,129	133,323
2003/06	Vatan	439	1,350,717	179,993
		<b>1.588</b>	<b>5.383.368</b>	<b>700.899</b>
2003/05	Milliyet	428	1,479,494	188,061
2003/05	Radikal	318	1,176,379	148,774
2003/05	Hürriyet	435	1,534,526	202,483
2003/05	Vatan	511	1,544,902	205,985
		<b>1.692</b>	<b>5.735.301</b>	<b>745.303</b>
2003/04	Hürriyet	404	1,420,683	187,600
2003/04	Milliyet	448	1,516,678	192,037
2003/04	Radikal	300	1,083,511	137,280
2003/04	Vatan	472	1,439,521	191,890
		<b>1.624</b>	<b>5.460.393</b>	<b>708.807</b>
2003/03	Hürriyet	435	1,513,862	201,401
2003/03	Vatan	475	1,462,119	195,043
2003/03	Milliyet	427	1,433,600	183,052
2003/03	Radikal	313	1,158,068	147,250
		<b>1.650</b>	<b>5.567.649</b>	<b>726.746</b>
2003/02	Milliyet	380	1,297,517	165,523
2003/02	Radikal	290	1,085,740	138,673
2003/02	Hürriyet	373	1,349,486	179,609
2003/02	Vatan	397	1,232,871	165,126
		<b>1.440</b>	<b>4.965.614</b>	<b>648.931</b>
2003/01	Hürriyet	393	1,449,598	192,899
2003/01	Vatan	397	1,257,063	167,452
2003/01	Milliyet	228	791,991	101,008
2003/01	Radikal	316	1,202,880	153,083
		<b>1.334</b>	<b>4.701.532</b>	<b>614.442</b>
2002/12	Hürriyet	417	1,494,365	198,905
2002/12	Vatan	345	1,109,822	147,884
2002/12	Milliyet	134	464,917	59,377
2002/12	Radikal	316	1,212,326	154,882
		<b>1.212</b>	<b>4.281.430</b>	<b>561.048</b>
2002/11	Milliyet	437	1,521,575	193,207
2002/11	Radikal	306	1,130,092	143,269
2002/11	Hürriyet	371	1,374,061	182,044
2002/11	Vatan	253	813,881	108,365
		<b>1.367</b>	<b>4.839.609</b>	<b>626.885</b>
2002/10	Milliyet	449	1,530,415	195,477
2002/10	Radikal	315	1,172,755	149,445
2002/10	Hürriyet	351	1,254,579	166,630
2002/10	Vatan	10	37,234	4,995
		<b>1.125</b>	<b>3.994.983</b>	<b>516.547</b>
2002/09	Milliyet	410	1,401,951	179,907
2002/09	Radikal	284	1,075,138	137,797



## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2002/09	Hürriyet	324	1,193,067	157,575
		<b>1.018</b>	<b>3.670.156</b>	<b>475.279</b>
2002/08	Hürriyet	315	1,098,629	145,665
2002/08	Milliyet	358	1,190,508	154,454
2002/08	Radikal	301	1,137,593	145,547
		<b>974</b>	<b>3.426.730</b>	<b>445.666</b>
2002/07	Milliyet	97	323,421	41,532
2002/07	Hürriyet	276	995,797	131,730
2002/07	Radikal	255	949,385	120,709
		<b>628</b>	<b>2.268.603</b>	<b>293.971</b>
2002/06	Hürriyet	278	1,080,997	143,213
2002/06	Radikal	267	979,942	123,626
2002/06	Milliyet	146	508,938	65,192
		<b>691</b>	<b>2.569.877</b>	<b>332.031</b>
2002/05	Milliyet	507	1,787,092	229,085
2002/05	Hürriyet	314	1,075,158	142,160
2002/05	Radikal	283	1,044,098	131,604
		<b>1.104</b>	<b>3.906.348</b>	<b>502.849</b>
2002/04	Milliyet	455	1,522,434	195,217
2002/04	Hürriyet	319	1,081,084	142,484
2002/04	Radikal	272	983,446	124,091
		<b>1.046</b>	<b>3.586.964</b>	<b>461.792</b>
2002/03	Hürriyet	333	1,176,584	154,618
2002/03	Radikal	284	1,083,342	136,790
		<b>617</b>	<b>2.259.926</b>	<b>291.408</b>
2002/02	Hürriyet	300	1,011,906	133,741
2002/02	Radikal	246	918,544	115,742
2002/02	Milliyet	396	1,371,275	176,870
		<b>942</b>	<b>3.301.725</b>	<b>426.353</b>
2002/01	Milliyet	462	1,568,999	201,091
2002/01	Hürriyet	328	1,116,720	148,392
2002/01	Radikal	278	1,060,458	133,595
		<b>1.068</b>	<b>3.746.177</b>	<b>483.078</b>
2001/12	Radikal	278	1,029,197	129,952
2001/12	Hürriyet	329	1,135,302	151,194
2001/12	Milliyet	448	1,485,664	190,570
		<b>1.055</b>	<b>3.650.163</b>	<b>471.716</b>
2001/11	Hürriyet	137	444,066	58,552
2001/11	Milliyet	15	56,208	7,180
2001/11	Radikal	269	976,026	123,492
		<b>421</b>	<b>1.476.300</b>	<b>189.224</b>
2001/10	Hürriyet	19	52,394	6,993
2001/10	Radikal	248	897,111	112,654
		<b>267</b>	<b>949.505</b>	<b>119.647</b>
2001/09	Milliyet	30	101,370	13,074
2001/09	Radikal	261	957,087	120,137
2001/09	Hürriyet	15	41,492	5,447
		<b>306</b>	<b>1.099.949</b>	<b>138.658</b>
2001/08	Hürriyet	204	777,764	103,188
2001/08	Milliyet	413	1,306,996	168,317
2001/08	Radikal	256	947,711	118,984
		<b>873</b>	<b>3.032.471</b>	<b>390.489</b>
2001/07	Milliyet	452	1,502,809	192,755

