

Dina Demner-Fushman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,520
citations

25
h-index

48
g-index

115
ext. papers

3,093
ext. citations

4
avg, IF

5.37
L-index

#	Paper	IF	Citations
108	What can natural language processing do for clinical decision support?. <i>Journal of Biomedical Informatics</i> , 2009 , 42, 760-72	10.2	349
107	Preparing a collection of radiology examinations for distribution and retrieval. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016 , 23, 304-10	8.6	191
106	Frontiers of biomedical text mining: current progress. <i>Briefings in Bioinformatics</i> , 2007 , 8, 358-75	13.4	181
105	Evaluation of PICO as a knowledge representation for clinical questions 2006 , 359-63	0.7	163
104	Answering Clinical Questions with Knowledge-Based and Statistical Techniques. <i>Computational Linguistics</i> , 2007 , 33, 63-103	2.8	127
103	Evaluating performance of biomedical image retrieval systems--an overview of the medical image retrieval task at ImageCLEF 2004-2013. <i>Computerized Medical Imaging and Graphics</i> , 2015 , 39, 55-61	7.6	82
102	Essie: a concept-based search engine for structured biomedical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2007 , 14, 253-63	8.6	76
101	Lower short- and long-term mortality associated with overweight and obesity in a large cohort study of adult intensive care unit patients. <i>Critical Care</i> , 2012 , 16, R235	10.8	71
100	MetaMap Lite: an evaluation of a new Java implementation of MetaMap. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017 , 24, 841-844	8.6	68
99	Towards automatic recognition of scientifically rigorous clinical research evidence. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2009 , 16, 25-31	8.6	58
98	Automatic summarization of MEDLINE citations for evidence-based medical treatment: a topic-oriented evaluation. <i>Journal of Biomedical Informatics</i> , 2009 , 42, 801-13	10.2	57
97	Design and Development of a Multimodal Biomedical Information Retrieval System. <i>Journal of Computing Science and Engineering</i> , 2012 , 6, 168-177	1.8	54
96	Extracting semantic predications from Medline citations for pharmacogenomics. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2007 , 209-20	1.3	53
95	Biomedical Text Mining: A Survey of Recent Progress 2012 , 465-517		52
94	Screening nonrandomized studies for medical systematic reviews: a comparative study of classifiers. <i>Artificial Intelligence in Medicine</i> , 2012 , 55, 197-207	7.4	42
93	Combining structured and unstructured data to identify a cohort of ICU patients who received dialysis. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 801-7	8.6	38
92	Biomedical Natural Language Processing. <i>Natural Language Processing</i> , 2014 ,	3	36

