Indra Neil Sarkar

List of Publications by Year
in descending order

		279798	289244
90 papers	**1,864** citations	**23** h-index	**40** g-index
95 all docs	**95** docs citations	**95** times ranked	**3164** citing authors

#	Article	IF	Citations
1	The impact of taxon sampling on phylogenetic inference: a review of two decades of controversy. Briefings in Bioinformatics, 2012, 13, 122-134.	6.5	203
2	<scp>caos</scp> software for use in character‐based DNA barcoding. Molecular Ecology Resources, 2008, 8, 1256-1259.	4.8	157
3	Appearance of new tetraspanin genes during vertebrate evolution. Genomics, 2008, 91, 326-334.	2.9	115
4	OrthologID: automation of genome-scale ortholog identification within a parsimony framework. Bioinformatics, 2006, 22, 699-707.	4.1	89
5	Biomedical informatics and translational medicine. Journal of Translational Medicine, 2010, 8, 22.	4.4	84
6	Bioinformatics opportunities for identification and study of medicinal plants. Briefings in Bioinformatics, 2013, 14, 238-250.	6.5	80
7	DNA barcoding using chitons (genus Mopalia). Molecular Ecology Notes, 2007, 7, 177-183.	1.7	74
8	The phylogeny of rodent malaria parasites: Simultaneous analysis across three genomes. Infection, Genetics and Evolution, 2007, 7, 74-83.	2.3	71
9	Translational bioinformatics: linking knowledge across biological and clinical realms: Figure 1. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 354-357.	4.4	61
10	Salivary Transcriptome of the North American Medicinal Leech, Macrobdella decora. Journal of Parasitology, 2010, 96, 1211-1221.	0.7	59
11	Biodiversity informatics: organizing and linking information across the spectrum of life. Briefings in Bioinformatics, 2007, 8, 347-357.	6.5	55
12	Adverse events following mRNA SARS-CoV-2 vaccination among U.S. nursing home residents. Vaccine, 2021, 39, 3844-3851.	3.8	42
13	Crossing the health IT chasm: considerations and policy recommendations to overcome current challenges and enable value-based care. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 1036-1043.	4.4	41
14	Geospatial and Temporal Analysis of Thyroid Cancer Incidence in a Rural Population. Thyroid, 2015, 25, 812-822.	4.5	35
15	Enhancing phylogeography by improving geographical information from GenBank. Journal of Biomedical Informatics, 2011, 44, S44-S47.	4.3	33
16	Genetic variation and phylogeny of the cosmopolitan marine genus Tubificoides (Annelida: Clitellata:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	32
17	Systematic Analysis of DNA Microarray Data: Ordering and Interpreting Patterns of Gene Expression. Genome Research, 2001, 11, 1149-1155.	5.5	31
18	Evaluation of family history information within clinical documents and adequacy of HL7 clinical statement and clinical genomics family history models for its representation: a case report. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 337-340.	4.4	30

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19	Building the Informatics Infrastructure for Comparative Effectiveness Research (CER). Medical Care, 2012, 50, S38-S48.	2.4	28
20	A Cross-Species Analysis of Animal Models for the Investigation of Preterm Birth Mechanisms. Reproductive Sciences, 2016, 23, 482-491.	2.5	28
21	Drug repurposing: mining protozoan proteomes for targets of known bioactive compounds. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 238-244.	4.4	26
22	A vector space model approach to identify genetically related diseases. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 249-254.	4.4	25
23	Mining the Electronic Health Record for Disease Knowledge. Methods in Molecular Biology, 2014, 1159, 269-286.	0.9	25
24	Automated Extraction of Substance Use Information from Clinical Texts. AMIA ... Annual Symposium proceedings, 2015, 2015, 2121-30.	0.2	25
25	The Barcode of Life Data Portal: Bridging the Biodiversity Informatics Divide for DNA Barcoding. PLoS ONE, 2011, 6, e14689.	2.5	24
26	Identifying Complementary and Alternative Medicine Usage Information from Internet Resources. Methods of Information in Medicine, 2016, 55, 322-332.	1.2	22
27	GenBank and PubMed: How connected are they?. BMC Research Notes, 2009, 2, 101.	1.4	20
28	Genome-wide search for leech antiplatelet proteins in the non-blood-feeding leechHelobdella robusta(Rhyncobdellida: Glossiphoniidae) reveals evidence of secreted anticoagulants. Invertebrate Biology, 2011, 130, 344-350.	0.9	20
29	Phylogeography of influenza A H5N1 clade 2.2.1.1 in Egypt. BMC Genomics, 2013, 14, 871.	2.8	20
30	Leveraging biodiversity knowledge for potential phyto-therapeutic applications. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 668-679.	4.4	19
31	Adverse Events Following One Dose of mRNA COVID-19 Vaccination Among US Nursing Home Residents With and Without a Previous SARS-CoV-2 Infection. Journal of the American Medical Directors Association, 2021, 22, 2228-2232.	2.5	18
32	Small-Molecule Inhibition of Choline Catabolism in Pseudomonas aeruginosa and Other Aerobic Choline-Catabolizing Bacteria. Applied and Environmental Microbiology, 2011, 77, 4383-4389.	3.1	16
33	Towards the Standardized Documentation of E-Cigarette Use in the Electronic Health Record for Population Health Surveillance and Research. AMIA Summits on Translational Science Proceedings, 2015, 2015, 199-203.	0.4	15
34	Health Information Exchange in Emergency Medical Services. Applied Clinical Informatics, 2018, 09, 884-891.	1.7	14
35	Examining the use, contents, and quality of free-text tobacco use documentation in the Electronic Health Record. AMIA ... Annual Symposium proceedings, 2014, 2014, 366-74.	0.2	14
36	At the Intersection of Public-health Informatics and Bioinformatics. Epidemiology, 2010, 21, 764-768.	2.7	13