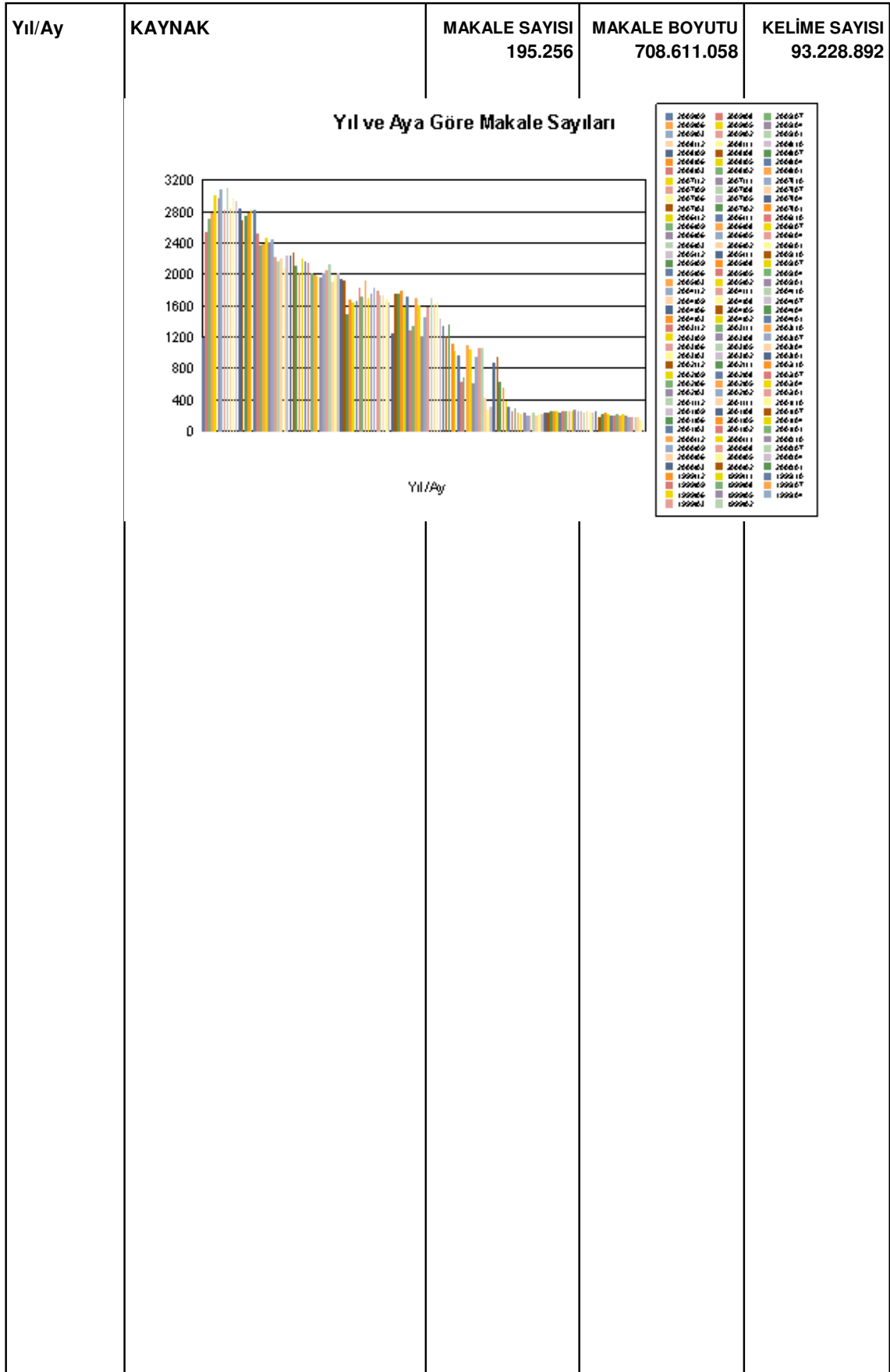
## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
2001/07	Radikal	215	774,465	97,639
2001/07	Hürriyet	290	1,090,100	145,682
		<b>957</b>	<b>3.367.374</b>	<b>436.076</b>
2001/06	Hürriyet	288	1,024,990	141,058
2001/06	Milliyet	98	315,548	40,101
2001/06	Radikal	240	878,476	109,887
		<b>626</b>	<b>2.219.014</b>	<b>291.046</b>
2001/05	Hürriyet	313	1,142,923	156,556
2001/05	Radikal	243	874,654	110,603
		<b>556</b>	<b>2.017.577</b>	<b>267.159</b>
2001/04	Radikal	105	368,352	46,407
2001/04	Hürriyet	288	1,006,500	138,327
		<b>393</b>	<b>1.374.852</b>	<b>184.734</b>
2001/03	Hürriyet	306	1,079,621	147,527
		<b>306</b>	<b>1.079.621</b>	<b>147.527</b>
2001/02	Hürriyet	263	908,721	123,678
		<b>263</b>	<b>908.721</b>	<b>123.678</b>
2001/01	Hürriyet	287	1,038,172	138,954
		<b>287</b>	<b>1.038.172</b>	<b>138.954</b>
2000/12	Hürriyet	241	869,847	116,394
		<b>241</b>	<b>869.847</b>	<b>116.394</b>
2000/11	Hürriyet	218	790,008	105,031
		<b>218</b>	<b>790.008</b>	<b>105.031</b>
2000/10	Hürriyet	232	867,714	116,786
		<b>232</b>	<b>867.714</b>	<b>116.786</b>
2000/09	Hürriyet	209	796,037	106,914
		<b>209</b>	<b>796.037</b>	<b>106.914</b>
2000/08	Hürriyet	193	683,871	91,399
		<b>193</b>	<b>683.871</b>	<b>91.399</b>
2000/07	Hürriyet	229	812,414	109,513
		<b>229</b>	<b>812.414</b>	<b>109.513</b>
2000/06	Hürriyet	207	742,655	101,563
		<b>207</b>	<b>742.655</b>	<b>101.563</b>
2000/05	Hürriyet	226	836,428	114,380
		<b>226</b>	<b>836.428</b>	<b>114.380</b>
2000/04	Hürriyet	216	739,587	100,761
		<b>216</b>	<b>739.587</b>	<b>100.761</b>
2000/03	Hürriyet	239	856,569	115,304
		<b>239</b>	<b>856.569</b>	<b>115.304</b>
2000/02	Hürriyet	246	928,692	123,101
		<b>246</b>	<b>928.692</b>	<b>123.101</b>
2000/01	Hürriyet	251	965,180	127,917
		<b>251</b>	<b>965.180</b>	<b>127.917</b>
1999/12	Hürriyet	253	945,044	127,399
		<b>253</b>	<b>945.044</b>	<b>127.399</b>
1999/11	Hürriyet	264	861,138	114,420
		<b>264</b>	<b>861.138</b>	<b>114.420</b>
1999/10	Hürriyet	243	827,605	109,491
		<b>243</b>	<b>827.605</b>	<b>109.491</b>
1999/09	Hürriyet	250	874,675	115,977
		<b>250</b>	<b>874.675</b>	<b>115.977</b>
1999/08	Hürriyet	253	792,112	105,069
		<b>253</b>	<b>792.112</b>	<b>105.069</b>
1999/07	Hürriyet	249	756,881	101,131

