# Michael Dustin

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 233 papers | 25,661 citations | 9264 74 h-index | 7160 153 g-index |
| 354 all docs | 354 docs citations | 354 times ranked | 21796 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Goldilocks and the three TILs. Journal of Experimental Medicine, 2022, 219, . | 8.5 | 1 |
| 2 | The interplay between membrane topology and mechanical forces in regulating T cell receptor activity. Communications Biology, 2022, 5, 40. | 4.4 | 39 |
| 3 | Coordination of two kinesin superfamily motor proteins, KIF3A and KIF13A, is essential for pericellular matrix degradation by membrane-type 1 matrix metalloproteinase (MT1-MMP) in cancer cells. Matrix Biology, 2022, 107, 1-23. | 3.6 | 7 |
| 4 | Identification of distinct cytotoxic granules as the origin of supramolecular attack particles in T lymphocytes. Nature Communications, 2022, 13, 1029. | 12.8 | 24 |
| 5 | Dephosphorylation accelerates the dissociation of ZAP70 from the T cell receptor. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 6 |
| 6 | Basic science under threat: Lessons from the Skirball Institute. Cell, 2022, 185, 755-758. | 28.9 | 0 |
| 7 | Preparation of Bead-supported Lipid Bilayers to Study the Particulate Output of T Cell Immune Synapses. Journal of Visualized Experiments, 2022, , . | 0.3 | 0 |
| 8 | Magnesium for T cells: strong to the finish!. Trends in Immunology, 2022, 43, 277-279. | 6.8 | 4 |
| 9 | Neuroinflammation associated with ultrasound-mediated permeabilization of the bloodâ€“brain barrier. Trends in Neurosciences, 2022, 45, 459-470. | 8.6 | 19 |
| 10 | Germinal center expansion but not plasmablast differentiation is proportional to peptide-MHCII density via CD40-CD40L signaling strength. Cell Reports, 2022, 39, 110763. | 6.4 | 9 |
| 11 | The CD58â€“CD2 axis in cancer immune evasion. Nature Reviews Immunology, 2022, 22, 409-409. | 22.7 | 6 |
| 12 | Artificial Antigen Presenting Cells for Detection and Desensitization of Autoreactive T cells Associated with Type 1 Diabetes. Nano Letters, 2022, 22, 4376-4382. | 9.1 | 3 |
| 13 | T-cell trans-synaptic vesicles are distinct and carry greater effector content than constitutive extracellular vesicles. Nature Communications, 2022, 13, . | 12.8 | 18 |
| 14 | Model membrane systems to reconstitute immune cell signaling. FEBS Journal, 2021, 288, 1070-1090. | 4.7 | 25 |
| 15 | The Zinc Finger Protein Zbtb18 Represses Expression of Class I Phosphatidylinositol 3-Kinase Subunits and Inhibits Plasma Cell Differentiation. Journal of Immunology, 2021, 206, 1515-1527. | 0.8 | 3 |
| 16 | Promises and challenges of adoptive T-cell therapies for solid tumours. British Journal of Cancer, 2021, 124, 1759-1776. | 6.4 | 113 |
| 17 | Two-dimensional TIRF-SIMâ€“traction force microscopy (2D TIRF-SIM-TFM). Nature Communications, 2021, 12, 2169. | 12.8 | 31 |
| 18 | Activated Regulatory T-Cells, Dysfunctional and Senescent T-Cells Hinder the Immunity in Pancreatic Cancer. Cancers, 2021, 13, 1776. | 3.7 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The discriminatory power of the T cell receptor. ELife, 2021, 10, . | 6.0 | 52 |
| 20 | Allosteric activation of TÂcell antigen receptor signaling by quaternary structure relaxation. Cell Reports, 2021, 36, 109375. | 6.4 | 23 |
| 21 | Increasing LFA-1 Expression Enhances Immune Synapse Architecture and T Cell Receptor Signaling in Jurkat E6.1 Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 673446. | 3.7 | 13 |
| 22 | The Bardetâ€“Biedl syndrome complex component BBS1 controls T cell polarity during immune synapse assembly. Journal of Cell Science, 2021, 134, . | 2.0 | 17 |
| 23 | Tireless surveillance by exhausted T cells. Journal of Clinical Investigation, 2021, 131, . | 8.2 | 2 |
| 24 | Characterization of mechanisms positioning costimulatory complexes in immune synapses. IScience, 2021, 24, 103100. | 4.1 | 2 |
| 25 | Decreased blood vessel density and endothelial cell subset dynamics during ageing of the endocrine system. EMBO Journal, 2021, 40, e105242. | 7.8 | 36 |
| 26 | The staying power of hematopoietic stem cells. Journal of Cell Biology, 2021, 220, . | 5.2 | 0 |
