

Susana Minguet

List of Publications by Year in descending order

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53
papers

3,010
citations

186265

28
h-index

168389

53
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58
all docs

58
docs citations

58
times ranked

5232
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical Remodeling of the Microenvironment by Stromal Caveolin-1 Favors Tumor Invasion and Metastasis. <i>Cell</i> , 2011, 146, 148-163.	28.9	603
2	Full Activation of the T Cell Receptor Requires Both Clustering and Conformational Changes at CD3. <i>Immunity</i> , 2007, 26, 43-54.	14.3	229
3	A Cholesterol-Based Allosteric Model of T Cell Receptor Phosphorylation. <i>Immunity</i> , 2016, 44, 1091-1101.	14.3	183
4	Adenosine and cAMP are potent inhibitors of the NF- κ B pathway downstream of immunoreceptors. <i>European Journal of Immunology</i> , 2005, 35, 31-41.	2.9	169
5	Oncogenic JAK2 ^{V617F} causes PD-L1 expression, mediating immune escape in myeloproliferative neoplasms. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	166
6	Role of zetaPKC in B-cell signaling and function. <i>EMBO Journal</i> , 2002, 21, 4049-4057.	7.8	122
7	Blue Native Polyacrylamide Gel Electrophoresis (BN-PAGE) for the Identification and Analysis of Multiprotein Complexes. <i>Science Signaling</i> , 2006, 2006, pl4-pl4.	3.6	115
8	Phytochrome-Based Extracellular Matrix with Reversibly Tunable Mechanical Properties. <i>Advanced Materials</i> , 2019, 31, e1806727.	21.0	104
9	Caveolin-1 deficiency induces a MEK-ERK1/2-dependent epithelial-mesenchymal transition and fibrosis during peritoneal dialysis. <i>EMBO Molecular Medicine</i> , 2015, 7, 102-123.	6.9	79
10	Noncanonical binding of Lck to CD3 ζ promotes TCR signaling and CAR function. <i>Nature Immunology</i> , 2020, 21, 902-913.	14.5	68
11	Enhanced B-cell activation mediated by TLR4 and BCR crosstalk. <i>European Journal of Immunology</i> , 2008, 38, 2475-2487.	2.9	67
12	A conformation- and avidity-based proofreading mechanism for the TCR-CD3 complex. <i>Trends in Immunology</i> , 2006, 27, 176-182.	6.8	65
13	Biglycan expression in the melanoma microenvironment promotes invasiveness via increased tissue stiffness inducing integrin- β 1 expression. <i>Oncotarget</i> , 2017, 8, 42901-42916.	1.8	60
14	The first 3 days of B-cell development in the mouse embryo. <i>Blood</i> , 2002, 100, 4074-4081.	1.4	58
15	Different composition of the human and the mouse α β T cell receptor explains different phenotypes of CD3 δ and CD3 ζ immunodeficiencies. <i>Journal of Experimental Medicine</i> , 2007, 204, 2537-2544.	8.5	56
16	Low-valency, but not monovalent, antigens trigger the B-cell antigen receptor (BCR). <i>International Immunology</i> , 2010, 22, 205-212.	4.0	51
17	The TCR is an allosterically regulated macromolecular machinery changing its conformation while working. <i>Immunological Reviews</i> , 2019, 291, 8-25.	6.0	50
18	A permissive geometry model for TCR-CD3 activation. <i>Trends in Biochemical Sciences</i> , 2008, 33, 51-57.	7.5	48

