

# 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	Whole-genome sequencing reveals host factors underlying critical COVID-19. <i>Nature</i> , 2022, 607, 97-103.	13.7	174
2	Differential assembly diversifies GABAA receptor structures and signalling. <i>Nature</i> , 2022, 604, 190-194.	13.7	36
3	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
4	Simultaneous binding of Guidance Cues NET1 and RGM blocks extracellular NEO1 signaling. <i>Cell</i> , 2021, 184, 2103-2120.e31.	13.5	20
5	Site-Specific Steric Control of SARS-CoV-2 Spike Glycosylation. <i>Biochemistry</i> , 2021, 60, 2153-2169.	1.2	54
6	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
7	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
8	Hedgehog-Interacting Protein is a multimodal antagonist of Hedgehog signalling. <i>Nature Communications</i> , 2021, 12, 7171.	5.8	16
9	Single-particle cryo-EM at atomic resolution. <i>Nature</i> , 2020, 587, 152-156.	13.7	572
10	Glypicans shield the Wnt lipid moiety to enable signalling at a distance. <i>Nature</i> , 2020, 585, 85-90.	13.7	90
11	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
12	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
13	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
14	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
15	R-spondins engage heparan sulfate proteoglycans to potentiate WNT signaling. <i>ELife</i> , 2020, 9, .	2.8	37
16	Diversity of oligomerization in <i>Drosophila</i> semaphorins suggests a mechanism of functional fine-tuning. <i>Nature Communications</i> , 2019, 10, 3691.	5.8	10
17	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
18	GABAA receptor signalling mechanisms revealed by structural pharmacology. <i>Nature</i> , 2019, 565, 454-459.	13.7	386

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19	Cryo-EM structure of the human $\alpha 1\beta 2$ GABAA receptor in a lipid bilayer. <i>Nature</i> , 2019, 565, 516-520.	13.7	264
20	A calcium-sensing receptor mutation causing hypocalcemia disrupts a transmembrane salt bridge to activate $\beta$ -arrestin $\beta$ -biased signaling. <i>Science Signaling</i> , 2018, 11, .	1.6	32
21	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
22	Tailoring a Combination Preerythrocytic Malaria Vaccine. <i>Infection and Immunity</i> , 2016, 84, 622-634.	1.0	18
23	Structural Basis for Plexin Activation and Regulation. <i>Neuron</i> , 2016, 91, 548-560.	3.8	89
24	Production of Heteromeric Transmembrane Receptors with Defined Subunit Stoichiometry. <i>Structure</i> , 2016, 24, 653-655.	1.6	1
25	Genetic Control over mtDNA and Its Relationship to Major Depressive Disorder. <i>Current Biology</i> , 2015, 25, 3170-3177.	1.8	84
26	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
27	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
28	Extracellular modulators of Wnt signalling. <i>Current Opinion in Structural Biology</i> , 2014, 29, 77-84.	2.6	96
29	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
30	Genomes and phenomes of a population of outbred rats and its progenitors. <i>Scientific Data</i> , 2014, 1, 140011.	2.4	25
31	Combined sequence-based and genetic mapping analysis of complex traits in outbred rats. <i>Nature Genetics</i> , 2013, 45, 767-775.	9.4	176
32	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
33	Structure and function of the Smoothed extracellular domain in vertebrate Hedgehog signaling. <i>ELife</i> , 2013, 2, e01340.	2.8	140
34	High-throughput Molecular Docking Now in Reach for a Wider Biochemical Community. , 2012, , .		2
35	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
36	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

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37	Structural and Functional Studies of LRP6 Ectodomain Reveal a Platform for Wnt Signaling. <i>Developmental Cell</i> , 2011, 21, 848-861.	3.1	109
38	Docking of Fatty Acids into the WIF Domain of the Human Wnt Inhibitory Factorâ€1. <i>Lipids</i> , 2008, 43, 227-230.	0.7	17