| 27 | Three-Dimensional Single Molecule Localization Microscopy Reveals the Topography of the Immunological Synapse at Isotropic Precision below 15 nm. Nano Letters, 2021, 21, 9247-9255. | 9.1 | 13 |
| 28 | Locked and loaded: strong TCR signaling primes anti-PD-1 therapy. Trends in Immunology, 2021, 42, 1066-1068. | 6.8 | 3 |
| 29 | Cytoskeletal tension actively sustains the migratory Tâ€cell synaptic contact. EMBO Journal, 2020, 39, e102783. | 7.8 | 53 |
| 30 | Cellâ€“cell interfaces as specialized compartments directing cell function. Nature Reviews Molecular Cell Biology, 2020, 21, 750-764. | 37.0 | 60 |
| 31 | Structural basis for RIFIN-mediated activation of LILRB1 in malaria. Nature, 2020, 587, 309-312. | 27.8 | 30 |
| 32 | Exosomes derived from HEK293T cells interact in an efficient and noninvasive manner with mammalian sperm in vitro. Nanomedicine, 2020, 15, 1965-1980. | 3.3 | 23 |
| 33 | Coreceptors and TCR Signaling â€“ the Strong and the Weak of It. Frontiers in Cell and Developmental Biology, 2020, 8, 597627. | 3.7 | 31 |
| 34 | A dynamic CD2-rich compartment at the outer edge of the immunological synapse boosts and integrates signals. Nature Immunology, 2020, 21, 1232-1243. | 14.5 | 72 |
| 35 | Maturation of Monocyte-Derived DCs Leads to Increased Cellular Stiffness, Higher Membrane Fluidity, and Changed Lipid Composition. Frontiers in Immunology, 2020, 11, 590121. | 4.8 | 24 |
| 36 | Supramolecular attack particles are autonomous killing entities released from cytotoxic T cells. Science, 2020, 368, 897-901. | 12.6 | 98 |

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|---|---|---|---|
| 37 | Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. PLoS Pathogens, 2020, 16, e1008359. | 4.7 | 28 |
| 38 | Single-Molecule, Super-Resolution, and Functional Analysis of G Protein-Coupled Receptor Behavior Within the T Cell Immunological Synapse. Frontiers in Cell and Developmental Biology, 2020, 8, 608484. | 3.7 | 6 |
| 39 | A checkpoint cliffhanger at the dawn of placental mammals. Journal of Biological Chemistry, 2020, 295, 4381-4382. | 3.4 | 1 |
| 40 | Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. , 2020, 16, e1008359. | | 0 |
| 41 | Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. , 2020, 16, e1008359. | | 0 |
| 42 | Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. , 2020, 16, e1008359. | | 0 |
| 43 | Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. , 2020, 16, e1008359. | | 0 |
| 44 | Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. , 2020, 16, e1008359. | | 0 |
| 45 | Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973. | 2.9 | 766 |
| 46 | The HVEM-BTLA Axis Restrains T Cell Help to Germinal Center B Cells and Functions as a Cell-Extrinsic Suppressor in Lymphomagenesis. Immunity, 2019, 51, 310-323.e7. | 14.3 | 74 |
| 47 | Cutting Edge: Synapse Propensity of Human Memory CD8 T Cells Confers Competitive Advantage over Naive Counterparts. Journal of Immunology, 2019, 203, 601-606. | 0.8 | 12 |
| 48 | An X-ray Vision for Phosphoantigen Recognition. Immunity, 2019, 50, 1026-1028. | 14.3 | 7 |
| 49 | Integrins and Their Role in Immune Cell Adhesion. Cell, 2019, 177, 499-501. | 28.9 | 40 |
| 50 | Immunophenotypes of pancreatic ductal adenocarcinoma: Metaâ€analysis of transcriptional subtypes. International Journal of Cancer, 2019, 145, 1125-1137. | 5.1 | 30 |
| 51 | Steering CAR T Cells into Solid Tumors. New England Journal of Medicine, 2019, 380, 289-291. | 27.0 | 11 |
| 52 | Composition and structure of synaptic ectosomes exporting antigen receptor linked to functional CD40 ligand from helper T cells. ELife, 2019, 8, . | 6.0 | 57 |
| 53 | A tissue-like platform for studying engineered quiescent human T-cellsâ€™ interactions with dendritic cells. ELife, 2019, 8, . | 6.0 | 14 |
| 54 | Capturing resting T cells: the perils of PLL. Nature Immunology, 2018, 19, 203-205. | 14.5 | 62 |

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| 55 | Durable Interactions of T Cells with T Cell Receptor Stimuli in the Absence of a Stable Immunological Synapse. Cell Reports, 2018, 22, 340-349. | 6.4 | 36 |
| 56 | Full control of ligand positioning reveals spatial thresholds for T cell receptor triggering. Nature Nanotechnology, 2018, 13, 610-617. | 31.5 | 122 |