91	TREC-COVID: rationale and structure of an information retrieval shared task for COVID-19. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1431-1436	8.6	35
90	State-of-the-art in biomedical literature retrieval for clinical cases: a survey of the TREC 2014 CDS track. <i>Information Retrieval</i> , 2016 , 19, 113-148	1.8	35
89	12 years on - Is the NLM medical text indexer still useful and relevant?. <i>Journal of Biomedical Semantics</i> , 2017 , 8, 8	2.2	34
88	Image retrieval from scientific publications: Text and image content processing to separate multipanel figures. <i>Journal of the Association for Information Science and Technology</i> , 2013 , 64, 893-908		32
87	Knowledge-based methods to help clinicians find answers in MEDLINE. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2007 , 14, 772-80	8.6	31
86	Annotation and retrieval of clinically relevant images. <i>International Journal of Medical Informatics</i> , 2009 , 78, e59-67	5.3	30
85	Interactive use of online health resources: a comparison of consumer and professional questions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016 , 23, 802-11	8.6	29
84	UMLS content views appropriate for NLP processing of the biomedical literature vs. clinical text. <i>Journal of Biomedical Informatics</i> , 2010 , 43, 587-94	10.2	28
83	Using wireless handheld computers to seek information at the point of care: an evaluation by clinicians. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2007 , 14, 807-15	8.6	25
82	A dataset of clinically generated visual questions and answers about radiology images. <i>Scientific Data</i> , 2018 , 5, 180251	8.2	23
81	A dataset of 200 structured product labels annotated for adverse drug reactions. <i>Scientific Data</i> , 2018 , 5, 180001	8.2	22
80	Feature engineering and a proposed decision-support system for systematic reviewers of medical evidence. <i>PLoS ONE</i> , 2014 , 9, e86277	3.7	22
79	The role of fine-grained annotations in supervised recognition of risk factors for heart disease from EHRs. <i>Journal of Biomedical Informatics</i> , 2015 , 58 Suppl, S111-S119	10.2	21
78	Multimodal biomedical image retrieval using hierarchical classification and modality fusion. <i>International Journal of Multimedia Information Retrieval</i> , 2013 , 2, 159-173	2.4	21
77	TREC-COVID. <i>ACM SIGIR Forum</i> , 2020 , 54, 1-12	0.9	21
76	A publicly available benchmark for biomedical dataset retrieval: the reference standard for the 2016 bioCADDIE dataset retrieval challenge. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	20
75	Automatically identifying health outcome information in MEDLINE records. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2006 , 13, 52-60	8.6	18
74	Automated classification of eligibility criteria in clinical trials to facilitate patient-trial matching for specific patient populations. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017 , 24, 781-787	8.6	17

73	A question-entailment approach to question answering. <i>BMC Bioinformatics</i> , 2019 , 20, 511	3.6	15
72	Exploring use of images in clinical articles for decision support in evidence-based medicine 2008 ,		14
71	Automatically classifying question types for consumer health questions 2014 , 2014, 1018-27	0.7	13
70	Semantic annotation of consumer health questions. <i>BMC Bioinformatics</i> , 2018 , 19, 34	3.6	12
69	2015 ,		12
68	ImageCLEF 2019: Multimedia Retrieval in Medicine, Lifelogging, Security and Nature. <i>Lecture Notes in Computer Science</i> , 2019 , 358-386	0.9	12
67	Consumer health information and question answering: helping consumers find answers to their health-related information needs. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 194-201	8.6	12
66	High vitamin B12 levels are not associated with increased mortality risk for ICU patients after adjusting for liver function: a cohort study. <i>E-SPEN Journal</i> , 2014 , 9, e76-e83		11
65	Automatically Finding Images for Clinical Decision Support 2007 ,		11
64	Spell checker for consumer language (CSpell). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019 , 26, 211-218	8.6	10
63	Literature-based biomedical image classification and retrieval. <i>Computerized Medical Imaging and Graphics</i> , 2015 , 39, 3-13	7.6	10
62	Understanding spatial language in radiology: Representation framework, annotation, and spatial relation extraction from chest X-ray reports using deep learning. <i>Journal of Biomedical Informatics</i> , 2020 , 108, 103473	10.2	10
61	Multimodal biomedical image indexing and retrieval using descriptive text and global feature mapping. <i>Information Retrieval</i> , 2014 , 17, 229-264	1.8	10
60	A mutation-centric approach to identifying pharmacogenomic relations in text. <i>Journal of Biomedical Informatics</i> , 2012 , 45, 835-41	10.2	10
59	Biomedical article retrieval using multimodal features and image annotations in region-based CBIR 2010 ,		10
58	EXTRACTING SEMANTIC PREDICATIONS FROM MEDLINE CITATIONS FOR PHARMACOGENOMICS 2006 ,		10
57	Bio-SCoRes: A Smorgasbord Architecture for Coreference Resolution in Biomedical Text. <i>PLoS ONE</i> , 2016 , 11, e0148538	3.7	10
56	Comparison and combination of several MeSH indexing approaches 2013 , 2013, 709-18	0.7	10

