

Michael Dustin

List of Publications by Year in descending order

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233
papers

25,661
citations

9264

74
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7160

153
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docs citations

354
times ranked

21796
citing authors

#	ARTICLE	IF	CITATIONS
1	The Immunological Synapse: A Molecular Machine Controlling T Cell Activation. <i>Science</i> , 1999, 285, 221-227.	12.6	2,861
2	Germinal Center Dynamics Revealed by Multiphoton Microscopy with a Photoactivatable Fluorescent Reporter. <i>Cell</i> , 2010, 143, 592-605.	28.9	1,026
3	Visualizing dendritic cell networks in vivo. <i>Nature Immunology</i> , 2004, 5, 1243-1250.	14.5	823
4	T Cell Receptor-Proximal Signals Are Sustained in Peripheral Microclusters and Terminated in the Central Supramolecular Activation Cluster. <i>Immunity</i> , 2006, 25, 117-127.	14.3	777
5	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	2.9	766
6	Newly generated T cell receptor microclusters initiate and sustain T cell activation by recruitment of Zap70 and SLP-76. <i>Nature Immunology</i> , 2005, 6, 1253-1262.	14.5	648
7	A Novel Adaptor Protein Orchestrates Receptor Patterning and Cytoskeletal Polarity in T-Cell Contacts. <i>Cell</i> , 1998, 94, 667-677.	28.9	642
8	The immunological synapse and the actin cytoskeleton: molecular hardware for T cell signaling. <i>Nature Immunology</i> , 2000, 1, 23-29.	14.5	593
9	Actin and agonist MHC-peptide complex-dependent T cell receptor microclusters as scaffolds for signaling. <i>Journal of Experimental Medicine</i> , 2005, 202, 1031-1036.	8.5	571
10	Altered TCR Signaling from Geometrically Repatterned Immunological Synapses. <i>Science</i> , 2005, 310, 1191-1193.	12.6	491
11	Calcineurin imposes T cell unresponsiveness through targeted proteolysis of signaling proteins. <i>Nature Immunology</i> , 2004, 5, 255-265.	14.5	489
12	Regulatory T cells inhibit stable contacts between CD4+ T cells and dendritic cells in vivo. <i>Journal of Experimental Medicine</i> , 2006, 203, 505-511.	8.5	471
13	Functional Anatomy of T Cell Activation and Synapse Formation. <i>Annual Review of Immunology</i> , 2010, 28, 79-105.	21.8	440
14	Making the T Cell Receptor Go the Distance: A Topological View of T Cell Activation. <i>Immunity</i> , 1997, 6, 361-369.	14.3	381
15	Antigen receptor engagement delivers a stop signal to migrating T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3909-3913.	7.1	361
16	Polarized release of T-cell-receptor-enriched microvesicles at the immunological synapse. <i>Nature</i> , 2014, 507, 118-123.	27.8	354
17	Mechanisms for segregating T cell receptor and adhesion molecules during immunological synapse formation in Jurkat T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20296-20301.	7.1	348
18	The Immunological Synapse. <i>Cancer Immunology Research</i> , 2014, 2, 1023-1033.	3.4	330

