

# Shruti Rao

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

578  
citations

687363

13  
h-index

677142

22  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatic cancer variant curation and harmonization through consensus minimum variant level data. <i>Genome Medicine</i> , 2016, 8, 117.	8.2	61
2	A virtual molecular tumor board to improve efficiency and scalability of delivering precision oncology to physicians and their patients. <i>JAMIA Open</i> , 2019, 2, 505-515.	2.0	56
3	Standards for the classification of pathogenicity of somatic variants in cancer (oncogenicity): Joint recommendations of Clinical Genome Resource (ClinGen), Cancer Genomics Consortium (CGC), and Variant Interpretation for Cancer Consortium (VICC). <i>Genetics in Medicine</i> , 2022, 24, 986-998.	2.4	55
4	Structural and functional studies of S-adenosyl-L-methionine binding proteins: a ligand-centric approach. <i>BMC Structural Biology</i> , 2013, 13, 6.	2.3	50
5	Overview of the interactive task in BioCreative V. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw119.	3.0	36
6	Genomic Profiling Reveals the Potential Role of TCL1A and MDR1 Deficiency in Chemotherapy-Induced Cardiotoxicity. <i>International Journal of Biological Sciences</i> , 2013, 9, 350-360.	6.4	31
7	Discovery of Metabolic Biomarkers for Duchenne Muscular Dystrophy within a Natural History Study. <i>PLoS ONE</i> , 2016, 11, e0153461.	2.5	26
8	Collaborative, Multidisciplinary Evaluation of Cancer Variants Through Virtual Molecular Tumor Boards Informs Local Clinical Practices. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 602-613.	2.1	26
9	Quantification and expert evaluation of evidence for chemopredictive biomarkers to personalize cancer treatment. <i>Oncotarget</i> , 2017, 8, 37923-37934.	1.8	23
10	iTextMine: integrated text-mining system for large-scale knowledge extraction from the literature. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	22
11	In silico analysis of autoimmune diseases and genetic relationships to vaccination against infectious diseases. <i>BMC Immunology</i> , 2014, 15, 61.	2.2	21
12	SNP2Structure: A Public and Versatile Resource for Mapping and Three-Dimensional Modeling of Missense SNPs on Human Protein Structures. <i>Computational and Structural Biotechnology Journal</i> , 2015, 13, 514-519.	4.1	16
13	Standard operating procedure for curation and clinical interpretation of variants in cancer. <i>Genome Medicine</i> , 2019, 11, 76.	8.2	16
14	Adapting crowdsourced clinical cancer curation in CIViC to the ClinGen minimum variant level data community-driven standards. <i>Human Mutation</i> , 2018, 39, 1721-1732.	2.5	15
15	eGARD: Extracting associations between genomic anomalies and drug responses from text. <i>PLoS ONE</i> , 2017, 12, e0189663.	2.5	14
16	A case for expert curation: an overview of cancer curation in the Clinical Genome Resource (ClinGen). <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a004739.	1.2	14
17	Dynamic Regulation of Caveolin-1 Phosphorylation and Caveolae Formation by Mammalian Target of Rapamycin Complex 2 in Bladder Cancer Cells. <i>American Journal of Pathology</i> , 2019, 189, 1846-1862.	3.8	13
18	ClinGen Cancer Somatic Working Group - standardizing and democratizing access to cancer molecular diagnostic data to drive translational research. <i>Pacific Symposium on Biocomputing</i> Pacific Symposium on Biocomputing, 2018, 23, 247-258.	0.7	13

