

Matthew E Call

List of Publications by Year in descending order

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37
papers

3,083
citations

279798

23
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330143

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docs citations

39
times ranked

3462
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of T Cell Receptor Activation by Dynamic Membrane Binding of the CD3 ϵ Cytoplasmic Tyrosine-Based Motif. <i>Cell</i> , 2008, 135, 702-713.	28.9	391
2	The Organizing Principle in the Formation of the T Cell Receptor-CD3 Complex. <i>Cell</i> , 2002, 111, 967-979.	28.9	368
3	The Structure of the $\epsilon\epsilon$ Transmembrane Dimer Reveals Features Essential for Its Assembly with the T Cell Receptor. <i>Cell</i> , 2006, 127, 355-368.	28.9	221
4	Properties of the hybrid form of the 26S proteasome containing both 19S and PA28 complexes. <i>EMBO Journal</i> , 2002, 21, 2636-2645.	7.8	188
5	The structural basis for intramembrane assembly of an activating immunoreceptor complex. <i>Nature Immunology</i> , 2010, 11, 1023-1029.	14.5	176
6	THE T CELL RECEPTOR: Critical Role of the Membrane Environment in Receptor Assembly and Function. <i>Annual Review of Immunology</i> , 2005, 23, 101-125.	21.8	172
7	The activating NKG2D receptor assembles in the membrane with two signaling dimers into a hexameric structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7641-7646.	7.1	168
8	Recapitulation of Short RNA-Directed Translational Gene Silencing In Vitro. <i>Molecular Cell</i> , 2006, 22, 553-560.	9.7	166
9	Antibodies from Inflamed Central Nervous System Tissue Recognize Myelin Oligodendrocyte Glycoprotein. <i>Journal of Immunology</i> , 2005, 175, 1974-1982.	0.8	155
10	Structural Biology of the T-cell Receptor: Insights into Receptor Assembly, Ligand Recognition, and Initiation of Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a005140-a005140.	5.5	136
11	Common themes in the assembly and architecture of activating immune receptors. <i>Nature Reviews Immunology</i> , 2007, 7, 841-850.	22.7	96
12	Dominant-negative effect of the heterozygous C104R TACI mutation in common variable immunodeficiency (CVID). <i>Journal of Clinical Investigation</i> , 2007, 117, 1550-1557.	8.2	93
13	Stoichiometry of the T-cell receptor ϵ -CD3 complex and key intermediates assembled in the endoplasmic reticulum. <i>EMBO Journal</i> , 2004, 23, 2348-2357.	7.8	90
14	Molecular mechanisms for the assembly of the T cell receptor ϵ -CD3 complex. <i>Molecular Immunology</i> , 2004, 40, 1295-1305.	2.2	89
15	Convergence on a Distinctive Assembly Mechanism by Unrelated Families of Activating Immune Receptors. <i>Immunity</i> , 2005, 22, 427-438.	14.3	77
16	The Assembly of Diverse Immune Receptors Is Focused on a Polar Membrane-Embedded Interaction Site. <i>PLoS Biology</i> , 2006, 4, e142.	5.6	64
17	Crystal Structure of the Glycophorin A Transmembrane Dimer in Lipidic Cubic Phase. <i>Journal of the American Chemical Society</i> , 2015, 137, 15676-15679.	13.7	49
18	A conserved $\epsilon\epsilon$ transmembrane interface forms the core of a compact T-cell receptor ϵ -CD3 structure within the membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6649-E6658.	7.1	40

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19	A Membrane-proximal Tetracysteine Motif Contributes to Assembly of CD3 ϵ and CD3 δ Dimers with the T Cell Receptor. <i>Journal of Biological Chemistry</i> , 2006, 281, 36977-36984.	3.4	36
20	Novel drivers and modifiers of MPL-dependent oncogenic transformation identified by deep mutational scanning. <i>Blood</i> , 2020, 135, 287-292.	1.4	34
21	Response Multilayered Control of T Cell Receptor Phosphorylation. <i>Cell</i> , 2010, 142, 669-671.	28.9	32
22	Transmembrane features governing Fc receptor CD16A assembly with CD16A signaling adaptor molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5645-E5654.	7.1	32
23	A View into the Blind Spot: Solution NMR Provides New Insights into Signal Transduction Across the Lipid Bilayer. <i>Structure</i> , 2010, 18, 1559-1569.	3.3	27
24	Progress and prospects for structural studies of transmembrane interactions in single-spanning receptors. <i>Current Opinion in Structural Biology</i> , 2016, 39, 115-123.	5.7	22
25	Transmembrane Complexes of DAP12 Crystallized in Lipid Membranes Provide Insights into Control of Oligomerization in Immunoreceptor Assembly. <i>Cell Reports</i> , 2015, 11, 1184-1192.	6.4	20
26	De novo-designed transmembrane domains tune engineered receptor functions. <i>ELife</i> , 2022, 11, .	6.0	19
27	The Influence of Chimeric Antigen Receptor Structural Domains on Clinical Outcomes and Associated Toxicities. <i>Cancers</i> , 2021, 13, 38.	3.7	17
28	Lipidic Cubic Phase-Induced Membrane Protein Crystallization: Interplay Between Lipid Molecular Structure, Mesophase Structure and Properties, and Crystallogenesis. <i>Crystal Growth and Design</i> , 2017, 17, 5667-5674.	3.0	16
29	Exploring the <i>in meso</i> crystallization mechanism by characterizing the lipid mesophase microenvironment during the growth of single transmembrane α -helical peptide crystals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150125.	3.4	14
30	Modular Activating Receptors in Innate and Adaptive Immunity. <i>Biochemistry</i> , 2017, 56, 1383-1402.	2.5	14
31	Structure of the Chicken CD3 ϵ / δ Heterodimer and Its Assembly with the ϵ CD3 T Cell Receptor. <i>Journal of Biological Chemistry</i> , 2014, 289, 8240-8251.	3.4	13
32	A serine in the first transmembrane domain of the human E3 ubiquitin ligase MARCH9 is critical for down-regulation of its protein substrates. <i>Journal of Biological Chemistry</i> , 2019, 294, 2470-2485.	3.4	10
33	Protein-Eye View of the <i>in Meso</i> Crystallization Mechanism. <i>Langmuir</i> , 2019, 35, 8344-8356.	3.5	9
34	T Cell Activation Machinery: Form and Function in Natural and Engineered Immune Receptors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7424.	4.1	9
35	Structural Conservation and Effects of Alterations in T Cell Receptor Transmembrane Interfaces. <i>Biophysical Journal</i> , 2018, 114, 1030-1035.	0.5	8
36	Human and viral membrane-associated E3 ubiquitin ligases MARCH1 and MIR2 recognize different features of CD86 to downregulate surface expression. <i>Journal of Biological Chemistry</i> , 2021, 297, 100900.	3.4	8

#	ARTICLE	IF	CITATIONS
37	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