

Joanna Brzostek

List of Publications by Year in descending order

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36
papers

926
citations

567281

15
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	TCR Signal Strength and T Cell Development. Annual Review of Cell and Developmental Biology, 2016, 32, 327-348.	9.4	127
2	Themis sets the signal threshold for positive and negative selection in T-cell development. Nature, 2013, 504, 441-445.	27.8	99
3	Signaling from T cell receptors (TCRs) and chimeric antigen receptors (CARs) on T cells. Cellular and Molecular Immunology, 2020, 17, 600-612.	10.5	82
4	Fine-tuning T cell receptor signaling to control T cell development. Trends in Immunology, 2014, 35, 311-318.	6.8	67
5	Ligand-engaged TCR is triggered by Lck not associated with CD8 coreceptor. Nature Communications, 2014, 5, 5624.	12.8	62
6	Modification of the Campylobacter jejuni flagellin glycan by the product of the Cj1295 homopolymeric-tract-containing gene. Microbiology (United Kingdom), 2010, 156, 1953-1962.	1.8	50
7	Matched Sizes of Activating and Inhibitory Receptor/Ligand Pairs Are Required for Optimal Signal Integration by Human Natural Killer Cells. PLoS ONE, 2010, 5, e15374.	2.5	45
8	Cell Type-Specific Regulation of Immunological Synapse Dynamics by B7 Ligand Recognition. Frontiers in Immunology, 2016, 7, 24.	4.8	44
9	Membranous Structures Transfer Cell Surface Proteins Across NK Cell Immune Synapses. Traffic, 2007, 8, 1190-1204.	2.7	43
10	T cell receptor and cytokine signal integration in CD8+ T cells is mediated by the protein Themis. Nature Immunology, 2020, 21, 186-198.	14.5	34
11	Coreceptor affinity for MHC defines peptide specificity requirements for TCR interaction with coagonist peptide-MHC. Journal of Experimental Medicine, 2013, 210, 1807-1821.	8.5	32
12	Lck bound to coreceptor is less active than free Lck. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15809-15817.	7.1	29
13	Initiation of TCR Phosphorylation and Signal Transduction. Frontiers in Immunology, 2011, 2, 72.	4.8	24
14	Themis-associated phosphatase activity controls signaling in T cell development. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11331-E11340.	7.1	21
15	Ligand dimensions are important in controlling NK cell responses. European Journal of Immunology, 2010, 40, 2050-2059.	2.9	19
16	Development of a screening strategy for new modulators of T cell receptor signaling and T cell activation. Scientific Reports, 2018, 8, 10046.	3.3	15
17	Single Molecule Force Spectroscopy Reveals Distinctions in Key Biophysical Parameters of $\hat{\pm}1^2$ T-Cell Receptors Compared with Chimeric Antigen Receptors Directed at the Same Ligand. Journal of Physical Chemistry Letters, 2021, 12, 7566-7573.	4.6	15
18	Thymic Origins of T Cell Receptor Alloreactivity. Transplantation, 2017, 101, 1535-1541.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Identification of a novel lymphoid population in the murine epidermis. <i>Scientific Reports</i> , 2015, 5, 12554.	3.3	13
20	Nonstimulatory peptide-MHC enhances human T-cell antigen-specific responses by amplifying proximal TCR signaling. <i>Nature Communications</i> , 2018, 9, 2716.	12.8	12
21	Themis is indispensable for IL-2 and IL-15 signaling in T cells. <i>Science Signaling</i> , 2022, 15, eabi9983.	3.6	11
22	A Dual Inhibitor of Cdc7/Cdk9 Potently Suppresses T Cell Activation. <i>Frontiers in Immunology</i> , 2019, 10, 1718.	4.8	10
23	Themis regulates metabolic signaling and effector functions in CD4+ T cells by controlling NFAT nuclear translocation. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2249-2261.	10.5	10
24	Targeting CAR to the Peptide-MHC Complex Reveals Distinct Signaling Compared to That of TCR in a Jurkat T Cell Model. <i>Cancers</i> , 2021, 13, 867.	3.7	9
25	Properties and Applications of Single-Chain Major Histocompatibility Complex Class I Molecules. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 645-655.	5.4	8
26	Identification of Mediators of T-cell Receptor Signaling via the Screening of Chemical Inhibitor Libraries. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	8
27	Use of Single Chain MHC Technology to Investigate Co-agonism in Human CD8+ T Cell Activation. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	6
28	Expansion of an Unusual Virtual Memory CD8+ Subpopulation Bearing V β 3.2 TCR in Themis-Deficient Mice. <i>Frontiers in Immunology</i> , 2021, 12, 644483.	4.8	5
29	SHP1-ing thymic selection. <i>European Journal of Immunology</i> , 2016, 46, 2091-2094.	2.9	3
30	CD8+ T cells have commitment issues. <i>Nature Immunology</i> , 2018, 19, 797-799.	14.5	3
31	Single Cell Analysis of Drug Susceptibility of Mycobacterium abscessus during Macrophage Infection. <i>Antibiotics</i> , 2020, 9, 711.	3.7	3
32	Editorial: Vibrio Virulence Regulation and Host Interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 793464.	3.9	2
33	Too Fast to Die. <i>Science Signaling</i> , 2013, 6, pe33.	3.6	1
34	Dimerization of Soluble Disulfide Trap Single-Chain Major Histocompatibility Complex Class I Molecules Dependent on Peptide Binding Affinity. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 635-644.	5.4	0
35	Vive la peptide difference!. <i>Nature Immunology</i> , 2016, 17, 896-898.	14.5	0
36	Non-Stimulatory pMHC Enhance CD8 T Cell Effector Functions by Recruiting Coreceptor-Bound Lck. <i>Frontiers in Immunology</i> , 2021, 12, 721722.	4.8	0