55	The role of title, metadata and abstract in identifying clinically relevant journal articles 2005 , 191-5	0.7	9
54	A prototype system to support evidence-based practice 2008 , 151-5	0.7	9
53	Overview of the MEDIQA 2019 Shared Task on Textual Inference, Question Entailment and Question Answering 2019 ,		8
52	Interactive cross and multimodal biomedical image retrieval based on automatic region-of-interest (ROI) identification and classification. <i>International Journal of Multimedia Information Retrieval</i> , 2014 , 3, 131-146	2.4	7
51	Recognizing Question Entailment for Medical Question Answering 2016 , 2016, 310-318	0.7	7
50	MEDLINE as a source of just-in-time answers to clinical questions 2006 , 190-4	0.7	6
49	A protocol-driven approach to automatically finding authoritative answers to consumer health questions in online resources. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 1724-1736	2.7	5
48	Detecting Figure-Panel Labels in Medical Journal Articles Using MRF 2011 ,		5
47	Automatic Extraction and Post-coordination of Spatial Relations in Consumer Language 2015 , 2015, 1083-92	0.7	5
46	Finding Related Publications: Extending the Set of Terms Used to Assess Article Similarity. <i>AMIA Summits on Translational Science Proceedings</i> , 2016 , 2016, 225-34	1.1	5
45	Combining Open-domain and Biomedical Knowledge for Topic Recognition in Consumer Health Questions 2016 , 2016, 914-923	0.7	5
44	Searching for scientific evidence in a pandemic: An overview of TREC-COVID. <i>Journal of Biomedical Informatics</i> , 2021 , 121, 103865	10.2	5
43	Annotating Logical Forms for EHR Questions 2016 , 2016, 3772-3778		4
42	Overview of the ImageCLEF 2020: Multimedia Retrieval in Medical, Lifelogging, Nature, and Internet Applications. <i>Lecture Notes in Computer Science</i> , 2020 , 311-341	0.9	4
41	Guiding principles for the use of knowledge bases and real-world data in clinical decision support systems: report by an international expert workshop at Karolinska Institutet. <i>Expert Review of Clinical Pharmacology</i> , 2020 , 13, 925-934	3.8	4
40	Natural Language Processing for Health-Related Texts 2021 , 241-272		4
39	ImageCLEF 2019: Multimedia Retrieval in Lifelogging, Medical, Nature, and Security Applications. <i>Lecture Notes in Computer Science</i> , 2019 , 301-308	0.9	3
38	A customizable deep learning model for nosocomial risk prediction from critical care notes with indirect supervision. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 567-576	8.6	3

37	Preliminary comparison of three search engines for point of care access to MEDLINE citations 2006 , 945	0.7	3
36	Towards the creation of a visual ontology of biomedical imaging entities 2012 , 2012, 866-75	0.7	3
35	A simple method to extract key maternal data from neonatal clinical notes 2013 , 2013, 2-9	0.7	3
34	Evaluation of Clinical Text Segmentation to Facilitate Cohort Retrieval 2017 , 2017, 660-669	0.7	3
33	Finding medication doses in the literature 2018 , 2018, 368-376	0.7	3
32	On the Summarization of Consumer Health Questions 2019 ,		3
31	Question-driven summarization of answers to consumer health questions. <i>Scientific Data</i> , 2020 , 7, 322	8.2	3
30	Goal-Driven Visual Question Generation from Radiology Images. <i>Information (Switzerland)</i> , 2021 , 12, 334	2.6	3
29	Advanced Literature-Mining Tools 2009 , 347-380		3
28	Continual development of a personalized decision support system. <i>Studies in Health Technology and Informatics</i> , 2013 , 192, 175-9	0.5	3
27	Biomedical image representation approach using visualness and spatial information in a concept feature space for interactive region-of-interest-based retrieval. <i>Journal of Medical Imaging</i> , 2015 , 2, 046502	2.6	2
26	An MRF Model for Biomedical Image Segmentation 2014 ,		2
25	Extracting Characteristics of the Study Subjects from Full-Text Articles 2015 , 2015, 484-91	0.7	2
24	Resource Classification for Medical Questions 2016 , 2016, 1040-1049	0.7	2
23	On the Role of Question Summarization and Information Source Restriction in Consumer Health Question Answering. <i>AMIA Summits on Translational Science Proceedings</i> , 2019 , 2019, 117-126	1.1	2
22	A High Recall Classifier for Selecting Articles for MEDLINE Indexing 2019 , 2019, 727-734	0.7	2
21	Overview of the ImageCLEF 2021: Multimedia Retrieval in Medical, Nature, Internet and Social Media Applications. <i>Lecture Notes in Computer Science</i> , 2021 , 345-370	0.9	2
20	Organizing literature information for clinical decision support. <i>Studies in Health Technology and Informatics</i> , 2004 , 107, 602-6	0.5	2