## Yıl ve Aya Göre Makale Sayıları

Yıl/Ay	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
		<b>249</b>	<b>756.881</b>	<b>101.131</b>
1999/06	Hürriyet	247	779,973	103,914
		<b>247</b>	<b>779.973</b>	<b>103.914</b>
1999/05	Hürriyet	266	884,652	118,097
		<b>266</b>	<b>884.652</b>	<b>118.097</b>
1999/04	Hürriyet	252	806,672	107,047
		<b>252</b>	<b>806.672</b>	<b>107.047</b>
1999/03	Hürriyet	253	768,432	101,802
		<b>253</b>	<b>768.432</b>	<b>101.802</b>
1999/02	Hürriyet	233	727,579	96,440
		<b>233</b>	<b>727.579</b>	<b>96.440</b>
1999/01	Hürriyet	262	780,091	103,587
		<b>262</b>	<b>780.091</b>	<b>103.587</b>
1998/12	Hürriyet	239	738,284	98,395
		<b>239</b>	<b>738.284</b>	<b>98.395</b>
1998/11	Hürriyet	229	742,070	98,589
		<b>229</b>	<b>742.070</b>	<b>98.589</b>
1998/10	Hürriyet	247	799,415	105,653
		<b>247</b>	<b>799.415</b>	<b>105.653</b>
1998/09	Hürriyet	175	567,436	75,143
		<b>175</b>	<b>567.436</b>	<b>75.143</b>
1998/08	Hürriyet	221	622,567	82,270
		<b>221</b>	<b>622.567</b>	<b>82.270</b>
1998/07	Hürriyet	230	659,704	87,390
		<b>230</b>	<b>659.704</b>	<b>87.390</b>
1998/06	Hürriyet	219	634,131	84,067
		<b>219</b>	<b>634.131</b>	<b>84.067</b>
1998/05	Hürriyet	205	589,180	78,108
		<b>205</b>	<b>589.180</b>	<b>78.108</b>
1998/04	Hürriyet	209	587,899	77,758
		<b>209</b>	<b>587.899</b>	<b>77.758</b>
1998/03	Hürriyet	223	637,064	84,128
		<b>223</b>	<b>637.064</b>	<b>84.128</b>
1998/02	Hürriyet	199	582,984	77,327
		<b>199</b>	<b>582.984</b>	<b>77.327</b>
1998/01	Hürriyet	222	719,134	95,060
		<b>222</b>	<b>719.134</b>	<b>95.060</b>
1997/12	Hürriyet	196	680,313	88,155
		<b>196</b>	<b>680.313</b>	<b>88.155</b>
1997/11	Hürriyet	182	598,225	77,377
		<b>182</b>	<b>598.225</b>	<b>77.377</b>
1997/10	Hürriyet	184	618,244	79,800
		<b>184</b>	<b>618.244</b>	<b>79.800</b>
1997/09	Hürriyet	191	646,687	83,545
		<b>191</b>	<b>646.687</b>	<b>83.545</b>
1997/08	Hürriyet	170	558,512	71,733
		<b>170</b>	<b>558.512</b>	<b>71.733</b>
1997/07	Hürriyet	145	469,024	60,581
		<b>145</b>	<b>469.024</b>	<b>60.581</b>
1905/06	Akşam	3	12,387	1,776
		<b>3</b>	<b>12.387</b>	<b>1.776</b>

## Yıl ve Aya Göre Makale Sayıları



## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
YALÇIN BAYER	Hürriyet	4,727	30,192,055	3,910,027
DOĞAN HIZLAN	Hürriyet	4,129	12,333,154	1,578,810
ERTUĞRUL ÖZKOK	Hürriyet	3,584	13,161,111	1,781,081
OKTAY EKŞİ	Hürriyet	3,509	9,741,346	1,284,847
BEKİR COŞKUN	Hürriyet	3,371	6,144,931	801,544
HADİ ULUENGİN	Hürriyet	2,685	10,149,268	1,365,122
BULENT DUZGİT	Hürriyet	2,575	33,077	16,186
İSMET BERKAN	Radikal	2,528	8,781,049	1,140,986
GUNGÖR URAS	Milliyet	2,445	7,956,313	1,034,052
MURAT YETKİN	Radikal	2,420	10,345,158	1,298,052
TÜRKER ALKAN	Radikal	2,410	7,187,892	919,287
GÜNGÖR MENGİ	Vatan	2,380	6,480,591	826,359
HAKKI DEVRİM	Radikal	2,315	11,259,138	1,431,599
OKAY GÖNENSİN	Vatan	2,299	6,046,507	789,224
SÜLEYMAN ATEŞ	Vatan	2,146	5,308,914	706,773
FİKRET BİLA	Milliyet	2,139	7,204,209	897,956
RUHAT MENGİ	Vatan	2,132	8,929,508	1,167,643
AYŞE ARMAN	Hürriyet	2,101	13,789,963	1,941,658
CÜNEYT ÜLSEVER	Hürriyet	2,087	6,254,304	849,729
TAHA AKYOL	Milliyet	2,011	6,271,558	776,486
MELİH AŞIK	Milliyet	1,990	8,796,117	1,136,110
YALÇIN DOĞAN	Hürriyet	1,980	6,887,335	922,279
LATİF DEMİRCİ	Hürriyet	1,960	10,483	8,007
ÖZDEMİR İNCE	Hürriyet	1,941	6,161,614	796,835
HASAN PULUR	Milliyet	1,917	5,207,643	663,935
GÜNERİ CİVAOĞLU	Milliyet	1,882	6,863,504	839,251
ŞUKRU KIZILOT	Hürriyet	1,861	6,649,157	913,844
MEHMET ALİ BİRAND	Hürriyet	1,857	9,895,886	1,283,976
ÇETİN ALTAN	Milliyet	1,848	7,785,182	990,415
ENİS BERBEROĞLU	Hürriyet	1,847	5,574,943	751,567
FERAİ TINÇ	Hürriyet	1,840	5,918,222	780,557
MERAL TAMER	Milliyet	1,820	5,998,992	784,957
ERDAL SAĞLAM	Hürriyet	1,808	7,114,333	917,012
HASAN CEMAL	Milliyet	1,808	7,003,721	879,889
DERYA SAZAK	Milliyet	1,784	4,698,023	573,843
ABBAS GÜÇLÜ	Milliyet	1,740	6,404,731	848,645
MUSTAFA MUTLU	Vatan	1,712	6,663,116	874,423
MEHMET ALİ BİRAND	Milliyet	1,646	8,455,931	1,054,280
ZULFU LİVANELİ	Vatan	1,633	4,265,385	567,787
SELAHATTİN DUMAN	Vatan	1,577	8,809,093	1,171,698
HAŞMET BABAOĞLU	Vatan	1,554	6,260,602	835,967
HALUK ŞAHİN	Radikal	1,536	4,616,975	583,424
NECATİ DOĞRU	Vatan	1,488	4,786,216	619,287
SAMİ KOHEN	Milliyet	1,463	4,796,057	612,761
BURHAN AYERİ	Akşam	1,459	6,010,181	832,428
TUĞÇE BARAN	Vatan	1,400	4,167,527	587,066
DENİZ GÖKÇE	Akşam	1,396	6,105,315	873,213
CAN DÜNDAR	Milliyet	1,376	4,732,344	590,449
KANAT ATKAYA	Hürriyet	1,374	4,751,090	645,009
GİLA BENMAYOR	Hürriyet	1,341	5,574,940	716,657
SAHRAP SOYSAL	Hürriyet	1,336	4,926,714	711,681

