Melissa Call

List of Publications by Year
in descending order

34 papers	1,165 citations	516710 16 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	1983 citing authors

#	Article	IF	Citations
1	Insights Into Drug Repurposing, as Well as Specificity and Compound Properties of Piperidine-Based SARS-CoV-2 PLpro Inhibitors. Frontiers in Chemistry, 2022, 10, 861209.	3.6	11
2	De novo-designed transmembrane domains tune engineered receptor functions. ELife, 2022, 11, .	6.0	19
3	Hello Possums!. Immunology and Cell Biology, 2021, 99, 674-676.	2.3	0
4	Human and viral membraneâ€“associated E3 ubiquitin ligases MARCH1 and MIR2 recognize different features of CD86 to downregulate surface expression. Journal of Biological Chemistry, 2021, 297, 100900.	3.4	8
5	The Influence of Chimeric Antigen Receptor Structural Domains on Clinical Outcomes and Associated Toxicities. Cancers, 2021, 13, 38.	3.7	17
6	T Cell Activation Machinery: Form and Function in Natural and Engineered Immune Receptors. International Journal of Molecular Sciences, 2020, 21, 7424.	4.1	9
7	Experimentally Guided Computational Methods Yield Highly Accurate Insights into Transmembrane Interactions within the T Cell Receptor Complex. Journal of Physical Chemistry B, 2020, 124, 10303-10310.	2.6	1
8	Novel drivers and modifiers of MPL-dependent oncogenic transformation identified by deep mutational scanning. Blood, 2020, 135, 287-292.	1.4	34
9	MARCH5 requires MTCH2 to coordinate proteasomal turnover of the MCL1:NOXA complex. Cell Death and Differentiation, 2020, 27, 2484-2499.	11.2	33
10	The serial millisecond crystallography instrument at the Australian Synchrotron incorporating the â€œLipidicoâ€•injector. Review of Scientific Instruments, 2019, 90, 085110.	1.3	20
11	THE MECHANISM OF ONCOGENIC MUTATIONS IN THE JUXTAMEMBRANE AND TRANSMEMBRANE REGION OF IL7RA AND TPOR/MPL. Experimental Hematology, 2019, 76, S59.	0.4	0
12	Protein-Eye View of the in Meso Crystallization Mechanism. Langmuir, 2019, 35, 8344-8356.	3.5	9
13	A serine in the first transmembrane domain of the human E3 ubiquitin ligase MARCH9 is critical for down-regulation of its protein substrates. Journal of Biological Chemistry, 2019, 294, 2470-2485.	3.4	10
14	Structural Conservation and Effects of Alterations in T Cell Receptor Transmembrane Interfaces. Biophysical Journal, 2018, 114, 1030-1035.	0.5	8
15	Transferrin receptor 1 is a reticulocyte-specific receptor for <i>Plasmodium vivax</i>. Science, 2018, 359, 48-55.	12.6	158
16	Lipidic Cubic Phase-Induced Membrane Protein Crystallization: Interplay Between Lipid Molecular Structure, Mesophase Structure and Properties, and Crystallogenesis. Crystal Growth and Design, 2017, 17, 5667-5674.	3.0	16
17	Conversion of Bim-BH3 from Activator to Inhibitor of Bak through Structure-Based Design. Molecular Cell, 2017, 68, 659-672.e9.	9.7	57
18	Transmembrane features governing Fc receptor CD16A assembly with CD16A signaling adaptor molecules. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5645-E5654.	7.1	32

#	Article	IF	Citations
19	Progress and prospects for structural studies of transmembrane interactions in single-spanning receptors. Current Opinion in Structural Biology, 2016, 39, 115-123.	5.7	22
20	A conserved Î±Î² transmembrane interface forms the core of a compact T-cell receptorâ€“CD3 structure within the membrane. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6649-E6658.	7.1	40
21	Exploring the <i>in meso</i> crystallization mechanism by characterizing the lipid mesophase microenvironment during the growth of single transmembrane Î±-helical peptide crystals. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150125.	3.4	14
22	Crystal Structure of the Glycophorin A Transmembrane Dimer in Lipidic Cubic Phase. Journal of the American Chemical Society, 2015, 137, 15676-15679.	13.7	49
23	Characterization of Inhibitors and Monoclonal Antibodies That Modulate the Interaction between Plasmodium falciparum Adhesin PfRh4 with Its Erythrocyte Receptor Complement Receptor 1. Journal of Biological Chemistry, 2015, 290, 25307-25321.	3.4	12
24	Transmembrane Complexes of DAP12 Crystallized in Lipid Membranes Provide Insights into Control of Oligomerization in Immunoreceptor Assembly. Cell Reports, 2015, 11, 1184-1192.	6.4	20
25	Structure of the Chicken CD3Ïµ΄/Î³ Heterodimer and Its Assembly with the Î±Î²T Cell Receptor. Journal of Biological Chemistry, 2014, 289, 8240-8251.	3.4	13
26	Peptide Loading of MHC. , 2013, , 687-696.		0
27	Targeting of a natural killer cell receptor family by a viral immunoevasin. Nature Immunology, 2013, 14, 699-705.	14.5	41
28	Disruption of Hydrogen Bonds between Major Histocompatibility Complex Class II and the Peptide N-Terminus Is Not Sufficient to Form a Human Leukocyte Antigen-DM Receptive State of Major Histocompatibility Complex Class II. PLoS ONE, 2013, 8, e69228.	2.5	12
29	Crystal Structure of the HLA-DMâ€“HLA-DR1 Complex Defines Mechanisms for Rapid Peptide Selection. Cell, 2012, 151, 1557-1568.	28.9	149
30	HLA-DM captures partially empty HLA-DR molecules for catalyzed removal of peptide. Nature Immunology, 2011, 12, 54-61.	14.5	89
31	Small molecule modulators of MHC class II antigen presentation: Mechanistic insights and implications for therapeutic application. Molecular Immunology, 2011, 48, 1735-1743.	2.2	15
32	Structural Biology of the T-cell Receptor: Insights into Receptor Assembly, Ligand Recognition, and Initiation of Signaling. Cold Spring Harbor Perspectives in Biology, 2010, 2, a005140-a005140.	5.5	136
33	In Vivo Enhancement of Peptide Display by MHC Class II Molecules with Small Molecule Catalysts of Peptide Exchange. Journal of Immunology, 2009, 182, 6342-6352.	0.8	31
34	Structural alterations in peptideâ€“MHC recognition by self-reactive T cell receptors. Current Opinion in Immunology, 2009, 21, 590-595.	5.5	77