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19	Opposing Effects of PKC ζ and WASp on Symmetry Breaking and Relocation of the Immunological Synapse. <i>Cell</i> , 2007, 129, 773-785.	28.9	316
20	Transcriptional insights into the CD8+ T cell response to infection and memory T cell formation. <i>Nature Immunology</i> , 2013, 14, 404-412.	14.5	303
21	T α cell activation through immunological synapses and kinapses. <i>Immunological Reviews</i> , 2008, 221, 77-89.	6.0	277
22	The immunological synapse and CD28-CD80 interactions. <i>Nature Immunology</i> , 2001, 2, 1159-1166.	14.5	276
23	Crosstalk between Regulatory T Cells and Tumor-Associated Dendritic Cells Negates Anti-tumor Immunity in Pancreatic Cancer. <i>Cell Reports</i> , 2017, 20, 558-571.	6.4	273
24	Cytoskeletal polarization and redistribution of cell-surface molecules during T cell antigen recognition. <i>Seminars in Immunology</i> , 2000, 12, 5-21.	5.6	264
25	Spatiotemporal Regulation of T Cell Costimulation by TCR-CD28 Microclusters and Protein Kinase C ζ Translocation. <i>Immunity</i> , 2008, 29, 589-601.	14.3	261
26	Protein Kinase C- ζ Mediates Negative Feedback on Regulatory T Cell Function. <i>Science</i> , 2010, 328, 372-376.	12.6	261
27	What is the importance of the immunological synapse?. <i>Trends in Immunology</i> , 2004, 25, 323-327.	6.8	256
28	Neural and Immunological Synaptic Relations. <i>Science</i> , 2002, 298, 785-789.	12.6	243
29	Costimulation: Building an Immunological Synapse. <i>Science</i> , 1999, 283, 649-650.	12.6	230
30	Supported planar bilayers in studies on immune cell adhesion and communication. <i>Journal of Immunological Methods</i> , 2003, 278, 19-32.	1.4	228
31	Visualization of CD2 interaction with LFA-3 and determination of the two-dimensional dissociation constant for adhesion receptors in a contact area.. <i>Journal of Cell Biology</i> , 1996, 132, 465-474.	5.2	227
32	Mechanosensing in T Lymphocyte Activation. <i>Biophysical Journal</i> , 2012, 102, L5-L7.	0.5	227
33	Understanding the Structure and Function of the Immunological Synapse. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a002311-a002311.	5.5	217
34	Receptor Signaling Clusters in the Immune Synapse. <i>Annual Review of Biophysics</i> , 2012, 41, 543-556.	10.0	215
35	PD-1 promotes immune exhaustion by inducing antiviral T cell motility paralysis. <i>Journal of Experimental Medicine</i> , 2013, 210, 757-774.	8.5	211
36	Membranes as messengers in T cell adhesion signaling. <i>Nature Immunology</i> , 2004, 5, 363-372.	14.5	207

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37	Actin foci facilitate activation of the phospholipase C- β 3 in primary T lymphocytes via the WASP pathway. <i>ELife</i> , 2015, 4, .	6.0	200
38	Peptide-MHC potency governs dynamic interactions between T cells and dendritic cells in lymph nodes. <i>Nature Immunology</i> , 2007, 8, 835-844.	14.5	197
39	T cell antigen receptor signaling and immunological synapse stability require myosin IIA. <i>Nature Immunology</i> , 2009, 10, 531-539.	14.5	191
40	A supramolecular basis for CD45 tyrosine phosphatase regulation in sustained T cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 10138-10143.	7.1	189
41	Cytotoxic immunological synapses. <i>Immunological Reviews</i> , 2010, 235, 24-34.	6.0	188
42	Selective oral ROCK2 inhibitor down-regulates IL-21 and IL-17 secretion in human T cells via STAT3-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16814-16819.	7.1	185
43	New insights into the T cell synapse from single molecule techniques. <i>Nature Reviews Immunology</i> , 2011, 11, 672-684.	22.7	177
44	Suppressing T cell motility induced by anti-CTLA-4 monotherapy improves antitumor effects. <i>Journal of Clinical Investigation</i> , 2012, 122, 3718-3730.	8.2	167
45	T-cell triggering thresholds are modulated by the number of antigen within individual T-cell receptor clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9089-9094.	7.1	164
46	Low Affinity Interaction of Human or Rat T Cell Adhesion Molecule CD2 with Its Ligand Aligns Adhering Membranes to Achieve High Physiological Affinity. <i>Journal of Biological Chemistry</i> , 1997, 272, 30889-30898.	3.4	161
47	T Cell Receptor Microcluster Transport through Molecular Mazes Reveals Mechanism of Translocation. <i>Biophysical Journal</i> , 2008, 94, 3286-3292.	0.5	158
48	Lymphatic endothelial S1P promotes mitochondrial function and survival in naive T cells. <i>Nature</i> , 2017, 546, 158-161.	27.8	153
49	The Cellular Context of T Cell Signaling. <i>Immunity</i> , 2009, 30, 482-492.	14.3	150
50	Stop and Go Traffic to Tune T Cell Responses. <i>Immunity</i> , 2004, 21, 305-314.	14.3	144
51	Cell adhesion molecules and actin cytoskeleton at immune synapses and kinapses. <i>Current Opinion in Cell Biology</i> , 2007, 19, 529-533.	5.4	143
52	Essential Role of Ubiquitin and TSG101 Protein in Formation and Function of the Central Supramolecular Activation Cluster. <i>Immunity</i> , 2010, 32, 531-540.	14.3	140
53	Identification of Self Through Two-Dimensional Chemistry and Synapses. <i>Annual Review of Cell and Developmental Biology</i> , 2001, 17, 133-157.	9.4	139
54	T cell antigen receptor activation and actin cytoskeleton remodeling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 546-556.	2.6	133