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
HURŞİT GÜNEŞ	Milliyet	1,314	4,023,047	535,943
İCLAL AYDIN	Vatan	1,274	4,000,618	543,064
NUR ÇINTAY A.	Radikal	1,242	4,837,927	646,858
KUBİLAY KESKİN	Hürriyet	1,242	4,891,062	642,477
MEHMET ALİ KIŞLALI	Radikal	1,215	4,691,579	568,012
AHMET HAKAN	Hürriyet	1,214	4,558,206	604,979
VAHAP MUNYAR	Hürriyet	1,213	5,149,317	662,361
CENGİZ SEMERCİOĞLU	Hürriyet	1,207	4,491,431	607,624
SERDAR TURGUT	Akşam	1,201	5,421,131	775,649
MAHİR EĞİLMEZ	Radikal	1,195	4,158,611	556,022
MEHMET Y. YILMAZ	Hürriyet	1,182	5,071,630	657,315
FUNDA ÖZKAN	Radikal	1,173	5,044,307	627,423
ERKAN ÇELEBİ	Hürriyet	1,146	4,854,589	628,902
UĞUR GÜRSES	Radikal	1,143	3,754,029	475,517
ECE TEMELKURAN	Milliyet	1,096	3,900,094	510,595
RAUF TAMER	Hürriyet	1,024	1,439,154	203,134
SERPİL YILMAZ	Milliyet	1,007	3,565,776	452,744
MEHMET TEZKAN	Vatan	993	2,861,478	388,835
PERİHAN MAĞDEN	Radikal	964	4,242,511	532,745
ORAY EĞİN	Akşam	936	4,715,118	660,244
SEVİN OKYAY	Radikal	858	3,176,609	426,287
İSMAİL KÜÇÜKKAYA	Akşam	848	3,795,651	517,669
ASAF SAVAŞ AKAT	Vatan	848	2,369,961	314,755
REHA MUHTAR	Vatan	836	3,783,330	488,911
ALİ SAYDAM	Akşam	811	3,969,268	555,970
CAN ATAKLI	Vatan	809	4,766,675	647,828
NURAY MERT	Radikal	800	3,094,970	403,579
YAMAN TÖRÜNER	Milliyet	798	2,343,317	297,193
TARHAN ERDEM	Radikal	793	2,504,344	303,507
ERMAN TOROĞLU	Hürriyet	777	3,224,482	448,747
AHMET VARDAR	Vatan	774	2,521,658	331,973
KORKMAZ İLKORUR	Radikal	761	2,988,471	385,784
MEHMET Y. YILMAZ	Milliyet	749	2,522,404	319,397
METİN MUNİR	Milliyet	743	2,359,056	304,458
OSMAN ULAGAY	Milliyet	711	2,988,058	388,993
DİLEK ÖNDER	Vatan	700	1,921,640	274,112
SALİH NEFTÇİ	Vatan	687	2,343,166	316,695
MİNE G. KIRIKKANAT	Vatan	684	2,562,092	335,353
ŞUKRÜ KÜÇÜKŞAHİN	Hürriyet	675	2,049,540	273,610
KORKUT GÖZE	Hürriyet	656	1,820,004	248,712
CENGİZ ÇANDAR	Hürriyet	651	4,113,098	525,850
SEMİH İDİZ	Milliyet	646	2,239,835	284,502
YILMAZ ÖZDİL	Hürriyet	637	1,052,669	140,698
MEMET GÜLER	Vatan	627	2,459,678	344,053
SEYFETTİN GÜRSEL	Vatan	599	1,978,928	258,523
ONUR BAŞTÜRK	Hürriyet	597	2,136,168	304,691
HASAN CELAL GÜZEL	Radikal	595	2,586,332	317,606
EBRU DREW	Vatan	566	2,076,241	289,586
NECATİ ÇETİNER	Milliyet	543	529,536	66,924
AYŞE ÖZGÜN	Vatan	542	1,897,928	252,005
ERDAL GÜVEN	Radikal	536	2,146,877	273,079

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
İLHAN SÖYLER	Hürriyet	534	1,033,626	144,493
BİLAL ÇETİN	Vatan	526	1,760,786	232,177
RUŞEN ÇAKIR	Vatan	521	1,971,277	258,026
UĞUR CEBECİ	Hürriyet	516	4,465,452	590,328
YİĞİT BULUT	Vatan	509	1,807,009	240,657
METİN MUNİR	Vatan	503	1,438,269	188,117
ALİ AĞAOĞLU	Vatan	492	1,442,948	193,270
SÜHEYL BATUM	Vatan	484	1,815,351	239,059
TUNA KİREMITÇİ	Vatan	470	945,557	126,934
FATİH ÖZATAY	Radikal	462	1,796,188	234,486
YONCA TOKBAŞ	Hürriyet	459	1,389,404	199,341
MURAT BİRSEL	Vatan	449	1,428,254	190,977
DENİZ SİPAHI	Milliyet	442	1,636,248	213,438
MUSTAFA AYSAN	Radikal	415	1,586,582	191,441
NİLÜFER PAZVANTOĞLU	Hürriyet	413	2,038,645	268,745
İBRAHİM ALTINSAY	Radikal	412	1,912,951	250,331
BARAN TUNCER	Radikal	407	1,591,415	202,705
GÜNDÜZ VASSAF	Radikal	404	1,137,019	137,375
TAMER HEPER	Milliyet	402	683,444	92,027
EROL KATIRCIOĞLU	Radikal	402	1,317,718	173,194
M. SERDAR KUZULOĞLU	Radikal	398	1,773,828	233,021
ASENA ÖZKAN	Radikal	397	1,101,322	145,974
AYDIN AYAYDIN	Vatan	395	1,395,147	186,747
SERHAN ADA	Radikal	384	1,096,989	126,882
METİN ERCAN	Radikal	383	1,440,051	181,524
RAHMİ TURAN	Hürriyet	383	1,210,701	161,447
YILDIRIM TÜRKER	Radikal	375	2,698,287	338,450
ÖZGÜR KAYNAR	Milliyet	375	746,385	95,529
NAİL GÜRELİ	Milliyet	373	973,800	124,701
SELİM SOYDAN (SPOR)	Vatan	372	838,455	116,043
FATİH ÖZGÜVEN	Radikal	363	1,325,994	174,819
ALTAN TANRIKULU	Hürriyet	356	1,226,883	166,286
ALİ EYÜBOĞLU	Milliyet	352	1,576,722	214,093
TOLGA AKYILDIZ	Hürriyet	351	1,134,551	155,252
GÖKMEN ÖZDEMİR (SPOR)	Vatan	349	965,072	128,255
ALTAN ÖYMEN	Radikal	348	2,508,117	311,853
ONUR KUMBARACIBAŞI	Vatan	337	1,182,804	141,906
DOĞAN KOLOĞLU (SPOR)	Vatan	335	851,409	117,587
ZEKİ ÇOL (SPOR)	Vatan	330	1,341,191	180,234
NORA ROMİ	Hürriyet	319	2,410,612	328,669
DOĞAN HEPER	Milliyet	313	1,560,790	203,101
CENGİZ SEMERCİOĞLU	Vatan	311	707,889	99,057
SERDAR AKINAN	Akşam	303	978,022	138,615
SUAT TAŞPINAR	Radikal	297	1,245,481	165,566
FAİK ÖZTRAK	Milliyet	296	1,068,519	135,353
FERYAL PERE	Radikal	296	946,221	124,121
SANLI SARIALIOĞLU	Vatan	294	709,793	98,054
EROL ÇEVİKÇE	Vatan	288	1,170,026	153,371
NAGEHAN ALÇI	Akşam	286	1,020,420	148,180
RIDVAN DİLMEN	Milliyet	284	439,939	59,499
ERCAN GUVEN	Milliyet	276	822,154	107,095

