Matthew E Call

List of Publications by Year
in descending order

37 papers	3,083 citations	279798 23 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	3462 citing authors

#	Article	IF	Citations
1	De novo-designed transmembrane domains tune engineered receptor functions. ELife, 2022, 11, .	6.0	19
2	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
3	The Influence of Chimeric Antigen Receptor Structural Domains on Clinical Outcomes and Associated Toxicities. Cancers, 2021, 13, 38.	3.7	17
4	T Cell Activation Machinery: Form and Function in Natural and Engineered Immune Receptors. International Journal of Molecular Sciences, 2020, 21, 7424.	4.1	9
5	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
6	Novel drivers and modifiers of MPL-dependent oncogenic transformation identified by deep mutational scanning. Blood, 2020, 135, 287-292.	1.4	34
7	Protein-Eye View of the in Meso Crystallization Mechanism. Langmuir, 2019, 35, 8344-8356.	3.5	9
8	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
9	Structural Conservation and Effects of Alterations in T Cell Receptor Transmembrane Interfaces. Biophysical Journal, 2018, 114, 1030-1035.	0.5	8
10	Modular Activating Receptors in Innate and Adaptive Immunity. Biochemistry, 2017, 56, 1383-1402.	2.5	14
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Structure of the Chicken CD3ÏµÎ´/Î³ Heterodimer and Its Assembly with the Î±Î²T Cell Receptor. Journal of Biological Chemistry, 2014, 289, 8240-8251.	3.4	13

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19	A View into the Blind Spot: Solution NMR Provides New Insights into Signal Transduction Across the Lipid Bilayer. Structure, 2010, 18, 1559-1569.	3.3	27
20	The structural basis for intramembrane assembly of an activating immunoreceptor complex. Nature Immunology, 2010, 11, 1023-1029.	14.5	176
21	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
22	Response Multilayered Control of T Cell Receptor Phosphorylation. Cell, 2010, 142, 669-671.	28.9	32
23	Regulation of T Cell Receptor Activation by Dynamic Membrane Binding of the CD3É› Cytoplasmic Tyrosine-Based Motif. Cell, 2008, 135, 702-713.	28.9	391
24	Common themes in the assembly and architecture of activating immune receptors. Nature Reviews Immunology, 2007, 7, 841-850.	22.7	96
25	Dominant-negative effect of the heterozygous C104R TACI mutation in common variable immunodeficiency (CVID). Journal of Clinical Investigation, 2007, 117, 1550-1557.	8.2	93
26	The Structure of the Î¶Î¶ Transmembrane Dimer Reveals Features Essential for Its Assembly with the T Cell Receptor. Cell, 2006, 127, 355-368.	28.9	221
27	Recapitulation of Short RNA-Directed Translational Gene Silencing In Vitro. Molecular Cell, 2006, 22, 553-560.	9.7	166
28	A Membrane-proximal Tetracysteine Motif Contributes to Assembly of CD3Î´Îµ and CD3Î³Îµ Dimers with the T Cell Receptor. Journal of Biological Chemistry, 2006, 281, 36977-36984.	3.4	36
29	The Assembly of Diverse Immune Receptors Is Focused on a Polar Membrane-Embedded Interaction Site. PLoS Biology, 2006, 4, e142.	5.6	64
30	The activating NKG2D receptor assembles in the membrane with two signaling dimers into a hexameric structure. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7641-7646.	7.1	168
31	Antibodies from Inflamed Central Nervous System Tissue Recognize Myelin Oligodendrocyte Glycoprotein. Journal of Immunology, 2005, 175, 1974-1982.	0.8	155
32	THE T CELL RECEPTOR: Critical Role of the Membrane Environment in Receptor Assembly and Function. Annual Review of Immunology, 2005, 23, 101-125.	21.8	172
33	Convergence on a Distinctive Assembly Mechanism by Unrelated Families of Activating Immune Receptors. Immunity, 2005, 22, 427-438.	14.3	77
34	Stoichiometry of the T-cell receptorâ€“CD3 complex and key intermediates assembled in the endoplasmic reticulum. EMBO Journal, 2004, 23, 2348-2357.	7.8	90
35	Molecular mechanisms for the assembly of the T cell receptorâ€“CD3 complex. Molecular Immunology, 2004, 40, 1295-1305.	2.2	89
36	The Organizing Principle in the Formation of the T Cell Receptor-CD3 Complex. Cell, 2002, 111, 967-979.	28.9	368

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37	Properties of the hybrid form of the 26S proteasome containing both 19S and PA28 complexes. EMBO Journal, 2002, 21, 2636-2645.	7.8	188