

Matthew Solomonson

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

9,716
citations

394286

19
h-index

610775

24
g-index

29
all docs

29
docs citations

29
times ranked

20970
citing authors

#	ARTICLE	IF	CITATIONS
1	The mutational constraint spectrum quantified from variation in 141,456 humans. <i>Nature</i> , 2020, 581, 434-443.	13.7	6,140
2	Mapping the human genetic architecture of COVID-19. <i>Nature</i> , 2021, 600, 472-477.	13.7	640
3	A structural variation reference for medical and population genetics. <i>Nature</i> , 2020, 581, 444-451.	13.7	614
4	The ExAC browser: displaying reference data information from over 60 000 exomes. <i>Nucleic Acids Research</i> , 2017, 45, D840-D845.	6.5	587
5	Rare coding variants in ten genes confer substantial risk for schizophrenia. <i>Nature</i> , 2022, 604, 509-516.	13.7	326
6	Ultra-Rare Genetic Variation in the Epilepsies: A Whole-Exome Sequencing Study of 17,606 Individuals. <i>American Journal of Human Genetics</i> , 2019, 105, 267-282.	2.6	237
7	Variant interpretation using population databases: Lessons from gnomAD. <i>Human Mutation</i> , 2022, 43, 1012-1030.	1.1	184
8	Transcript expression-aware annotation improves rare variant interpretation. <i>Nature</i> , 2020, 581, 452-458.	13.7	142
9	Evaluating drug targets through human loss-of-function genetic variation. <i>Nature</i> , 2020, 581, 459-464.	13.7	115
10	Structure of EspB from the ESX-1 Type VII Secretion System and Insights into its Export Mechanism. <i>Structure</i> , 2015, 23, 571-583.	1.6	85
11	Crystal Structure of Sulfide:Quinone Oxidoreductase from <i>Acidithiobacillus ferrooxidans</i> : Insights into Sulfidotrophic Respiration and Detoxification. <i>Journal of Molecular Biology</i> , 2010, 398, 292-305.	2.0	84
12	Pyranopterin conformation defines the function of molybdenum and tungsten enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14773-14778.	3.3	82
13	Exome sequencing in bipolar disorder identifies AKAP11 as a risk gene shared with schizophrenia. <i>Nature Genetics</i> , 2022, 54, 541-547.	9.4	65
14	Structure and mechanism of <i>Staphylococcus aureus</i> TarM, the wall teichoic acid Γ -glycosyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E576-85.	3.3	49
15	Structure of the Mycosin-1 Protease from the Mycobacterial ESX-1 Protein Type VII Secretion System. <i>Journal of Biological Chemistry</i> , 2013, 288, 17782-17790.	1.6	48
16	Addendum: The mutational constraint spectrum quantified from variation in 141,456 humans. <i>Nature</i> , 2021, 597, E3-E4.	13.7	45
17	Centers for Mendelian Genomics: A decade of facilitating gene discovery. <i>Genetics in Medicine</i> , 2022, 24, 784-797.	1.1	44
18	Distinct Metal Isoforms Underlie Promiscuous Activity Profiles of Metalloenzymes. <i>ACS Chemical Biology</i> , 2015, 10, 1684-1693.	1.6	42

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19	Sub-genic intolerance, ClinVar, and the epilepsies: A whole-exome sequencing study of 29,165 individuals. <i>American Journal of Human Genetics</i> , 2021, 108, 965-982.	2.6	35
20	<i>seqr</i> : A web-based analysis and collaboration tool for rare disease genomics. <i>Human Mutation</i> , 2022, , .	1.1	31
21	SARS-CoV-2 susceptibility and COVID-19 disease severity are associated with genetic variants affecting gene expression in a variety of tissues. <i>Cell Reports</i> , 2021, 37, 110020.	2.9	25
22	Preliminary X-ray crystallographic analysis of sulfide:quinone oxidoreductase from <i>Acidithiobacillus ferrooxidans</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 839-842.	0.7	6