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
MUTLU TÖNBEKİCİ	Vatan	274	890,583	127,987
MUSTAFA DOLU	Akşam	263	1,189,703	165,941
SİNA KOLOĞLU	Milliyet	262	659,504	92,156
ARMAN KIRIM	Hürriyet	261	2,179,337	300,621
MEHVEŞ EVİN	Akşam	260	1,045,969	146,461
SEVİM GOZAY	Akşam	259	937,034	137,267
FİGEN BATUR	Hürriyet	254	1,700,579	234,145
KEMAL YILMAZ	Radikal	254	810,891	108,167
HAKAN YAŞAR (SPOR)	Vatan	252	799,678	112,606
MEHMET DEMİRKOL	Milliyet	250	834,386	114,823
CENGİZ AKTAR	Vatan	247	938,047	121,693
DOĞAN HAKYEMEZ	Hürriyet	246	557,622	74,425
AYŞE KARABAT	Radikal	243	880,381	114,899
ELİF ERGU	Vatan	233	882,549	118,425
DİLARA KOÇAK	Milliyet	232	993,586	133,718
YASEMİN CONGAR	Milliyet	230	1,245,961	155,727
MEHMET BARLAS	Milliyet	229	958,636	121,068
YORGO KIRBAKİ	Hürriyet	227	1,293,727	173,685
MERİÇ ENERCAN	Hürriyet	225	478,746	65,828
UĞUR MELEKE	Milliyet	224	866,615	115,611
MELİHA OKUR	Milliyet	214	613,197	81,404
MELİS ALPHAN	Milliyet	212	934,619	123,977
CÜNEYT TANMAN (SPOR)	Vatan	210	507,670	70,562
TALAY ERKER (SPOR)	Vatan	207	702,148	92,091
İSKENDER ARUOBA	Radikal	203	806,766	108,089
AYÇA ŞEN	Radikal	203	808,841	111,304
YAVUZ SEMERCİ	Vatan	201	714,209	93,746
AVNİ ÖZGÜREL	Radikal	199	855,824	107,666
BANU K. YELKOVAN	Radikal	199	634,573	84,628
DENİZ ARMAN	Vatan	196	582,952	75,732
YILMAZ ÇETİNER	Milliyet	195	633,233	84,070
CEYDA KARAN	Radikal	195	914,953	115,913
HAMDİ TÜRKMEN	Milliyet	188	637,892	86,126
FEYZİ HEPŞENKAL	Milliyet	187	429,745	59,498
MURAT YETKİN	Radikal	185	849,336	108,980
HAŞMET BABAOĞLU	Vatan	181	424,787	57,853
TANER BERKSOY	Radikal	179	746,012	95,297
KAAN KURAL (SPOR)	Vatan	177	438,885	62,334
ATILGAN BAYAR	Akşam	175	555,613	75,946
İSMET BERKAN	Radikal	173	630,151	83,927
KADRİ GÜRSEL	Milliyet	172	715,380	89,631
TÜRKER ALKAN	Radikal	171	475,258	61,894
ATILLA GÖKÇE	Milliyet	170	716,707	93,905
UĞUR VARDAN	Radikal	169	620,505	82,368
TUNCAY ÖZKAN	Milliyet	168	753,726	98,524
SEVİL ATASOY	Hürriyet	168	1,911,399	246,371
NİHAT SIRDAR	Vatan	167	718,176	94,873
YÜKSEL AYTUĞ	Vatan	166	910,217	119,949
HAKKI DEVRİM	Radikal	165	927,997	120,452
VEDAT OKYAR	Vatan	165	358,189	51,989
ORAL ÇALIŞLAR	Radikal	163	665,374	84,498



## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
EYÜP CAN	Hürriyet	160	755,070	102,691
HABER DETAY	Vatan	160	532,870	71,634
VEDAT MILOR	Milliyet	159	826,391	116,623
EMRE ÖZPEYNİRCİ	Hürriyet	156	971,772	130,723
DR. HASAN INSEL	Milliyet	154	691,617	89,851
AKIF BEKİ	Radikal	150	601,999	79,463
NAMIK KEMAL ZEYBEK	Radikal	149	480,956	61,360
YİĞİTER ULUĞ (SPOR)	Vatan	149	505,035	65,734
TUĞÇE TATARI	Akşam	148	835,408	117,981
ORAL ÇALIŞLAR	Radikal	143	629,719	79,852
KAAN SEZYUM	Radikal	141	775,938	107,602
CENGİZ ÇANDAR	Radikal	140	921,707	117,336
CEMAL ERSEN	Milliyet	139	567,757	74,733
İSMAİL ER	Hürriyet	139	278,031	37,166
DUYGU ASENA	Vatan	137	466,762	63,790
SONER YALÇIN	Hürriyet	136	1,606,448	206,514
CENGİZ ÇANDAR	Radikal	133	871,542	110,854
BAĞIŞ ERTEN	Radikal	128	450,187	61,637
GAZİ ERÇEL	Vatan	126	366,516	46,987
KAYA ÇİLİNGİROĞLU	Vatan	126	319,758	44,617
ASU MARO	Milliyet	122	473,148	64,312
TOLGA TURGUT	Akşam	121	689,835	94,737
SUAT KILIÇ	Vatan	119	398,454	51,034
ÇAĞDAŞ ERTUNA	Milliyet	118	489,370	67,206
EFKAN BUCAK	Radikal	114	292,415	38,486
BÜLENT AKARCALI	Vatan	114	441,072	56,794
HALUK ŞAHİN	Radikal	112	314,313	40,941
HASAN CELAL GÜZEL	Radikal	111	481,360	59,970
METİN TAŞ-SEZGİN ÖZCAN	Akşam	109	737,427	99,568
NİHAL KEMALOĞLU	Akşam	108	374,592	50,278
BULENT BUDA	Milliyet	107	297,177	38,803
HAKAN YAŞAR	Vatan	107	370,006	52,290
METİN TOKAT	Milliyet	103	359,125	44,471
SADIK GÜLTEKİN	Vatan	102	361,971	46,969
HİKMET BİLA	Vatan	101	342,117	44,456
NUR ÇINTAY A.	Radikal	99	391,586	53,158
NİLAY YILMAZ	Milliyet	99	560,823	74,490
TAYFUN BAYINDIR (SPOR)	Vatan	99	263,951	36,048
SERHAN BALI	Radikal	98	487,764	61,958
RIZA TÜRMEN	Milliyet	98	382,742	47,802
ERDOĞAN ŞENAY	Milliyet	94	217,889	28,280
FATİH ÖZATAY	Radikal	94	347,481	46,305
ENGİN ÖNEN	Milliyet	94	219,589	28,551
MEHMET ALİ KIŞLALI	Radikal	90	343,870	42,538
UĞUR GÜRSES	Radikal	90	339,625	44,418
MAHFİ EĞİLMEZ	Radikal	89	313,152	41,762
AHU ANTMEN	Radikal	88	354,129	44,968
ADAM ADAM	Hürriyet	87	225,386	32,580
SEVİN OKYAY	Radikal	86	355,137	48,139
TUBA AKYOL	Milliyet	85	435,802	59,055
TAYFUN DEVECİOĞLU	Vatan	85	360,250	47,505

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
GÖKMEN ÖZDEMİR	Vatan	84	226,694	30,420
PINAR ÖGÜNÇ	Radikal	84	282,274	36,814
RIFAT SARICAOĞLU	Vatan	84	285,472	37,396
FUNDA ÖZKAN	Radikal	81	386,272	50,017
NIHAT SIRDAR	Akşam	80	194,910	28,804
SERGEN YALÇIN	Vatan	80	268,990	37,174
CEMAL SAYDAM	Milliyet	79	175,371	24,726
MENDERES ÖZEL	Milliyet	78	312,322	41,054
YAVUZ KOCAOMER	Milliyet	78	160,445	20,656
SELİM TÜRSEN	Milliyet	78	316,567	41,655
ALİ RIZA KARDÜZ	Milliyet	77	292,745	39,178
AHMET İNAM	Akşam	76	354,744	47,294
NIHAT DEMİRKOL	Milliyet	76	264,031	34,257
BANU ŞEN	Milliyet	76	245,877	32,186
BİLGİN GÖKBERK	Milliyet	76	412,256	54,762
MEVLÜT TEZEL	Hürriyet	75	302,065	41,057
ÇAĞLAYAN BILGEN	Milliyet	73	375,769	49,626
SABANUR KIRAÇ	Milliyet	73	259,187	35,786
AYÇA ŞEN	Radikal	73	263,464	36,608
ELİF ERGU -	Vatan	72	466,539	63,584
YALVAÇ URAL	Milliyet	70	222,012	29,748
HASAN ANAMUR	Radikal	68	280,874	35,207
REŞAT KUTUCULAR	Milliyet	68	227,483	30,692
MEHMET YALÇIN	Milliyet	68	318,653	41,957
ERAY AYTİMUR	Radikal	67	274,360	37,056
ERKAN GOLOĞLU	Radikal	66	229,654	30,507
ERCAN İNAN	Vatan	66	304,499	41,308
İLBER ORTAYLI	Milliyet	65	442,690	57,271
METİN TOKER	Milliyet	64	213,514	27,708
YELİZ ARAS	Milliyet	64	308,163	39,984
FERHAN İSTANBULLU	Radikal	64	265,943	33,953
BAHAR AKBAŞ	Milliyet	63	76,007	11,003
DR.ESER ALPTEKİN	Milliyet	63	298,755	38,901
HUSNÜ MAHALLİ	Akşam	62	292,956	41,297
UNAL ÖZUAK (SPOR)	Vatan	61	143,624	19,015
PROF. DR. E. MURAT	Milliyet	61	374,335	50,039
TARHAN ERDEM	Radikal	61	183,031	22,548
ERKAN GOLOĞLU	Radikal	60	212,529	28,332
NAMİK KEMAL ZEYBEK	Radikal	60	179,401	23,367
ERAY AYTİMUR	Radikal	59	263,608	35,151
BÜLENT YAVUZ	Akşam	58	146,229	21,658
ÜMİT AVCI	Milliyet	58	120,794	16,332
NURAY MERT	Radikal	56	207,744	27,145
YILDIRIM TÜRKER	Radikal	56	315,868	39,759
ALAATTİN METİN	Akşam	55	184,753	26,759
TANIL BORA	Radikal	55	236,661	29,770
BANU GÜVEN	Radikal	55	246,425	32,736
TURGAY ŞEREN	Akşam	52	124,672	19,143
FERİDUN NİĞDELİOĞLU	Vatan	50	115,331	15,383
PROF.DR. İBRAHİM ADNAN	Milliyet	50	242,456	31,079
MUSTAFA DENİZLİ	Milliyet	49	133,905	18,159

