

Nigam H Shah

List of Publications by Year in Descending Order

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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.

179
papers

10,013
citations

44
h-index

98
g-index

200
ext. papers

12,842
ext. citations

8.8
avg, IF

6.68
L-index

#	Paper	IF	Citations
179	Characteristics and outcomes of COVID-19 patients with and without asthma from the United States, South Korea, and Europe.. <i>Journal of Asthma</i> , 2022 , 1-14	1.9	0
178	Evaluation of domain generalization and adaptation on improving model robustness to temporal dataset shift in clinical medicine.. <i>Scientific Reports</i> , 2022 , 12, 2726	4.9	2
177	A comparison of approaches to improve worst-case predictive model performance over patient subpopulations.. <i>Scientific Reports</i> , 2022 , 12, 3254	4.9	2
176	DLMM as a lossless one-shot algorithm for collaborative multi-site distributed linear mixed models.. <i>Nature Communications</i> , 2022 , 13, 1678	17.4	1
175	Unraveling COVID-19: A Large-Scale Characterization of 4.5 Million COVID-19 Cases Using CHARYBDIS.. <i>Clinical Epidemiology</i> , 2022 , 14, 369-384	5.9	1
174	Monitoring Approaches for a Pediatric Chronic Kidney Disease Machine Learning Model.. <i>Applied Clinical Informatics</i> , 2022 , 13, 431-438	3.1	
173	Automated model versus treating physician for predicting survival time of patients with metastatic cancer. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1108-1116	8.6	6
172	Unsupervised Learning for Automated Detection of Coronary Artery Disease Subgroups. <i>Journal of the American Heart Association</i> , 2021 , 10, e021976	6	2
171	A quality assessment tool for artificial intelligence-centered diagnostic test accuracy studies: QUADAS-AI. <i>Nature Medicine</i> , 2021 , 27, 1663-1665	50.5	5
170	An informatics consult approach for generating clinical evidence for treatment decisions. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 281	3.6	3
169	A framework for making predictive models useful in practice. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1149-1158	8.6	10
168	Use of dialysis, tracheostomy, and extracorporeal membrane oxygenation among 842,928 patients hospitalized with COVID-19 in the United States 2021 ,		4
167	Conflicting information from the Food and Drug Administration: Missed opportunity to lead standards for safe and effective medical artificial intelligence solutions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1353-1355	8.6	1
166	COVID-19 in patients with autoimmune diseases: characteristics and outcomes in a multinational network of cohorts across three countries. <i>Rheumatology</i> , 2021 , 60, S137-S150	3.9	12
165	ACE: the Advanced Cohort Engine for searching longitudinal patient records. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1468-1479	8.6	2
164	Ontology-driven weak supervision for clinical entity classification in electronic health records. <i>Nature Communications</i> , 2021 , 12, 2017	17.4	10
163	Thirty-Day Outcomes of Children and Adolescents With COVID-19: An International Experience. <i>Pediatrics</i> , 2021 , 148,	7.4	18