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55	Size-dependent protein segregation at membrane interfaces. <i>Nature Physics</i> , 2016, 12, 704-711.	16.7	126
56	TFH-derived dopamine accelerates productive synapses in germinal centres. <i>Nature</i> , 2017, 547, 318-323.	27.8	124
57	Full control of ligand positioning reveals spatial thresholds for T cell receptor triggering. <i>Nature Nanotechnology</i> , 2018, 13, 610-617.	31.5	122
58	Signaling and Polarized Communication Across the T Cell Immunological Synapse. <i>Annual Review of Cell and Developmental Biology</i> , 2016, 32, 303-325.	9.4	117
59	Promises and challenges of adoptive T-cell therapies for solid tumours. <i>British Journal of Cancer</i> , 2021, 124, 1759-1776.	6.4	113
60	Cytotoxic T lymphocytes form an antigen-independent ring junction. <i>Journal of Clinical Investigation</i> , 2004, 113, 49-57.	8.2	113
61	T Cell Activation is Determined by the Number of Presented Antigens. <i>Nano Letters</i> , 2013, 13, 5619-5626.	9.1	112
62	Nanoscale Ligand Spacing Influences Receptor Triggering in T Cells and NK Cells. <i>Nano Letters</i> , 2013, 13, 5608-5614.	9.1	110
63	A dynamic view of the immunological synapse. <i>Seminars in Immunology</i> , 2005, 17, 400-410.	5.6	105
64	Micropatterning of costimulatory ligands enhances CD4 ⁺ T cell function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7791-7796.	7.1	103
65	The coreceptor CD2 uses plasma membrane microdomains to transduce signals in T cells. <i>Journal of Cell Biology</i> , 2009, 185, 521-534.	5.2	102
66	Collecting Lymphatic Vessel Permeability Facilitates Adipose Tissue Inflammation and Distribution of Antigen to Lymph Node—Homing Adipose Tissue Dendritic Cells. <i>Journal of Immunology</i> , 2015, 194, 5200-5210.	0.8	102
67	T cell—dendritic cell immunological synapses. <i>Current Opinion in Immunology</i> , 2006, 18, 512-516.	5.5	100
68	Supramolecular attack particles are autonomous killing entities released from cytotoxic T cells. <i>Science</i> , 2020, 368, 897-901.	12.6	98
69	T Cell-Dendritic Cell Immunological Synapses Contain TCR-dependent CD28-CD80 Clusters That Recruit Protein Kinase C β . <i>Journal of Immunology</i> , 2008, 181, 4852-4863.	0.8	97
70	The large ectodomains of CD45 and CD148 regulate their segregation from and inhibition of ligated T-cell receptor. <i>Blood</i> , 2013, 121, 4295-4302.	1.4	93
71	Micropatterning of TCR and LFA-1 ligands reveals complementary effects on cytoskeleton mechanics in T cells. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 1272-1284.	1.3	90
72	Hunter to Gatherer and Back: Immunological Synapses and Kinapses as Variations on the Theme of Amoeboid Locomotion. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 577-596.	9.4	87