19	Bridging the Gap Between Consumers' Medication Questions and Trusted Answers. <i>Studies in Health Technology and Informatics</i> , 2019 , 264, 25-29	0.5	2
18	Does Figure-Text Improve Biomedical Article Retrieval? A Pilot Study 2014 ,		1
17	An Interactive Image Retrieval Framework for Biomedical Articles Based on Visual Region-of-Interest (ROI) Identification and Classification 2012 ,		1
16	Themes in biomedical natural language processing: BioNLP08. <i>BMC Bioinformatics</i> , 2008 , 9 Suppl 11, S1	3.6	1
15	Evaluating the Importance of Image-related Text for Ad-hoc and Case-based Biomedical Article Retrieval 2010 , 2010, 752-6	0.7	1
14	Towards Zero-Shot Conditional Summarization with Adaptive Multi-Task Fine-Tuning 2020 , 2020, 3215-3226		1
13	Automatic MeSH Indexing: Revisiting the Subheading Attachment Problem 2020 , 2020, 1031-1040	0.7	1
12	Enhancing Question Answering by Injecting Ontological Knowledge through Regularization 2020 , 2020, 56-63		1
11	ImageCLEF 2020: Multimedia Retrieval in Lifelogging, Medical, Nature, and Internet Applications. <i>Lecture Notes in Computer Science</i> , 2020 , 533-541	0.9	1
10	The 2021 ImageCLEF Benchmark: Multimedia Retrieval in Medical, Nature, Internet and Social Media Applications. <i>Lecture Notes in Computer Science</i> , 2021 , 616-623	0.9	0
9	Question-aware transformer models for consumer health question summarization.. <i>Journal of Biomedical Informatics</i> , 2022 , 128, 104040	10.2	0
8	Clinical, Consumer Health, and Visual Question Answering. <i>Communications in Computer and Information Science</i> , 2019 , 1-6	0.3	
7	Mining MEDLINE for problems associated with vitamin D 2013 , 2013, 300-8	0.7	
6	Ranking Medical Subject Headings using a factor graph model. <i>AMIA Summits on Translational Science Proceedings</i> , 2015 , 2015, 56-63	1.1	
5	Deep Learning from Incomplete Data: Detecting Imminent Risk of Hospital-acquired Pneumonia in ICU Patients 2019 , 2019, 467-476	0.7	
4	Chemical Entity Recognition for MEDLINE Indexing. <i>AMIA Summits on Translational Science Proceedings</i> , 2020 , 2020, 561-568	1.1	
3	Flight of the PEGASUS? Comparing Transformers on Few-Shot and Zero-Shot Multi-document Abstractive Summarization 2020 , 2020, 5640-5646		
2	Empirical Findings on the Role of Structured Data, Unstructured Data, and their Combination for Automatic Clinical Phenotyping. <i>AMIA Summits on Translational Science Proceedings</i> , 2021 , 2021, 445-454 ^{1.1}		

- 1 Syntactic-Semantic Frames for Clinical Cohort Identification Queries. *Lecture Notes in Computer Science*, **2012**, 100-112

0.9