162	Treatment and Monitoring Variability in US Metastatic Breast Cancer Care. <i>JCO Clinical Cancer Informatics</i> , 2021 , 5, 600-614	5.2	1
161	Use of repurposed and adjuvant drugs in hospital patients with covid-19: multinational network cohort study. <i>BMJ, The</i> , 2021 , 373, n1038	5.9	19
160	SARS-CoV-2 infection and COVID-19 severity in individuals with prior seasonal coronavirus infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021 , 100, 115338	2.9	4
159	Language models are an effective representation learning technique for electronic health record data. <i>Journal of Biomedical Informatics</i> , 2021 , 113, 103637	10.2	7
158	An empirical characterization of fair machine learning for clinical risk prediction. <i>Journal of Biomedical Informatics</i> , 2021 , 113, 103621	10.2	13
157	Translational Bioinformatics 2021 , 867-911		
156	Unraveling COVID-19: a large-scale characterization of 4.5 million COVID-19 cases using CHARYBDIS 2021 ,		4
155	Characteristics and outcomes of 627 044 COVID-19 patients living with and without obesity in the United States, Spain, and the United Kingdom. <i>International Journal of Obesity</i> , 2021 , 45, 2347-2357	5.5	8
154	Characteristics and Outcomes of Over 300,000 Patients with COVID-19 and History of Cancer in the United States and Spain. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021 , 30, 1884-1894	4	2
153	Improving hospital readmission prediction using individualized utility analysis. <i>Journal of Biomedical Informatics</i> , 2021 , 119, 103826	10.2	4
152	A survey of extant organizational and computational setups for deploying predictive models in health systems. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 2445-2450	8.6	0
151	Learning decision thresholds for risk stratification models from aggregate clinician behavior. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 2258-2264	8.6	0
150	Systematic Review of Approaches to Preserve Machine Learning Performance in the Presence of Temporal Dataset Shift in Clinical Medicine. <i>Applied Clinical Informatics</i> , 2021 , 12, 808-815	3.1	4
149	Computational drug repositioning of atorvastatin for ulcerative colitis. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 2325-2335	8.6	2
148	Using Aggregate Patient Data at the Bedside via an On-Demand Consultation Service. <i>NEJM Catalyst</i> , 2021 , 2,	2.3	2
147	Predictors of diagnostic transition from major depressive disorder to bipolar disorder: a retrospective observational network study.. <i>Translational Psychiatry</i> , 2021 , 11, 642	8.6	1
146	An open repository of real-time COVID-19 indicators.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
145	Characteristics and outcomes of patients with COVID-19 with and without prevalent hypertension: a multinational cohort study.. <i>BMJ Open</i> , 2021 , 11, e057632	3	0

144	Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome. <i>Science Immunology</i> , 2020 , 5,	28	230
143	Development and validation of phenotype classifiers across multiple sites in the observational health data sciences and informatics network. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 877-883	8.6	6
142	Assessing the accuracy of automatic speech recognition for psychotherapy. <i>Npj Digital Medicine</i> , 2020 , 3, 82	15.7	13
141	Persistent detection of SARS-CoV-2 RNA in patients and healthcare workers with COVID-19. <i>Journal of Clinical Virology</i> , 2020 , 129, 104477	14.5	41
140	Ethics of Using and Sharing Clinical Imaging Data for Artificial Intelligence: A Proposed Framework. <i>Radiology</i> , 2020 , 295, 675-682	20.5	44
139	MINIMAR (MINimum Information for Medical AI Reporting): Developing reporting standards for artificial intelligence in health care. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 2011-2015	8.6	50
138	Comparative safety and effectiveness of alendronate versus raloxifene in women with osteoporosis. <i>Scientific Reports</i> , 2020 , 10, 11115	4.9	5
137	Estimate the hidden deployment cost of predictive models to improve patient care. <i>Nature Medicine</i> , 2020 , 26, 18-19	50.5	11
136	Characteristics, outcomes, and mortality amongst 133,589 patients with prevalent autoimmune diseases diagnosed with, and 48,418 hospitalised for COVID-19: a multinational distributed network cohort analysis 2020 ,		5
135	Deep phenotyping of 34,128 patients hospitalised with COVID-19 and a comparison with 81,596 influenza patients in America, Europe and Asia: an international network study 2020 ,		17
134	Occurrence and Timing of Subsequent SARS-CoV-2 RT-PCR Positivity Among Initially Negative Patients 2020 ,		13
133	Bridging the implementation gap of machine learning in healthcare. <i>BMJ Innovations</i> , 2020 , 6, 45-47	1.8	10
132	Deep phenotyping of 34,128 adult patients hospitalised with COVID-19 in an international network study. <i>Nature Communications</i> , 2020 , 11, 5009	17.4	49
131	Estimating the efficacy of symptom-based screening for COVID-19. <i>Npj Digital Medicine</i> , 2020 , 3, 95	15.7	27
130	Development and utility assessment of a machine learning bloodstream infection classifier in pediatric patients receiving cancer treatments. <i>BMC Cancer</i> , 2020 , 20, 1103	4.8	1
129	Research and Reporting Considerations for Observational Studies Using Electronic Health Record Data. <i>Annals of Internal Medicine</i> , 2020 , 172, S79-S84	8	19
128	Artificial Intelligence and Suicide Prevention: A Systematic Review of Machine Learning Investigations. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	34
127	Developing a delivery science for artificial intelligence in healthcare. <i>Npj Digital Medicine</i> , 2020 , 3, 107	15.7	27