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
NAİM DİLMENER	Milliyet	49	206,561	27,882
ERDOĞAN SAĞLAM	Milliyet	49	165,004	21,119
KENAN ONUK (SPOR)	Vatan	48	112,233	14,919
SEZGİN ÖZCAN	Vatan	48	132,962	17,614
MERT AYDIN (SPOR)	Vatan	47	156,550	21,028
ABDULLAH MALKOÇ	Milliyet	47	65,501	8,787
KADİR ÇETİNÇALI (SPOR)	Vatan	47	104,840	14,230
BU ÜLKEDE YAŞAMAK	Vatan	46	221,905	29,823
BAHİRİ HAVADIR	Akşam	46	161,797	23,518
KADİR ÇETİNÇALI	Vatan	45	99,523	13,623
ALİ AYDIN (SPOR)	Vatan	45	141,707	18,935
AVNİ ÖZGÜREL	Radikal	44	218,962	27,673
ALİ NAIL KUBALI	Milliyet	43	116,174	15,067
DEFNE ALPHAN	Milliyet	43	207,859	27,835
MEHMET TEZKAN (SPOR)	Vatan	43	94,434	13,372
DEVRİM SEVİMAY	Vatan	43	240,067	33,017
CEMALETTİN TAŞÇI	Akşam	42	153,203	21,179
NİLAY ÖRNEK	Milliyet	41	181,282	24,537
SELİM SOYDAN	Vatan	40	87,693	12,276
SEDAT ERGİN	Milliyet	40	237,043	30,041
ALTAN ÖYMEN	Radikal	40	299,456	37,485
GÜNSELİ ÖNAL	Milliyet	40	163,096	21,119
KORKMAZ İLKORUR	Radikal	39	167,634	22,008
ÖMER GÜVENÇ	Akşam	39	97,061	14,597
ŞANSAL BÜYÜKA	Akşam	38	131,856	18,805
KAAN SEZYUM	Radikal	38	216,681	30,138
MURAT MURATHANOĞLU	Vatan	38	74,424	10,347
ALİ ULUSOY	Akşam	38	141,584	19,710
SÜHA UMAR	Milliyet	38	141,567	18,849
LÜTFU ÖZEL (SPOR)	Vatan	37	74,313	10,006
ELİF AKTUĞ	Akşam	37	198,114	28,277
FAİK ÇETİNER (SPOR)	Vatan	37	85,992	11,887
NECMİYE ALPAY	Radikal	37	209,826	27,013
TÜRE ÖZÇELİK	Akşam	36	167,546	23,663
NEDİM ATILLA	Akşam	36	214,174	29,439
İ.HÜSEYİN YILDIZ	Akşam	36	151,920	21,116
DR. MURAT KINIKOĞLU	Akşam	36	154,471	21,343
ASLI AYDINTAŞBAŞ	Akşam	36	143,396	20,084
SERFİRAZ ERGUN	Milliyet	36	156,023	20,719
AHMET TALİMCİLER	Milliyet	35	92,615	11,668
ESİN GEDİK	Akşam	35	125,686	17,690
DENİZ GÜÇER	Akşam	35	118,114	16,545
ALİ İHSAN KARACAN	Vatan	35	128,644	16,486
EFKAN BUCAK	Radikal	35	91,330	12,021
RİFAT SARICAOĞLU	Vatan	34	104,757	13,930
C. HAKAN ARSLAN	Vatan	34	104,789	13,573
FEVZİ AKSOY	Milliyet	34	40,647	5,482
İBRAHİM ALTINSAY	Radikal	33	216,910	28,741
DENİZ GÜÇER	Vatan	33	81,370	10,851
GÜLAY AFŞAR	Vatan	33	100,742	13,405
GURKAN HACİR	Akşam	33	292,620	39,217

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
BENER ONAR	Radikal	32	90,515	12,090
TANIL BORA	Radikal	32	148,836	18,800
DOĞAN SARİBEYOĞLU	Akşam	32	86,293	12,129
GÖKHAN TÜRE	Milliyet	32	67,656	9,254
M. NEDİM KOCA (SPOR)	Vatan	32	174,128	23,944
ASENA ÖZKAN	Radikal	32	88,568	11,737
FATİH TÜRKMEÑOĞLU	Milliyet	32	149,738	20,387
GÜNDÜZ VASSAF	Radikal	31	92,372	11,272
YİĞİT KARAAHMET	Akşam	31	154,617	22,358
DENİZ ZEYREK	Radikal	31	111,841	14,019
METE YAYLALI	Akşam	31	74,097	11,472
CEYDA KARAN	Radikal	31	152,156	19,084
CENGİZ ÖZDEMİR	Vatan	31	94,719	12,290
İSKENDER ARUOBA	Radikal	31	123,394	16,662
SERAP GÜZEL	Radikal	30	99,477	13,460
HIZIR TÜZEL	Radikal	30	93,046	12,566
KEMAL YILMAZ	Radikal	30	108,054	14,625
BARAN TUNCER	Radikal	30	120,814	15,641
ECMEL AYRAL	Milliyet	30	113,315	15,079
GÜLAY GÖKTÜRK	Vatan	30	111,346	14,493
İDİL TÜRKMEÑOĞLU	Milliyet	30	112,067	14,152
YAPRAK ÖZER	Milliyet	30	119,980	15,754
FATİH ÖZGÜVEN	Radikal	30	110,210	14,672
FERYAL PERE	Radikal	30	89,873	11,817
FATOŞ KARAHASAN	Milliyet	29	148,728	18,809
M. SERDAR KUZULOĞLU	Radikal	29	140,175	18,579
NECMİYE ALPAY	Radikal	29	165,772	21,418
AHMET TURHAN ALTINER	Milliyet	29	111,190	15,673
SERHAN ADA	Radikal	28	89,602	11,871
TAYFUN TOPAL	Akşam	28	111,961	15,816
ERSİN TOKGÖZ	Radikal	28	98,300	12,963
TANER BERKSOY	Radikal	28	113,737	14,624
FERHAN İSTANBULLU	Radikal	28	122,807	15,709
BUĞRA ACAR	Vatan	28	120,212	16,541
İBRAHİM SETEN (SPOR)	Vatan	28	118,739	15,663
AYŞEGÜL SÖNMEZ	Radikal	27	197,606	26,123
DENİZ ÜLKE ARİBOĞAN	Akşam	27	113,854	15,666
BANU K. YELKOVAN	Radikal	27	99,917	13,220
ENDER SARAÇ	Vatan	26	95,677	13,717
AYŞE ÖZGÜN RAMAZAN	Vatan	26	107,025	13,909
SÜLEYMAN ATEŞ	Vatan	26	141,158	18,483
EMİNE BEDER	Vatan	26	80,311	11,765
ALİ HAKAN	Vatan	26	53,826	7,205
SERHAN BALI	Radikal	26	139,692	17,824
BARIŞ YENİLOĞLU	Milliyet	26	68,687	8,869
HALİL ÖZER	Milliyet	25	51,810	7,357
ÖZGÜR ÖZGÜRENGİN	Milliyet	25	55,038	7,524
SUAT TAŞPINAR	Radikal	25	101,235	13,502
A. ESRA YALAZAN	Milliyet	25	122,078	15,493
MAHGÜDÜK	Vatan	23	126,510	17,015
BANU GUVEN	Radikal	23	93,171	12,412