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73	Regulation of locomotion and cell-cell contact area by the LFA-1 and ICAM-1 adhesion receptors. <i>Journal of Immunology</i> , 1992, 148, 2654-63.	0.8	85
74	Distinct influences of peptide-MHC quality and quantity on in vivo T-cell responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 881-886.	7.1	84
75	E-cadherin junction formation involves an active kinetic nucleation process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10932-10937.	7.1	84
76	Perivascular Arrest of CD8+ T Cells Is a Signature of Experimental Cerebral Malaria. <i>PLoS Pathogens</i> , 2015, 11, e1005210.	4.7	78
77	Self-reactive human CD4 T cell clones form unusual immunological synapses. <i>Journal of Experimental Medicine</i> , 2012, 209, 335-352.	8.5	77
78	Immune dysregulation in patients with PTEN hamartoma tumor syndrome: Analysis of FOXP3 regulatory T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 607-620.e15.	2.9	77
79	Supported Planar Bilayers for Study of the Immunological Synapse. <i>Current Protocols in Immunology</i> , 2007, 76, Unit 18.13.	3.6	75
80	The HVEM-BTLA Axis Restrains T Cell Help to Germinal Center B Cells and Functions as a Cell-Extrinsic Suppressor in Lymphomagenesis. <i>Immunity</i> , 2019, 51, 310-323.e7.	14.3	74
81	Signaling at neuro/immune synapses. <i>Journal of Clinical Investigation</i> , 2012, 122, 1149-1155.	8.2	74
82	A dynamic CD2-rich compartment at the outer edge of the immunological synapse boosts and integrates signals. <i>Nature Immunology</i> , 2020, 21, 1232-1243.	14.5	72
83	Syk and Src Family Kinases Regulate C-type Lectin Receptor 2 (CLEC-2)-mediated Clustering of Podoplanin and Platelet Adhesion to Lymphatic Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 35695-35710.	3.4	70
84	The Lymphocyte Function-associated Antigen 1 I Domain Is a Transient Binding Module for Intercellular Adhesion Molecule (ICAM)-1 and ICAM-3 in Hydrodynamic Flow. <i>Journal of Experimental Medicine</i> , 1997, 186, 719-730.	8.5	69
85	Human Immunodeficiency Virus Type 1 Envelope gp120-Induced Partial T-Cell Receptor Signaling Creates an F-Actin-Depleted Zone in the Virological Synapse. <i>Journal of Virology</i> , 2009, 83, 11341-11355.	3.4	68
86	T Lymphocyte Myosin IIA is Required for Maturation of the Immunological Synapse. <i>Frontiers in Immunology</i> , 2012, 3, 230.	4.8	67
87	Nanoscale Increases in CD2-CD48-mediated Intermembrane Spacing Decrease Adhesion and Reorganize the Immunological Synapse. <i>Journal of Biological Chemistry</i> , 2008, 283, 34414-34422.	3.4	66
88	Adhesive Bond Dynamics in Contacts between T Lymphocytes and Glass-supported Planar Bilayers Reconstituted with the Immunoglobulin-related Adhesion Molecule CD58. <i>Journal of Biological Chemistry</i> , 1997, 272, 15782-15788.	3.4	65
89	Supported bilayers at the vanguard of immune cell activation studies. <i>Journal of Structural Biology</i> , 2009, 168, 152-160.	2.8	64
90	Differential splicing across immune system lineages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14324-14329.	7.1	64