126	Prediction of Major Depressive Disorder Following Beta-Blocker Therapy in Patients with Cardiovascular Diseases. <i>Journal of Personalized Medicine</i> , 2020 , 10,	3.6	5
125	Rates of Co-infection Between SARS-CoV-2 and Other Respiratory Pathogens. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 2085-2086	27.4	405
124	Creating Fair Models of Atherosclerotic Cardiovascular Disease Risk 2019 ,		8
123	Medical device surveillance with electronic health records. <i>Npj Digital Medicine</i> , 2019 , 2, 94	15.7	23
122	The number needed to benefit: estimating the value of predictive analytics in healthcare. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019 , 26, 1655-1659	8.6	19
121	Predicting Future Cardiovascular Events in Patients With Peripheral Artery Disease Using Electronic Health Record Data. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019 , 12, e004741	5.8	12
120	It is time to learn from patients like mine. <i>Npj Digital Medicine</i> , 2019 , 2, 16	15.7	19
119	Finding missed cases of familial hypercholesterolemia in health systems using machine learning. <i>Npj Digital Medicine</i> , 2019 , 2, 23	15.7	30
118	Increased monocyte count as a cellular biomarker for poor outcomes in fibrotic diseases: a retrospective, multicentre cohort study. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 497-508	35.1	72
117	Making Machine Learning Models Clinically Useful. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 1351-1352	27.4	102
116	Development and Performance of the Pulmonary Embolism Result Forecast Model (PERFORM) for Computed Tomography Clinical Decision Support. <i>JAMA Network Open</i> , 2019 , 2, e198719	10.4	28
115	Profiling off-label prescriptions in cancer treatment using social health networks. <i>JAMIA Open</i> , 2019 , 2, 301-305	2.9	3
114	Key Considerations for Incorporating Conversational AI in Psychotherapy. <i>Frontiers in Psychiatry</i> , 2019 , 10, 746	5	23
113	Early Detection of Adverse Drug Reactions in Social Health Networks: A Natural Language Processing Pipeline for Signal Detection. <i>JMIR Public Health and Surveillance</i> , 2019 , 5, e11264	11.4	16
112	Performing an Informatics Consult: Methods and Challenges. <i>Journal of the American College of Radiology</i> , 2018 , 15, 563-568	3.5	22
111	Some methods for heterogeneous treatment effect estimation in high dimensions. <i>Statistics in Medicine</i> , 2018 , 37, 1767-1787	2.3	46
110	Detecting Chemotherapeutic Skin Adverse Reactions in Social Health Networks Using Deep Learning. <i>JAMA Oncology</i> , 2018 , 4, 581-583	13.4	6
109	The Impact of Acute Organ Dysfunction on Long-Term Survival in Sepsis. <i>Critical Care Medicine</i> , 2018 , 46, 843-849	1.4	47