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37	Multi-source development of an integrated model for family health history. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, e67-e80.	4.4	10
38	Prevention of treatment-related fluid overload reduces estimated effective cost of prothrombin complex concentrate in patients requiring rapid vitamin K antagonist reversal. Expert Review of Pharmacoeconomics and Outcomes Research, 2016, 16, 135-139.	1.4	9
39	Quality Informatics: The Convergence of Healthcare Data, Analytics, and Clinical Excellence. Applied Clinical Informatics, 2019, 10, 272-277.	1.7	9
40	GENESTRACE: PHENOMIC KNOWLEDGE DISCOVERY VIA STRUCTURED TERMINOLOGY. , 2004, , .		9
41	Genestrace: phenomic knowledge discovery via structured terminology. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2005, , 103-14.	0.7	9
42	The effect of levetiracetam treatment on survival in patients with glioblastoma: a systematic review and meta-analysis. Journal of Neuro-Oncology, 2022, 156, 257-267.	2.9	9
43	Developing new pathways into the biomedical informatics field: the AMIA High School Scholars Program. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 819-823.	4.4	8
44	Reimagining the research-practice relationship: policy recommendations for informatics-enabled evidence-generation across the US health system. JAMIA Open, 2019, 2, 2-9.	2.0	8
45	Leveraging biomedical ontologies and annotation services to organize microbiome data from Mammalian hosts. AMIA ... Annual Symposium proceedings, 2010, 2010, 717-21.	0.2	8
46	Leveraging concept-based approaches to identify potential phyto-therapies. Journal of Biomedical Informatics, 2013, 46, 602-614.	4.3	7
47	Identifying Herbal Adverse Events From Spontaneous Reporting Systems Using Taxonomic Name Resolution Approach. Bioinformatics and Biology Insights, 2020, 14, 117793222092135.	2.0	7
48	Representation of Drug Use in Biomedical Standards, Clinical Text, and Research Measures. AMIA ... Annual Symposium proceedings, 2015, 2015, 376-85.	0.2	7
49	Predicting Mortality in Diabetic ICU Patients Using Machine Learning and Severity Indices. AMIA Summits on Translational Science Proceedings, 2018, 2017, 310-319.	0.4	7
50	Desiderata for Personal Electronic Communication in Clinical Systems. Journal of the American Medical Informatics Association: JAMIA, 2002, 9, 209-216.	4.4	6
51	Editorial: Bioinformatics education in the 21st century. Briefings in Bioinformatics, 2010, 11, 535-536.	6.5	6
52	Solr-Plant: efficient extraction of plant names from text. BMC Bioinformatics, 2019, 20, 263.	2.6	6
53	PubMedMiner: Mining and Visualizing MeSH-based Associations in PubMed. AMIA ... Annual Symposium proceedings, 2014, 2014, 1990-9.	0.2	6
54	MeSHing molecular sequences and clinical trials: A feasibility study. Journal of Biomedical Informatics, 2010, 43, 442-450.	4.3	5