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91	Capturing resting T cells: the perils of PLL. <i>Nature Immunology</i> , 2018, 19, 203-205.	14.5	62
92	Cell-cell interfaces as specialized compartments directing cell function. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 750-764.	37.0	60
93	The immunological synapse. <i>Arthritis Research</i> , 2002, 4, S119.	2.0	58
94	Surface expression of the hRSV nucleoprotein impairs immunological synapse formation with T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3214-23.	7.1	58
95	Composition and structure of synaptic ectosomes exporting antigen receptor linked to functional CD40 ligand from helper T cells. <i>ELife</i> , 2019, 8, .	6.0	57
96	Role of adhesion molecules in activation signaling in T lymphocytes. , 2001, 21, 258-263.		54
97	Cytoskeletal tension actively sustains the migratory T cell synaptic contact. <i>EMBO Journal</i> , 2020, 39, e102783.	7.8	53
98	What Counts in the Immunological Synapse?. <i>Molecular Cell</i> , 2014, 54, 255-262.	9.7	52
99	Membrane nanoclusters of FcγRI segregate from inhibitory SIRPα upon activation of human macrophages. <i>Journal of Cell Biology</i> , 2017, 216, 1123-1141.	5.2	52
100	The discriminatory power of the T cell receptor. <i>ELife</i> , 2021, 10, .	6.0	52
101	Th1 and Th2 Cells Form Morphologically Distinct Immunological Synapses. <i>Journal of Immunology</i> , 2008, 181, 393-399.	0.8	49
102	Increased generation of Foxp3+ regulatory T cells by manipulating antigen presentation in the thymus. <i>Nature Communications</i> , 2016, 7, 10562.	12.8	49
103	Coordination of T Cell Activation and Migration through Formation of the Immunological Synapse. <i>Annals of the New York Academy of Sciences</i> , 2003, 987, 51-59.	3.8	46
104	Modular Design of Immunological Synapses and Kinapses. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009, 1, a002873-a002873.	5.5	43
105	Mechanisms of Cellular Avidity Regulation in CD28-CD58-Mediated T Cell Adhesion. <i>ACS Chemical Biology</i> , 2006, 1, 649-658.	3.4	42
106	High-Throughput Mechanobiology Screening Platform Using Micro- and Nanotopography. <i>Nano Letters</i> , 2016, 16, 2198-2204.	9.1	42
107	Cross Talk between CD3 and CD28 Is Spatially Modulated by Protein Lateral Mobility. <i>Molecular and Cellular Biology</i> , 2014, 34, 955-964.	2.3	40
108	Integrins and Their Role in Immune Cell Adhesion. <i>Cell</i> , 2019, 177, 499-501.	28.9	40