108	What This Computer Needs Is a Physician: Humanism and Artificial Intelligence. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 319, 19-20	27.4	224
107	Implementing Machine Learning in Health Care - Addressing Ethical Challenges. <i>New England Journal of Medicine</i> , 2018 , 378, 981-983	59.2	426
106	U-Index, a dataset and an impact metric for informatics tools and databases. <i>Scientific Data</i> , 2018 , 5, 180043	8.2	2
105	Scalable and accurate deep learning with electronic health records. <i>Npj Digital Medicine</i> , 2018 , 1, 18	15.7	853
104	Interpretation of biological experiments changes with evolution of the Gene Ontology and its annotations. <i>Scientific Reports</i> , 2018 , 8, 5115	4.9	41
103	Association of Hemoglobin A1c Levels With Use of Sulfonylureas, Dipeptidyl Peptidase 4 Inhibitors, and Thiazolidinediones in Patients With Type 2 Diabetes Treated With Metformin: Analysis From the Observational Health Data Sciences and Informatics Initiative. <i>JAMA Network Open</i> , 2018 , 1, e181755	10.4	30
102	Inpatient Clinical Order Patterns Machine-Learned From Teaching Versus Attending-Only Medical Services. <i>AMIA Summits on Translational Science Proceedings</i> , 2018 , 2017, 226-235	1.1	3
101	Identifying Cases of Metastatic Prostate Cancer Using Machine Learning on Electronic Health Records 2018 , 2018, 1498-1504	0.7	5
100	Inferring Physical Function From Wearable Activity Monitors: Analysis of Free-Living Activity Data From Patients With Knee Osteoarthritis. <i>JMIR MHealth and UHealth</i> , 2018 , 6, e11315	5.5	9
99	A Second Opinion From Observational Data on Second-line Diabetes Drugs. <i>JAMA Network Open</i> , 2018 , 1, e186119	10.4	2
98	Improving palliative care with deep learning. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 122	3.6	119
97	Predicting the need for a reduced drug dose, at first prescription. <i>Scientific Reports</i> , 2018 , 8, 15558	4.9	4
96	An evaluation of clinical order patterns machine-learned from clinician cohorts stratified by patient mortality outcomes. <i>Journal of Biomedical Informatics</i> , 2018 , 86, 109-119	10.2	12
95	Advances in Electronic Phenotyping: From Rule-Based Definitions to Machine Learning Models. <i>Annual Review of Biomedical Data Science</i> , 2018 , 1, 53-68	5.6	65
94	Predicting patient 'cost blooms' in Denmark: a longitudinal population-based study. <i>BMJ Open</i> , 2017 , 7, e011580	3	25
93	Androgen Deprivation Therapy and Subsequent Dementia-Reply. <i>JAMA Oncology</i> , 2017 , 3, 1001-1002	13.4	
92	Research on Gun Violence vs Other Causes of Death. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 317, 1379	27.4	2
91	Funding and Publication of Research on Gun Violence and Other Leading Causes of Death. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 317, 84-85	27.4	84