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55	Structural network analysis of biological networks for assessment of potential disease model organisms. Journal of Biomedical Informatics, 2014, 47, 178-191.	4.3	5
56	Translating standards into practice: Experiences and lessons learned in biomedicine and health care. Journal of Biomedical Informatics, 2012, 45, 609-612.	4.3	4
57	Towards Structuring Unstructured GenBank Metadata for Enhancing Comparative Biological Studies. AMIA Summits on Translational Science Proceedings, 2011, 2011, 6-10.	0.4	4
58	Mining and Visualizing Family History Associations in the Electronic Health Record: A Case Study for Pediatric Asthma. AMIA ... Annual Symposium proceedings, 2015, 2015, 396-405.	0.2	4
59	LYRUS: a machine learning model for predicting the pathogenicity of missense variants. Bioinformatics Advances, 2022, 2, vbab045.	2.4	4
60	Using the Montreal cognitive assessment to identify individuals with subtle cognitive decline.. Neuropsychology, 2022, 36, 373-383.	1.3	4
61	Adapting simultaneous analysis phylogenomic techniques to study complex disease gene relationships. Journal of Biomedical Informatics, 2015, 54, 10-38.	4.3	3
62	Challenges in Identification of Potential Phytotherapies from Contemporary Biomedical Literature. , 2015, , 363-371.		3
63	A new journal for sharing informatics innovations: introducing JAMIA Open. JAMIA Open, 2018, 1, 1-2.	2.0	3
64	Identifying Supplement Use Within Clinical Notes: An Applicationof Natural Language Processing. AMIA Summits on Translational Science Proceedings, 2018, 2017, 196-205.	0.4	3
65	Statewide evaluation of COVID-19 vaccine hesitancy in Rhode Island. PLoS ONE, 2022, 17, e0268587.	2.5	3
66	Today's data for tomorrow's knowledge. JAMIA Open, 2019, 2, 1-1.	2.0	2
67	Predicting open wound mortality in the ICU using machine learning. Journal of Emergency and Critical Care Medicine, 2021, 5, 13-13.	0.7	2
68	Phylogenetics in the modern era. Journal of Biomedical Informatics, 2006, 39, 3-5.	4.3	1
69	Putting Theory into Practice. , 2014, , 425-432.		1
70	Machine learning approach to literature mining for the genetics of complex diseases. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	1
71	Curated multiple sequence alignment for the Adenomatous Polyposis Coli (APC) gene and accuracy of in silico pathogenicity predictions. PLoS ONE, 2020, 15, e0233673.	2.5	1
72	Mining the Bibliome. Computers in Health Care, 2015, , 75-96.	0.3	1

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73	Literature based discovery of gene clusters using phylogenetic methods. AMIA ... Annual Symposium proceedings, 2006, , 689-93.	0.2	1
74	Identifying Family History and Substance Use Associations for Adult Epilepsy from the Electronic Health Record. AMIA Summits on Translational Science Proceedings, 2016, 2016, 250-9.	0.4	1
75	Identifying Plant-Human Disease Associations in Biomedical Literature: A Case Study. AMIA Summits on Translational Science Proceedings, 2016, 2016, 84-93.	0.4	1
76	Using Unsupervised Clustering to Identify Pregnancy Co-Morbidities. AMIA Summits on Translational Science Proceedings, 2019, 2019, 305-314.	0.4	1
77	A Phylogenetic Approach to Analyze the Conservativeness of BRCA1 and BRCA2 Mutations. AMIA ... Annual Symposium proceedings, 2020, 2020, 677-686.	0.2	1
78	Access to community-based reproductive health services and incidence of low birthweight delivery among refugee and displaced mothers: a retrospective study in the Thailand-Myanmar border region. BMJ Open, 2022, 12, e052571.	1.9	1
79	Selected Papers from the 2011 Summit on Translational Bioinformatics. Journal of Biomedical Informatics, 2011, 44, S3-S4.	4.3	0
80	Finding the patient in informatics. JAMIA Open, 2018, 1, 129-129.	2.0	0
81	Harnessing electronic data to inform health decisions. JAMIA Open, 2019, 2, 215-216.	2.0	0
82	Community abstracts: coming soon!. JAMIA Open, 2019, 2, 399-399.	2.0	0
83	Enabling open access to support biomedical research. JAMIA Open, 2019, 2, 281-281.	2.0	0
84	Achieving A Certain Major Achievement During Uncertain Times. JAMIA Open, 2020, 3, 1-1.	2.0	0
85	#BlackLivesMatter. JAMIA Open, 2020, 3, 141-141.	2.0	0
86	BIODIVERSITY INFORMATICS: MANAGING KNOWLEDGE BEYOND HUMANS AND MODEL ORGANISMS â€" AN INTRODUCTION. , 2006, , .		0
87	A changed world built on informatics innovation. JAMIA Open, 2021, 3, 487-487.	2.0	0
88	Using Self Organizing Maps to Compare Sepsis Patients from the Neonatal and Adult Intensive Care Unit. AMIA Summits on Translational Science Proceedings, 2019, 2019, 127-135.	0.4	0
89	Supporting rigor through reproducibility. JAMIA Open, 2020, 3, 319-320.	2.0	0
90	How to Prepare a Nursing Informatics Conference Submission. Studies in Health Technology and Informatics, 2016, 225, 703-4.	0.3	0