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109	TCR-mediated adhesion of T cell hybridomas to planar bilayers containing purified MHC class II/peptide complexes and receptor shedding during detachment. <i>Journal of Immunology</i> , 1996, 157, 2014-21.	0.8	40
110	The interplay between membrane topology and mechanical forces in regulating T cell receptor activity. <i>Communications Biology</i> , 2022, 5, 40.	4.4	39
111	Durable Interactions of T Cells with T Cell Receptor Stimuli in the Absence of a Stable Immunological Synapse. <i>Cell Reports</i> , 2018, 22, 340-349.	6.4	36
112	Decreased blood vessel density and endothelial cell subset dynamics during ageing of the endocrine system. <i>EMBO Journal</i> , 2021, 40, e105242.	7.8	36
113	Complement Receptors in Myeloid Cell Adhesion and Phagocytosis. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	35
114	Foxo4 and Stat3-dependent IL-10 production by progranulin in regulatory T cells restrains inflammatory arthritis. <i>FASEB Journal</i> , 2017, 31, 1354-1367.	0.5	35
115	What Scales the T Cell Response?. <i>Trends in Immunology</i> , 2016, 37, 513-522.	6.8	34
116	The vimentin intermediate filament network restrains regulatory T cell suppression of graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 4604-4621.	8.2	32
117	Making a Little Affinity Go a Long Way: A Topological View of LFA-1 Regulation. <i>Cell Adhesion and Communication</i> , 1998, 6, 255-262.	1.7	31
118	Force and affinity in ligand discrimination by the TCR. <i>Trends in Immunology</i> , 2014, 35, 597-603.	6.8	31
119	CD45 exclusion and cross-linking-based receptor signaling together broaden FcγRI reactivity. <i>Science Signaling</i> , 2018, 11, .	3.6	31
120	Coreceptors and TCR Signaling – the Strong and the Weak of It. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 597627.	3.7	31
121	Two-dimensional TIRF-SIM traction force microscopy (2D TIRF-SIM-TFM). <i>Nature Communications</i> , 2021, 12, 2169.	12.8	31
122	Immunophenotypes of pancreatic ductal adenocarcinoma: Meta-analysis of transcriptional subtypes. <i>International Journal of Cancer</i> , 2019, 145, 1125-1137.	5.1	30
123	Structural basis for RIFIN-mediated activation of LILRB1 in malaria. <i>Nature</i> , 2020, 587, 309-312.	27.8	30
124	F-Actin-Driven CD28-CD80 Localization in the Immune Synapse. <i>Cell Reports</i> , 2018, 24, 1151-1162.	6.4	29
125	Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. <i>PLoS Pathogens</i> , 2020, 16, e1008359.	4.7	28
126	The immunological relay race: B cells take antigen by synapse. <i>Nature Immunology</i> , 2001, 2, 480-482.	14.5	27

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127	Dynamin-2 Stabilizes the HIV-1 Fusion Pore with a Low Oligomeric State. <i>Cell Reports</i> , 2017, 18, 443-453.	6.4	27
128	The tyrosine phosphatase SHP-1 promotes T cell adhesion by activating the adaptor protein CrkII in the immunological synapse. <i>Science Signaling</i> , 2017, 10, .	3.6	27
129	The Immune Synapse: Past, Present, and Future. <i>Methods in Molecular Biology</i> , 2017, 1584, 1-5.	0.9	27
130	Molecular Occupancy of Nanodot Arrays. <i>ACS Nano</i> , 2016, 10, 4173-4183.	14.6	26
131	Low affinity of cell surface lymphocyte function-associated antigen-1 (LFA-1) generates selectivity for cell-cell interactions. <i>Journal of Immunology</i> , 1997, 159, 2685-92.	0.8	26
132	Reconstitution of immune cell interactions in free-standing membranes. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	25
133	Model membrane systems to reconstitute immune cell signaling. <i>FEBS Journal</i> , 2021, 288, 1070-1090.	4.7	25
134	Boltzmann Energy-based Image Analysis Demonstrates that Extracellular Domain Size Differences Explain Protein Segregation at Immune Synapses. <i>PLoS Computational Biology</i> , 2011, 7, e1002076.	3.2	24
135	CD28-CD80 Interactions Control Regulatory T Cell Motility and Immunological Synapse Formation. <i>Journal of Immunology</i> , 2014, 193, 5894-5903.	0.8	24
136	Maturation of Monocyte-Derived DCs Leads to Increased Cellular Stiffness, Higher Membrane Fluidity, and Changed Lipid Composition. <i>Frontiers in Immunology</i> , 2020, 11, 590121.	4.8	24
137	Activated Regulatory T-Cells, Dysfunctional and Senescent T-Cells Hinder the Immunity in Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 1776.	3.7	24
138	Membrane domains and the immunological synapse: keeping T cells resting and ready. <i>Journal of Clinical Investigation</i> , 2002, 109, 155-160.	8.2	24
139	Identification of distinct cytotoxic granules as the origin of supramolecular attack particles in T lymphocytes. <i>Nature Communications</i> , 2022, 13, 1029.	12.8	24
140	Quantification and Modeling of Tripartite CD2-, CD58FC Chimera (Afacept)-, and CD16-mediated Cell Adhesion. <i>Journal of Biological Chemistry</i> , 2007, 282, 34748-34757.	3.4	23
141	Exosomes derived from HEK293T cells interact in an efficient and noninvasive manner with mammalian sperm <i>in vitro</i> . <i>Nanomedicine</i> , 2020, 15, 1965-1980.	3.3	23
142	Allosteric activation of T cell antigen receptor signaling by quaternary structure relaxation. <i>Cell Reports</i> , 2021, 36, 109375.	6.4	23
143	Two-way signalling through the Lfa-1 lymphocyte adhesion receptor. <i>BioEssays</i> , 1990, 12, 421-427.	2.5	22
144	Insights into Function of the Immunological Synapse from Studies with Supported Planar Bilayers. <i>Current Topics in Microbiology and Immunology</i> , 2010, 340, 1-24.	1.1	22