90	Machine Learning in Healthcare 2017 , 279-291		27
89	Assessing Screening Guidelines for Cardiovascular Disease Risk Factors using Routinely Collected Data. <i>Scientific Reports</i> , 2017 , 7, 6488	4.9	1
88	Pharmacovigilance Using Textual Data: The Need to Go Deeper and Wider into the Con(text). <i>Drug Safety</i> , 2017 , 40, 1047-1048	5.1	1
87	A dataset quantifying polypharmacy in the United States. <i>Scientific Data</i> , 2017 , 4, 170167	8.2	44
86	Toward multimodal signal detection of adverse drug reactions. <i>Journal of Biomedical Informatics</i> , 2017 , 76, 41-49	10.2	18
85	Association Between Androgen Deprivation Therapy and Risk of Dementia. <i>JAMA Oncology</i> , 2017 , 3, 49-55	13.4	94
84	Improving palliative care with deep learning 2017 ,		42
83	Quantifying the relative change in physical activity after Total Knee Arthroplasty using accelerometer based measurements. <i>AMIA Summits on Translational Science Proceedings</i> , 2017 , 2017, 463-472	1.1	3
82	Electronic phenotyping with APHRODITE and the Observational Health Sciences and Informatics (OHDSI) data network. <i>AMIA Summits on Translational Science Proceedings</i> , 2017 , 2017, 48-57	1.1	24
81	Evolutionary Pressures on the Electronic Health Record: Caring for Complexity. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 923-4	27.4	45
80	Characterizing treatment pathways at scale using the OHDSI network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7329-36	11.5	175
79	The use of machine learning for the identification of peripheral artery disease and future mortality risk. <i>Journal of Vascular Surgery</i> , 2016 , 64, 1515-1522.e3	3.5	50
78	Androgen Deprivation Therapy and Future Alzheimer's Disease Risk. <i>Journal of Clinical Oncology</i> , 2016 , 34, 566-71	2.2	131
77	Postmarket Surveillance of Point-of-Care Glucose Meters through Analysis of Electronic Medical Records. <i>Clinical Chemistry</i> , 2016 , 62, 716-24	5.5	12
76	An unsupervised learning method to identify reference intervals from a clinical database. <i>Journal of Biomedical Informatics</i> , 2016 , 59, 276-84	10.2	29
75	New Paradigms for Patient-Centered Outcomes Research in Electronic Medical Records: An Example of Detecting Urinary Incontinence Following Prostatectomy. <i>EGEMS (Washington, DC)</i> , 2016 , 4, 1231	2.2	20
74	Statin Intensity or Achieved LDL? Practice-based Evidence for the Evaluation of New Cholesterol Treatment Guidelines. <i>PLoS ONE</i> , 2016 , 11, e0154952	3.7	7
73	DISCOVERING PATIENT PHENOTYPES USING GENERALIZED LOW RANK MODELS. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2016 , 21, 144-55	1.3	9

72	Learning Effective Treatment Pathways for Type-2 Diabetes from a clinical data warehouse 2016 , 2016, 2036-2042	0.7	6
71	Impact of Predicting Health Care Utilization Via Web Search Behavior: A Data-Driven Analysis. <i>Journal of Medical Internet Research</i> , 2016 , 18, e251	7.6	26
70	Generalized enrichment analysis improves the detection of adverse drug events from the biomedical literature. <i>BMC Bioinformatics</i> , 2016 , 17, 250	3.6	9
69	Predictive modeling of risk factors and complications of cataract surgery. <i>European Journal of Ophthalmology</i> , 2016 , 26, 328-37	1.9	20
68	Learning statistical models of phenotypes using noisy labeled training data. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016 , 23, 1166-1173	8.6	73
67	Detecting unplanned care from clinician notes in electronic health records. <i>Journal of Oncology Practice</i> , 2015 , 11, e313-9	3.1	14
66	Functional evaluation of out-of-the-box text-mining tools for data-mining tasks. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 121-31	8.6	30
65	Implications of non-stationarity on predictive modeling using EHRs. <i>Journal of Biomedical Informatics</i> , 2015 , 58, 168-174	10.2	30
64	Proton pump inhibitors and vascular function: A prospective cross-over pilot study. <i>Vascular Medicine</i> , 2015 , 20, 309-16	3.3	28
63	A method for systematic discovery of adverse drug events from clinical notes. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 1196-204	8.6	43
62	Proton Pump Inhibitor Usage and the Risk of Myocardial Infarction in the General Population. <i>PLoS ONE</i> , 2015 , 10, e0124653	3.7	201
61	Bringing cohort studies to the bedside: framework for a 'green button' to support clinical decision-making. <i>Journal of Comparative Effectiveness Research</i> , 2015 , 4, 191-197	2.1	31
60	Observational Health Data Sciences and Informatics (OHDSI): Opportunities for Observational Researchers. <i>Studies in Health Technology and Informatics</i> , 2015 , 216, 574-8	0.5	418
59	Analyzing Information Seeking and Drug-Safety Alert Response by Health Care Professionals as New Methods for Surveillance. <i>Journal of Medical Internet Research</i> , 2015 , 17, e204	7.6	9
58	Text mining for adverse drug events: the promise, challenges, and state of the art. <i>Drug Safety</i> , 2014 , 37, 777-90	5.1	136
57	A 'green button' for using aggregate patient data at the point of care. <i>Health Affairs</i> , 2014 , 33, 1229-35	7	101
56	Mining clinical text for signals of adverse drug-drug interactions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 353-62	8.6	104
55	Building the graph of medicine from millions of clinical narratives. <i>Scientific Data</i> , 2014 , 1, 140032	8.2	43

