SCHOLARLY DATABASE

Cyberinfrastructure for Network Science Center, SLIS, Indiana University, Bloomington

- Established in 2008 to provide scholars with sets of public data that are easy to find, acquire, understand and use
- Four major data sets are available
  - US Patents
  - MEDLINE publications
  - NIH Grants
  - NSF Grants
- Over 25 million total records

SCHOLARLY DATABASE

Cyberinfrastructure for Network Science Center, SLIS, Indiana University, Bloomington

- Allows for federated searching of these datasets by creator, title, abstract and year

Search | Edit Profile | Admin | About | Logout

Search

Creators:

Title:

Abstract: RNAi

Full Text:

First Year: 1898

Last Year: 2008

☑ **Medline** (1898 - 2008)
☑ **NIH** (1961 - 2002)
☑ **NSF** (1985 - 2004)
☑ **USPTO** (1976 - 2007)

Search

Browse Results

Your search returned 7,584 results in 8.776 seconds. Download

Total results per database: NIH: 711, MEDLINE: 6,746, USPTO: 20, NSF: 107.

Results 1 through 20.

Next>>

Source	Authors/Creators	Year	Title	Score (out of 3.07)
MEDLINE	Grishok	2005	RNAi mechanisms in Caenorhabditis elegans.	3.07
USPTO	Mello et al.	2007	RNA interference pathway genes as tools for targeted genetic interference	3.01
MEDLINE	Berkhout and Haasnoot	2006	The interplay between virus infection and the cellular RNA interference machinery.	2.89
MEDLINE	Thompson and Viney	2008	Two hypotheses to explain why RNA interference does not work in animal parasitic nematodes.	2.88
MEDLINE	Galili and Tang	2004	Using RNAi to improve plant nutritional value: from mechanism to application.	2.85
MEDLINE	Berkhout and de Vries	2008	RNAi suppressors encoded by pathogenic human viruses.	2.85
MEDLINE	Li et al.	2005	[Experimental strategies of the application of RNAi technique in mammalian cells]	2.70
MEDLINE	Chiang and Lee	2008	RNA interference: new therapeutics in allergic diseases.	2.70
MEDLINE	Kim and Rossi	2009	Overview of gene silencing by RNA interference.	2.70

cyberinfrastructure for
NETWORK SCIENCE CENTER
cns.iu.edu

Browse Results

Results 1 through 20.

Next>>

Source	Authors/Creators	Year	Title	Score (out of 3.07)
MEDLINE	Grishok	2005	RNAi mechanisms in Caenorhabditis elegans.	3.07
USPTO	Mello et al.	2007	RNA interference pathway genes as tools for targeted genetic interference	3.01
MEDLINE	Berkhout and Haasnoot	2006	The interplay between virus infection and the cellular RNA interference machinery.	2.89
MEDLINE	Thompson and Viney	2008	Two hypotheses to explain why RNA interference does not work in animal parasitic nematodes.	2.88
MEDLINE	Galili and Tang	2004	Using RNAi to improve plant nutritional value: from mechanism to application.	2.85
MEDLINE	Berkhout and de Vries	2008	RNAi suppressors encoded by pathogenic human viruses.	2.85
MEDLINE	Li et al.	2005	[Experimental strategies of the application of RNAi technique in mammalian cells]	2.70
MEDLINE	Chiang and Lee	2008	RNA interference: new therapeutics in allergic diseases.	2.70
MEDLINE	Kim and Rossi	2009	Overview of gene silencing by RNA interference.	2.70

SCHOLARLY DATABASE

Cyberinfrastructure for Network Science Center, SLIS, Indiana University, Bloomington

- Our goal is to provide data that is easy to understand and easy to use
  - Data is available as dumps and as network files
    - Co-author, co-investigator, citations
  - Data dictionaries are available for all sets via the SDB site and via the wiki
  - Flat files are provided in the standard csv, while network files use the NWB format.
  - All files are easily imported into our network science tools

    - Network Workbench

    - Science of Science (Sci2) Tool

cyberinfrastructure for
NETWORK SCIENCE CENTER
cns.iu.edu

Download Results

☐ Download all   ▤ Data Dictionary   ▦ Sample File

Download [20000] records starting at record [1] from the following databases:

MEDLINE Database: ▤

☐ MEDLINE author table ▦
☐ MEDLINE co-author table (nwb format) ▦
☐ MEDLINE master table ▦
☐ MEDLINE MeSH heading table ▦
☐ MEDLINE MeSH qualifier table ▦

NIH Database: ▤

☐ NIH master table ▦

NSF Database: ▤

☐ NSF co-investigator table (nwb format) ▦
☐ NSF master table ▦

USPTO Database: ▤

☐ USPTO agent table ▦
☐ USPTO assignee table ▦
☐ USPTO citation table (nwb format) ▦
☐ USPTO claims table ▦
☐ USPTO co-inventor table (nwb format) ▦
☐ USPTO inventor table ▦
☐ USPTO master (burst format) ▦
☐ USPTO master table ▦
☐ USPTO Patent Cooperation Treaty table ▦

Download

- Still growing and adding data
  - Ongoing updates of existing datasets
  - Provide new linkage data between NIH grants and publications
  - National Endowment for the Humanities grant data
- Sign up at http://sdb.cns.iu.edu
- Questions/comments? lightr@indiana.edu