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19	A population of c-Kitlow(CD45/TER119)â€“ hepatic cell progenitors of 11-day postcoitus mouse embryo liver reconstitutes cell-depleted liver organoids. <i>Journal of Clinical Investigation</i> , 2003, 112, 1152-1163.	8.2	48
20	The CD3 Conformational Change in the Î³Î³ T Cell Receptor Is Not Triggered by Antigens but Can Be Enforced to Enhance Tumor Killing. <i>Cell Reports</i> , 2014, 7, 1704-1715.	6.4	47
21	Oxysterol-binding protein-related protein (ORP) 9 is a PDK-2 substrate and regulates Akt phosphorylation. <i>Cellular Signalling</i> , 2007, 19, 384-392.	3.6	46
22	Dual-controlled optogenetic system for the rapid down-regulation of protein levels in mammalian cells. <i>Scientific Reports</i> , 2018, 8, 15024.	3.3	46
23	Caveolin-1 regulates TCR signal strength and regulatory T-cell differentiation into alloreactive T cells. <i>Blood</i> , 2016, 127, 1930-1939.	1.4	44
24	The BTG2-PRMT1 module limits pre-B cell expansion by regulating the CDK4-Cyclin-D3 complex. <i>Nature Immunology</i> , 2017, 18, 911-920.	14.5	44
25	The Allosteric Model of TCR Regulation. <i>Journal of Immunology</i> , 2017, 198, 47-52.	0.8	42
26	Caveolin-1-dependent nanoscale organization of the BCR regulates B cell tolerance. <i>Nature Immunology</i> , 2017, 18, 1150-1159.	14.5	42
27	A New Vampire Saga: The Molecular Mechanism of T Cell Trogocytosis. <i>Immunity</i> , 2011, 35, 151-153.	14.3	37
28	A native antibody-based mobility-shift technique (NAMOS-assay) to determine the stoichiometry of multiprotein complexes. <i>Journal of Immunological Methods</i> , 2007, 324, 74-83.	1.4	31
29	Non-overlapping functions of Nck1 and Nck2 adaptor proteins in T cell activation. <i>Cell Communication and Signaling</i> , 2014, 12, 21.	6.5	31
30	Id3 Maintains Foxp3 Expression in Regulatory T Cells by Controlling a Transcriptional Network of E47, Spi-B, and SOCS3. <i>Cell Reports</i> , 2016, 17, 2827-2836.	6.4	30
31	Nck Binds to the T Cell Antigen Receptor Using Its SH3.1 and SH2 Domains in a Cooperative Manner, Promoting TCR Functioning. <i>Journal of Immunology</i> , 2016, 196, 448-458.	0.8	20
32	Anti-CD3 Fab Fragments Enhance Tumor Killing by Human Î³Î³ T Cells Independent of Nck Recruitment to the Î³Î³ T Cell Antigen Receptor. <i>Frontiers in Immunology</i> , 2018, 9, 1579.	4.8	19
33	Proximal <i>Lck</i> Promoterâ€“Driven <i>Cre</i> Function Is Limited in Neonatal and Ineffective in Adult Î³Î³ T Cell Development. <i>Journal of Immunology</i> , 2019, 203, 569-579.	0.8	19
34	Kidins220/ARMS binds to the B cell antigen receptor and regulates B cell development and activation. <i>Journal of Experimental Medicine</i> , 2015, 212, 1693-1708.	8.5	18
35	Long-lived polyclonal B-cell lines derived from midgestation mouse embryo lymphohematopoietic progenitors reconstitute adult immunodeficient mice. <i>Blood</i> , 2001, 98, 1862-1871.	1.4	16
36	The short length of the extracellular domain of Î¶ is crucial for T cell antigen receptor function. <i>Immunology Letters</i> , 2008, 116, 195-202.	2.5	14

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37	Caveolin-1: The Unnoticed Player in TCR and BCR Signaling. <i>Advances in Immunology</i> , 2018, 137, 83-133.	2.2	14
38	NLRC5 promotes transcription of <i>BTN3A1-3</i> genes and $\text{V}\alpha 9\text{V}\beta 2$ T cell-mediated killing. <i>IScience</i> , 2021, 24, 101900.	4.1	14
39	Association of protein kinase $\text{C}\beta$ with the B cell antigen receptor complex. <i>Cellular Signalling</i> , 2007, 19, 715-722.	3.6	12
40	The extracellular part of $\text{I}\eta$ is buried in the T cell antigen receptor complex. <i>Immunology Letters</i> , 2008, 116, 203-210.	2.5	12
41	Tyrosine 192 within the SH2 domain of the Src-protein tyrosine kinase p56Lck regulates T-cell activation independently of Lck/CD45 interactions. <i>Cell Communication and Signaling</i> , 2020, 18, 183.	6.5	12
42	Anesthesia triggers drug delivery to experimental glioma in mice by hijacking caveolar transport. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab140.	0.7	10
43	Permissive Geometry Model. <i>Advances in Experimental Medicine and Biology</i> , 2008, 640, 113-120.	1.6	9
44	Regulatory T cells characterized by low <i>Id3</i> expression are highly suppressive and accumulate during chronic infection. <i>Oncotarget</i> , 2017, 8, 102835-102851.	1.8	8
45	Different composition of the human and the mouse $\text{I}\beta 1$ T cell receptor explains different phenotypes of $\text{CD3}\beta$ and $\text{CD3}\delta$ immunodeficiencies. <i>Journal of Experimental Medicine</i> , 2007, 204, 3049-3049.	8.5	7
46	Actin polymerization regulates recruitment of Nck to $\text{CD3}\mu$ upon T cell receptor triggering. <i>Immunology</i> , 2020, 159, 298-308.	4.4	6
47	Caveolin-1, tetraspanin CD81 and flotillins in lymphocyte cell membrane organization, signaling and immunopathology. <i>Biochemical Society Transactions</i> , 2020, 48, 2387-2397.	3.4	6
48	Activation of the TCR Complex by Peptide-MHC and Superantigens. <i>Exs</i> , 2014, 104, 9-23.	1.4	5
49	Cooperative Interaction of Nck and Lck Orchestrates Optimal TCR Signaling. <i>Cells</i> , 2021, 10, 834.	4.1	4
50	Biomaterials: Phytochrome-Based Extracellular Matrix with Reversibly Tunable Mechanical Properties (<i>Adv. Mater.</i> 12/2019). <i>Advanced Materials</i> , 2019, 31, 1970083.	21.0	1
51	Low Pre-Transplant Caveolin-1 Serum Concentrations Are Associated with Acute Cellular Tubulointerstitial Rejection in Kidney Transplantation. <i>Molecules</i> , 2021, 26, 2648.	3.8	1
52	Inborn errors of immunity and immunodeficiencies: Antibody-mediated pathology and autoimmunity as a consequence of impaired immune reactions. <i>European Journal of Immunology</i> , 2022, 52, 1396-1405.	2.9	1
53	Caveolin-1 Is Required For T Cell-Mediated Acute GvHD. <i>Blood</i> , 2013, 122, 4461-4461.	1.4	0