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
ERDAL GÜVEN	Radikal	23	102,074	13,126
TAYFUN BAYINDIR	Vatan	23	50,494	6,960
TURAN YÜCEL (SPOR)	Vatan	22	69,531	9,280
AYŞE KARABAT	Radikal	22	81,858	10,576
İPEK CEM	Milliyet	22	65,938	8,635
İBRAHİM SETEN	Vatan	22	107,494	14,176
OKAY GÖNENSİN (OKUR)	Vatan	20	91,691	11,732
METİN ERCAN	Radikal	20	83,523	10,433
BERRİN ÇANKAT	Milliyet	20	64,350	8,436
ADNAN ONARAN	Vatan	19	50,821	6,998
SİBEL KAHRAMAN	Milliyet	18	51,686	6,713
SİNAN VARDAR (SPOR)	Vatan	18	41,862	5,532
YEMEN EKŞİOĞLU	Vatan	18	39,160	5,362
KARTAL YİĞİT (SPOR)	Vatan	18	39,878	5,329
UĞUR VARDAN	Radikal	18	105,515	14,077
ERSİN TOKGÖZ	Radikal	18	84,126	10,982
SERGEN YALÇIN (SPOR)	Vatan	17	65,707	9,157
AYŞEGÜL SÖNMEZ	Radikal	17	145,028	19,215
LADY LEZZET	Akşam	17	61,828	8,878
YILMAZ ARGÜDEN	Milliyet	17	59,655	7,146
CEVAT BABUNA	Vatan	16	44,905	5,802
CEM ERCİYES	Radikal	16	54,656	7,161
MİRCEA LUCESCU (SPOR)	Vatan	16	41,875	5,642
GAZANFER ÖZCAN	Vatan	16	46,462	6,434
KAMİL MUTLUER	Vatan	15	48,546	5,964
MUSTAFA ÖZYÜREK	Milliyet	15	58,790	7,381
MEHMET KENAN KAYA	Akşam	15	102,492	14,305
AHU ANTMEN	Radikal	15	63,029	7,896
DÜNYA BALTACIOĞLU	Vatan	14	28,828	3,849
ŞEBNEM ŞENYENER	Milliyet	14	59,251	7,581
İPEK YEZDANİ	Milliyet	14	51,919	6,917
BİLAL MEŞE	Milliyet	13	23,691	3,216
BORA BAĞCIBAŞI	Milliyet	13	15,849	2,128
JOOST LAGENDIJK	Radikal	13	50,092	6,504
MELTEM İNAN	Milliyet	13	60,041	8,000
FİLİZ AYGÜNDÜZ	Milliyet	13	33,788	4,487
CENGİZ SEMERCİOĞLU	Vatan	12	23,159	3,187
BAĞIŞ ERTEN	Radikal	12	50,437	6,907
EROL YARAŞ	Milliyet	12	55,342	7,512
SEVİN OKYAY	Milliyet	12	49,804	6,701
NUR VERGİN	Vatan	11	48,172	6,299
MURAT BELGE	Milliyet	11	49,020	6,437
NECMİYE ALPAY	Milliyet	11	48,694	6,584
HARUN MUSLU (SPOR)	Vatan	11	22,801	3,027
AVNİ BAŞOĞLU	Akşam	10	22,082	3,404
CEM ERCİYES	Radikal	10	33,693	4,418
KAAN KURAL	Vatan	10	30,217	4,276
SİNAN ENGİN (SPOR)	Vatan	9	22,873	3,158
BÜLENT KORKMAZ	Vatan	9	21,604	2,948
HAYRİ ÜLGEN (SPOR)	Vatan	8	18,894	2,590
AKİF BEKİ	Radikal	8	39,786	5,248

## YAZARLARA GÖRE SIRALI LİSTE

YAZAR	KAYNAK	MAKALE SAYISI	MAKALE BOYUTU	KELİME SAYISI
BENER ONAR	Radikal	8	21,406	2,876
1000. GÜN RÖPORTAJLARI	Vatan	8	40,978	5,676
HIZIR TUZEL	Radikal	8	24,927	3,389
BERAL MADRA	Radikal	7	46,399	5,885
OGUZ BUKTEL	Vatan	7	23,560	3,205
BERAL MADRA	Radikal	7	44,120	5,638
İBRAHİM KOÇYİĞİT	Radikal	6	16,530	2,194
BUĞRA ACAR (SPOR)	Vatan	6	22,765	3,064
GANI MUJDE	Milliyet	6	22,007	2,959
BARIŞ TUT (SPOR)	Vatan	6	17,148	2,203
FUSUN AKATLI	Milliyet	6	25,384	3,137
MERT AYDIN	Vatan	6	16,274	2,197
SİNAN ULGEN	Milliyet	6	19,138	2,495
İBRAHİM KOÇYİĞİT	Radikal	5	12,935	1,664
ÖZCAN YÜKSEK	Milliyet	5	19,001	2,533
BÜLENT HASDEMİR	Milliyet	5	19,365	2,312
SANEM ALTAN (SPOR)	Vatan	4	9,415	1,268
TEVFİK YENER	Vatan	4	12,605	1,648
ERSUN YANAL	Vatan	4	11,665	1,586
MAHİR DİKEN	Vatan	4	15,751	2,106
FERİDUN NİĞDELIOĞLU	Vatan	3	6,947	916
R.HAKAN KIRKOĞLU	Milliyet	3	7,985	1,005
RAGİP TEKİN	Milliyet	3	3,546	463
DENİZ ZEYREK	Radikal	3	10,857	1,341
İLKER KILIÇ (SPOR)	Vatan	3	7,431	1,032
BARIŞ KOCAOĞLU	Akşam	3	7,850	1,163
SABETAY VAROL	Milliyet	2	15,104	1,944
CHRIS PATTEN	Radikal	2	10,700	1,355
LEYLA UMAR	Vatan	2	5,176	673
KEMAL YILDIRIM (SPOR)	Vatan	2	3,621	471
MUTLU TOMBEKİCİ	Vatan	2	5,181	687
DANI RODRİK	Radikal	2	12,184	1,556
HASAN ANAMUR	Radikal	1	4,335	548
JOOST LAGENDIJK	Radikal	1	3,712	479
LÜTFU ÖZEL	Vatan	1	1,742	236
ALİ GÜMEN	Vatan	1	2,057	273
SERAP GÜZEL	Radikal	1	3,804	504
DANI RODRİK	Radikal	1	6,562	845
REHA MUHTAR (SPOR)	Vatan	1	2,988	407
ÖNDER GÜLEN (SPOR)	Vatan	1	1,919	262
METİN GÖRGÜN	Vatan	1	1,731	230
CHRIS PATTEN	Radikal	1	5,181	652
ZAFER MUTLU	Vatan	1	2,537	346
PINAR ÖGÜNÇ	Radikal	1	3,633	475
CEM DİZDAR	Milliyet	1	2,660	341
EROL KATIRCIOĞLU	Radikal	1	3,105	392
VİNCENT BOUVARD	Milliyet	1	3,395	437
ATILLA GÜNER	Vatan	1	3,575	460