

Tomas Malinauskas

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

4,551
citations

218381

26
h-index

276539

41
g-index

53
all docs

53
docs citations

53
times ranked

8943
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-particle cryo-EM at atomic resolution. <i>Nature</i> , 2020, 587, 152-156.	13.7	572
2	Neutralizing nanobodies bind SARS-CoV-2 spike RBD and block interaction with ACE2. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 846-854.	3.6	434
3	GABAA receptor signalling mechanisms revealed by structural pharmacology. <i>Nature</i> , 2019, 565, 454-459.	13.7	386
4	Neutralization of SARS-CoV-2 by Destruction of the Prefusion Spike. <i>Cell Host and Microbe</i> , 2020, 28, 445-454.e6.	5.1	298
5	Structural basis for the neutralization of SARS-CoV-2 by an antibody from a convalescent patient. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 950-958.	3.6	268
6	Cryo-EM structure of the human $\alpha 1\beta 2\gamma 2$ GABAA receptor in a lipid bilayer. <i>Nature</i> , 2019, 565, 516-520.	13.7	264
7	A COVID-19 vaccine candidate using SpyCatcher multimerization of the SARS-CoV-2 spike protein receptor-binding domain induces potent neutralising antibody responses. <i>Nature Communications</i> , 2021, 12, 542.	5.8	200
8	Combined sequence-based and genetic mapping analysis of complex traits in outbred rats. <i>Nature Genetics</i> , 2013, 45, 767-775.	9.4	176
9	Whole-genome sequencing reveals host factors underlying critical COVID-19. <i>Nature</i> , 2022, 607, 97-103.	13.7	174
10	Neuropilins lock secreted semaphorins onto plexins in a ternary signaling complex. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1293-1299.	3.6	160
11	Structure and function of the Smoothed extracellular domain in vertebrate Hedgehog signaling. <i>ELife</i> , 2013, 2, e01340.	2.8	140
12	Modular mechanism of Wnt signaling inhibition by Wnt inhibitory factor 1. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 886-893.	3.6	135
13	Structural and Functional Studies of LRP6 Ectodomain Reveal a Platform for Wnt Signaling. <i>Developmental Cell</i> , 2011, 21, 848-861.	3.1	109
14	Application of whole genome and RNA sequencing to investigate the genomic landscape of common variable immunodeficiency disorders. <i>Clinical Immunology</i> , 2015, 160, 301-314.	1.4	100
15	Extracellular modulators of Wnt signalling. <i>Current Opinion in Structural Biology</i> , 2014, 29, 77-84.	2.6	96
16	Glypicans shield the Wnt lipid moiety to enable signalling at a distance. <i>Nature</i> , 2020, 585, 85-90.	13.7	90
17	Structural Basis for Plexin Activation and Regulation. <i>Neuron</i> , 2016, 91, 548-560.	3.8	89
18	Genetic Control over mtDNA and Its Relationship to Major Depressive Disorder. <i>Current Biology</i> , 2015, 25, 3170-3177.	1.8	84

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19	Structural insights into proteoglycan-shaped Hedgehog signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16420-16425.	3.3	79
20	Site-Specific Steric Control of SARS-CoV-2 Spike Glycosylation. <i>Biochemistry</i> , 2021, 60, 2153-2169.	1.2	54
21	Efficacy of a Plasmodium vivax Malaria Vaccine Using ChAd63 and Modified Vaccinia Ankara Expressing Thrombospondin-Related Anonymous Protein as Assessed with Transgenic Plasmodium berghei Parasites. <i>Infection and Immunity</i> , 2014, 82, 1277-1286.	1.0	53
22	The morphogen Sonic hedgehog inhibits its receptor Patched by a pincer grasp mechanism. <i>Nature Chemical Biology</i> , 2019, 15, 975-982.	3.9	52
23	Structural Insights into the Inhibition of Wnt Signaling by Cancer Antigen 5T4/Wnt-Activated Inhibitory Factor 1. <i>Structure</i> , 2014, 22, 612-620.	1.6	42
24	R-spondins engage heparan sulfate proteoglycans to potentiate WNT signaling. <i>ELife</i> , 2020, 9, .	2.8	37
25	Differential assembly diversifies GABAA receptor structures and signalling. <i>Nature</i> , 2022, 604, 190-194.	13.7	36
26	A calcium-sensing receptor mutation causing hypocalcemia disrupts a transmembrane salt bridge to activate β -arrestin ¹ -biased signaling. <i>Science Signaling</i> , 2018, 11, .	1.6	32
27	Anti-prothrombin autoantibodies enriched after infection with SARS-CoV-2 and influenced by strength of antibody response against SARS-CoV-2 proteins. <i>PLoS Pathogens</i> , 2021, 17, e1010118.	2.1	30
28	Genomes and phenomes of a population of outbred rats and its progenitors. <i>Scientific Data</i> , 2014, 1, 140011.	2.4	25
29	Calcium-sensing receptor residues with loss- and gain-of-function mutations are located in regions of conformational change and cause signalling bias. <i>Human Molecular Genetics</i> , 2018, 27, 3720-3733.	1.4	23
30	Simultaneous binding of Guidance Cues NET1 and RGM blocks extracellular NEO1 signaling. <i>Cell</i> , 2021, 184, 2103-2120.e31.	13.5	20
31	Tailoring a Combination Preerythrocytic Malaria Vaccine. <i>Infection and Immunity</i> , 2016, 84, 622-634.	1.0	18
32	Repulsive guidance molecules lock growth differentiation factor 5 in an inhibitory complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15620-15631.	3.3	18
33	Docking of Fatty Acids into the WIF Domain of the Human Wnt Inhibitory Factor ¹ . <i>Lipids</i> , 2008, 43, 227-230.	0.7	17
34	Hedgehog-Interacting Protein is a multimodal antagonist of Hedgehog signalling. <i>Nature Communications</i> , 2021, 12, 7171.	5.8	16
35	Diversity of oligomerization in Drosophila semaphorins suggests a mechanism of functional fine-tuning. <i>Nature Communications</i> , 2019, 10, 3691.	5.8	10
36	Structure dynamics of HIV-1 Env trimers on native virions engaged with living T cells. <i>Communications Biology</i> , 2021, 4, 1228.	2.0	4

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37	High-throughput Molecular Docking Now in Reach for a Wider Biochemical Community. , 2012, , .		2
38	Production of Heteromeric Transmembrane Receptors with Defined Subunit Stoichiometry. Structure, 2016, 24, 653-655.	1.6	1