54	Translational Bioinformatics 2014 , 721-754		1
53	Automated detection of off-label drug use. <i>PLoS ONE</i> , 2014 , 9, e89324	3.7	37
52	Mining the internet for drug information. <i>Clinical Advances in Hematology and Oncology</i> , 2014 , 12, 391-306		
51	Web-scale pharmacovigilance: listening to signals from the crowd. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, 404-8	8.6	147
50	Profiling risk factors for chronic uveitis in juvenile idiopathic arthritis: a new model for EHR-based research. <i>Pediatric Rheumatology</i> , 2013 , 11, 45	3.5	27
49	Combing signals from spontaneous reports and electronic health records for detection of adverse drug reactions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, 413-9	8.6	117
48	Identifying phenotypic signatures of neuropsychiatric disorders from electronic medical records. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, e297-305	8.6	43
47	Mining Biomedical Ontologies and Data Using RDF Hypergraphs 2013 ,		9
46	Unexpected effect of proton pump inhibitors: elevation of the cardiovascular risk factor asymmetric dimethylarginine. <i>Circulation</i> , 2013 , 128, 845-53	16.7	160
45	Practice-based evidence: profiling the safety of cilostazol by text-mining of clinical notes. <i>PLoS ONE</i> , 2013 , 8, e63499	3.7	55
44	Automated Detection of Systematic Off-label Drug Use in Free Text of Electronic Medical Records. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 94-8	1.1	7
43	Learning signals of adverse drug-drug interactions from the unstructured text of electronic health records. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 83-7	1.1	3
42	Network analysis of unstructured EHR data for clinical research. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 14-8	1.1	4
41	Annotation Analysis for Testing Drug Safety Signals using Unstructured Clinical Notes. <i>Journal of Biomedical Semantics</i> , 2012 , 3 Suppl 1, S5	2.2	66
40	Chapter 9: Analyses using disease ontologies. <i>PLoS Computational Biology</i> , 2012 , 8, e1002827	5	15
39	Using ontology-based annotation to profile disease research. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, e177-86	8.6	8
38	Unified Medical Language System term occurrences in clinical notes: a large-scale corpus analysis. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, e149-56	8.6	50
37	The National Center for Biomedical Ontology. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 190-5	8.6	126