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145	Actin polymerizationâ€dependent activation of Casâ€L promotes immunological synapse stability. <i>Immunology and Cell Biology</i> , 2016, 94, 981-993.	2.3	20
146	A Molecular Dissection of Lymphocyte Unresponsiveness Induced by Sustained Calcium Signalling. <i>Novartis Foundation Symposium</i> , 2008, , 165-179.	1.1	19
147	Protein tyrosine phosphatase PTPN22 regulates LFA-1 dependent Th1 responses. <i>Journal of Autoimmunity</i> , 2018, 94, 45-55.	6.5	19
148	Neuroinflammation associated with ultrasound-mediated permeabilization of the bloodâ€brain barrier. <i>Trends in Neurosciences</i> , 2022, 45, 459-470.	8.6	19
149	T-cell trans-synaptic vesicles are distinct and carry greater effector content than constitutive extracellular vesicles. <i>Nature Communications</i> , 2022, 13, .	12.8	18
150	Tumor Necrosis Factor Receptor Superfamily in T Cell Priming and Effector Function. <i>Advances in Immunology</i> , 2018, 140, 21-57.	2.2	17
151	The Bardetâ€Biedl syndrome complex component BBS1 controls T cell polarity during immune synapse assembly. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	17
152	Visualization of Cell-Cell Interaction Contacts-Synapses and Kinapses. <i>Advances in Experimental Medicine and Biology</i> , 2008, 640, 164-182.	1.6	17
153	Antigen Feast or Famine. <i>Science</i> , 2012, 335, 408-409.	12.6	16
154	Comprehensive Analysis of Immunological Synapse Phenotypes Using Supported Lipid Bilayers. <i>Methods in Molecular Biology</i> , 2017, 1584, 423-441.	0.9	16
155	T cells like a firm molecular handshake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4335-4336.	7.1	15
156	Killers on sterols. <i>Nature</i> , 2016, 531, 583-584.	27.8	15
157	Visualization of cellâ€cell interaction contacts: Synapses and kinapses. <i>Self/nonself</i> , 2011, 2, 85-97.	2.0	14
158	A tissue-like platform for studying engineered quiescent human T-cellsâ€™ interactions with dendritic cells. <i>ELife</i> , 2019, 8, .	6.0	14
159	Impact of the Immunological Synapse on T Cell Signaling. , 2006, 43, 175-198.		13
160	Increasing LFA-1 Expression Enhances Immune Synapse Architecture and T Cell Receptor Signaling in Jurkat E6.1 Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 673446.	3.7	13
161	Localizing order to boost signaling. <i>ELife</i> , 2017, 6, .	6.0	13
162	Three-Dimensional Single Molecule Localization Microscopy Reveals the Topography of the Immunological Synapse at Isotropic Precision below 15 nm. <i>Nano Letters</i> , 2021, 21, 9247-9255.	9.1	13

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163	TCR signaling: the barrier within. <i>Nature Immunology</i> , 2014, 15, 136-137.	14.5	12
164	Liquidity in immune cell signaling. <i>Science</i> , 2016, 352, 516-517.	12.6	12
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