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19	ClinGen Cancer Somatic Working Group "standardizing and democratizing access to cancer molecular diagnostic data to drive translational research." , 2018, , .		12
20	Acquired Resistance to a MET Antibody <i>In Vivo</i> Can Be Overcome by the MET Antibody Mixture Sym015. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1259-1270.	4.1	8
21	Evidence-Based Network Approach to Recommending Targeted Cancer Therapies. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 71-88.	2.1	8
22	MET network in PubMed: a text-mined network visualization and curation system. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw090.	3.0	6
23	Eye-Tracking Study to Enhance Usability of Molecular Diagnostics Reports in Cancer Precision Medicine. <i>JCO Precision Oncology</i> , 2018, 2, 1-11.	3.0	6
24	Future of Evidence Synthesis in Precision Oncology: Between Systematic Reviews and Biocuration. <i>JCO Precision Oncology</i> , 2018, 2, 1.	3.0	5
25	Standardized evidence-based approach for assessment of oncogenic and clinical significance of NTRK fusions. <i>Cancer Genetics</i> , 2022, 264-265, 50-59.	0.4	5
26	A community approach to the cancer-variant-interpretation bottleneck. <i>Nature Cancer</i> , 2022, 3, 522-525.	13.2	3
27	Abstract 2604: The Georgetown Database of Cancer (G-DOC): A web-based data sharing platform for precision medicine. , 2017, , .		2
28	Molecular profiling of TOPO1: A way to evaluate irinotecan treatment in colorectal cancer?. <i>Journal of Clinical Oncology</i> , 2016, 34, 546-546.	1.6	1
29	Prioritizing targeted therapies in an evidence-based manner, integrating biological context and functional precision medicine.. <i>Journal of Clinical Oncology</i> , 2020, 38, e14065-e14065.	1.6	1
30	Abstract 1193: Enhancing pediatric cancer variant curation and representation through standardized classification and automation. <i>Cancer Research</i> , 2022, 82, 1193-1193.	0.9	1
31	In silico analysis of autoimmune diseases and genetic relationships to vaccination against infectious diseases. , 2013, , .		0
32	SNP2Structure. , 2013, , .		0
33	In silico Analysis of Vaccination Adverse Events. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, AB104.	2.9	0
34	21. Cancer curation in the clinical genome resource (on behalf of the ClinGen Somatic Working Group) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 1.	0.4	0
35	29. Integrating ClinGen somatic cancer variant description standards into crowdsourced curation technology via CIVIC database for ClinVar submission. <i>Cancer Genetics</i> , 2018, 226-227, 47.	0.4	0
36	34. Curation of variants associated with pediatric tumors within the Clinical Genome Resource (ClinGen). <i>Cancer Genetics</i> , 2019, 233-234, S14.	0.4	0

#	ARTICLE	IF	CITATIONS
37	30. Curation of genetic variants in childhood cancers within the Clinical Genome Resource (ClinGen). Cancer Genetics, 2020, 244, 11-12.	0.4	0
38	46. ClinGen somatic cancer working group: Enhancing standardized interpretation of cancer genetic data for clinical use. Cancer Genetics, 2020, 244, 17-18.	0.4	0
39	Extracting predictor variables for late effects of childhood cancer treatments from clinical notes.. Journal of Clinical Oncology, 2014, 32, 10085-10085.	1.6	0
40	Abstract 3158: In vivo acquired resistance to an emibetuzumab analogue in MET-amplified gastric xenografts can be overcome by a MET-targeting antibody mixture or PIK3CA/AKT/mTOR inhibition. , 2017, , .		0
41	Abstract 3222: The Virtual Molecular Tumor Board of the Variant Interpretation for Cancer Consortium: A systematic gateway connecting cancer genome interpretation and progress in genomic knowledgebases in cancer. , 2020, , .		0
42	Abstract 3211: Evolution of the CIViC knowledgebase for community driven curation of clinical variants in cancer. , 2020, , .		0
43	Abstract 1096: Harmonization standards from the Variant Interpretation for Cancer Consortium. , 2020, , .		0
44	Abstract 3215: ClinGen somatic cancer working group: Disseminating standardized cancer molecular diagnostic data and evidence through global collaboration and expert curation. , 2020, , .		0
45	Abstract A58: Curation of pediatric cancer variants within the Clinical Genome Resource (ClinGen). , 2020, , .		0
46	Standardizing And Democratizing Access To Cancer Molecular Diagnostic Test Data From Patients To Drive Translational Research. AMIA Summits on Translational Science Proceedings, 2018, 2017, 152-159.	0.4	0
47	Expert Variant Curation Combined with in-Silico analysis for Clinical Interpretation of BCL2 variants in Resistance to BCL2 Inhibitors in Chronic Lymphocytic Leukemia/ Small Lymphocytic Lymphoma. Blood, 2020, 136, 42-43.	1.4	0
48	Expert Curation of Somatic Variants in Hematological Malignancies By the ClinGen Somatic Hematological Cancer Taskforce (ClinGen HCT). Blood, 2020, 136, 23-23.	1.4	0