36	Analyzing patterns of drug use in clinical notes for patient safety. <i>AMIA Summits on Translational Science Proceedings</i> , 2012 , 2012, 63-70	1.1	15
35	Using temporal patterns in medical records to discern adverse drug events from indications. <i>AMIA Summits on Translational Science Proceedings</i> , 2012 , 2012, 47-56	1.1	22
34	NCBO Resource Index: Ontology-Based Search and Mining of Biomedical Resources. <i>Web Semantics</i> , 2011 , 9, 316-324	2.9	57
33	Enabling enrichment analysis with the Human Disease Ontology. <i>Journal of Biomedical Informatics</i> , 2011 , 44 Suppl 1, S31-S38	10.2	36
32	BioPortal: enhanced functionality via new Web services from the National Center for Biomedical Ontology to access and use ontologies in software applications. <i>Nucleic Acids Research</i> , 2011 , 39, W541-5	20.1	430
31	Building a biomedical ontology recommender web service. <i>Journal of Biomedical Semantics</i> , 2010 , 1 Suppl 1, S1	2.2	47
30	In silico functional profiling of human disease-associated and polymorphic amino acid substitutions. <i>Human Mutation</i> , 2010 , 31, 335-46	4.7	55
29	An ontology-neutral framework for enrichment analysis 2010 , 2010, 797-801	0.7	13
28	The Lexicon Builder Web service: Building Custom Lexicons from two hundred Biomedical Ontologies 2010 , 2010, 587-91	0.7	10
27	A Comprehensive Analysis of Five Million UMLS Metathesaurus Terms Using Eighteen Million MEDLINE Citations 2010 , 2010, 907-11	0.7	26
26	Optimize First, Buy Later: Analyzing Metrics to Ramp-Up Very Large Knowledge Bases. <i>Lecture Notes in Computer Science</i> , 2010 , 486-501	0.9	4
25	BioPortal: ontologies and integrated data resources at the click of a mouse. <i>Nucleic Acids Research</i> , 2009 , 37, W170-3	20.1	523
24	Ontology-driven indexing of public datasets for translational bioinformatics. <i>BMC Bioinformatics</i> , 2009 , 10 Suppl 2, S1	3.6	85
23	Comparison of concept recognizers for building the Open Biomedical Annotator. <i>BMC Bioinformatics</i> , 2009 , 10 Suppl 9, S14	3.6	94
22	Un service Web pour l'annotation sémantique de données biomédicales avec des ontologies. <i>Informatique Et Santé</i> 2009 , 151-162		1
21	The open biomedical annotator. <i>Summit on Translational Bioinformatics</i> , 2009 , 2009, 56-60		117
20	The Stanford Tissue Microarray Database. <i>Nucleic Acids Research</i> , 2008 , 36, D871-7	20.1	63
19	Biomedical ontologies: a functional perspective. <i>Briefings in Bioinformatics</i> , 2008 , 9, 75-90	13.4	176

18	Comparison of ontology-based semantic-similarity measures 2008 , 384-8	0.7	20
17	The OBO Foundry: coordinated evolution of ontologies to support biomedical data integration. <i>Nature Biotechnology</i> , 2007 , 25, 1251-5	44.5	155 ⁶
16	Annotation and query of tissue microarray data using the NCI Thesaurus. <i>BMC Bioinformatics</i> , 2007 , 8, 296	3.6	23
15	Ontology-based annotation and query of tissue microarray data 2006 , 709-13	0.7	19
14	Characteristics and outcomes of COVID-19 patients with COPD from the United States, South Korea, and Europe. <i>Wellcome Open Research</i> , 7, 22	4.8	
13	Estimation of SARS-CoV-2 Infection Prevalence in Santa Clara County		3
12	Measure what matters: counts of hospitalized patients are a better metric for health system capacity planning for a reopening		2
11	Improving Hospital Readmission Prediction using Individualized Utility Analysis		1
10	Evaluating algorithmic fairness in the presence of clinical guidelines: the case of atherosclerotic cardiovascular disease risk estimation		1
9	NCBO Resource Index: Ontology-Based Search and Mining of Biomedical Resources. <i>SSRN Electronic Journal</i> ,	1	1
8	A model to forecast regional demand for COVID-19 related hospital beds		13
7	A framework for making predictive models useful in practice		1
6	Heterogeneity and temporal variation in the management of COVID-19: a multinational drug utilization study including 71,921 hospitalized patients from China, South Korea, Spain, and the United States of America		1
5	Clinical characteristics, symptoms, management and health outcomes in 8,598 pregnant women diagnosed with COVID-19 compared to 27,510 with seasonal influenza in France, Spain and the US: a network cohort analysis		3
4	SARS-CoV-2 infection and COVID-19 severity in individuals with prior seasonal coronavirus infection		2
3	Low adherence to existing model reporting guidelines by commonly used clinical prediction models		2
2	An Open Repository of Real-Time COVID-19 Indicators		2
1	Characteristics and outcomes of COVID-19 patients with COPD from the United States, South Korea, and Europe. <i>Wellcome Open Research</i> , 7, 22	4.8	