| 57 | CD8 helps TCR catch slippery self pMHC. Nature Immunology, 2018, 19, 1280-1281. | 14.5 | 2 |
| 58 | CD45 exclusionâ€“ and cross-linkingâ€“based receptor signaling together broaden FcÎµRI reactivity. Science Signaling, 2018, 11, . | 3.6 | 31 |
| 59 | Tumor Necrosis Factor Receptor Superfamily in T Cell Priming and Effector Function. Advances in Immunology, 2018, 140, 21-57. | 2.2 | 17 |
| 60 | Reconstitution of immune cell interactions in free-standing membranes. Journal of Cell Science, 2018, 132, . | 2.0 | 25 |
| 61 | The Study of Platelet Receptors Using Artificial Lipid Bilayers. Methods in Molecular Biology, 2018, 1812, 127-137. | 0.9 | 0 |
| 62 | Organization of Immunological Synapses and Kinapses. , 2018, , 1-37. | | 1 |
| 63 | F-Actin-Driven CD28-CD80 Localization in the Immune Synapse. Cell Reports, 2018, 24, 1151-1162. | 6.4 | 29 |
| 64 | Protein tyrosine phosphatase PTPN22 regulates LFA-1 dependent Th1 responses. Journal of Autoimmunity, 2018, 94, 45-55. | 6.5 | 19 |
| 65 | A Stretch of Negatively Charged Amino Acids of Linker for Activation of T-Cell Adaptor Has a Dual Role in T-Cell Antigen Receptor Intracellular Signaling. Frontiers in Immunology, 2018, 9, 115. | 4.8 | 12 |
| 66 | Natural killers shed attachments to kill again. Journal of Cell Biology, 2018, 217, 2983-2985. | 5.2 | 3 |
| 67 | The vimentin intermediate filament network restrains regulatory T cell suppression of graft-versus-host disease. Journal of Clinical Investigation, 2018, 128, 4604-4621. | 8.2 | 32 |
| 68 | Distinct behavior of myelomonocytic cells and CD8 T cells underlies the hepatic response to Listeria monocytogenes. Wellcome Open Research, 2018, 3, 48. | 1.8 | 3 |
| 69 | Dendritic cell-expressed common gamma-chain recruits IL-15 for trans-presentation at the murine immunological synapse. Wellcome Open Research, 2018, 3, 84. | 1.8 | 7 |
| 70 | Dendritic cell-expressed common gamma-chain recruits IL-15 for trans-presentation at the murine immunological synapse. Wellcome Open Research, 2018, 3, 84. | 1.8 | 4 |
| 71 | Dynamin-2 Stabilizes the HIV-1 Fusion Pore with a Low Oligomeric State. Cell Reports, 2017, 18, 443-453. | 6.4 | 27 |
| 72 | Comprehensive Analysis of Immunological Synapse Phenotypes Using Supported Lipid Bilayers. Methods in Molecular Biology, 2017, 1584, 423-441. | 0.9 | 16 |

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| 73 | Lymphatic endothelial S1P promotes mitochondrial function and survival in naive T cells. Nature, 2017, 546, 158-161. | 27.8 | 153 |
| 74 | Membrane nanoclusters of FcÎ³RI segregate from inhibitory SIRPÎ± upon activation of human macrophages. Journal of Cell Biology, 2017, 216, 1123-1141. | 5.2 | 52 |
| 75 | Help to go: T cells transfer CD40L to antigenâ€presenting B cells. European Journal of Immunology, 2017, 47, 31-34. | 2.9 | 11 |
| 76 | Foxo4â€•and Stat3â€dependent ILâ€10 production by progranulin in regulatory T cells restrains inflammatory arthritis. FASEB Journal, 2017, 31, 1354-1367. | 0.5 | 35 |
| 77 | The tyrosine phosphatase SHP-1 promotes T cell adhesion by activating the adaptor protein CrkII in the immunological synapse. Science Signaling, 2017, 10, . | 3.6 | 27 |
| 78 | Crosstalk between Regulatory T Cells and Tumor-Associated Dendritic Cells Negates Anti-tumor Immunity in Pancreatic Cancer. Cell Reports, 2017, 20, 558-571. | 6.4 | 273 |
| 79 | TFH-derived dopamine accelerates productive synapses in germinal centres. Nature, 2017, 547, 318-323. | 27.8 | 124 |
| 80 | Human in vitro-induced regulatory T cells display Dlgh1 dependent and PKC-Î¸ restrained suppressive activity. Scientific Reports, 2017, 7, 4258. | 3.3 | 5 |
| 81 | Immune dysregulation in patients with PTEN hamartoma tumor syndrome: Analysis of FOXP3 regulatory TÂcells. Journal of Allergy and Clinical Immunology, 2017, 139, 607-620.e15. | 2.9 | 77 |
| 82 | Complement Receptors in Myeloid Cell Adhesion and Phagocytosis. , 2017, , 429-445. | | 1 |
| 83 | The Immune Synapse: Past, Present, and Future. Methods in Molecular Biology, 2017, 1584, 1-5. | 0.9 | 27 |
| 84 | Spatial Control of Biological Ligands on Surfaces Applied to T Cell Activation. Methods in Molecular Biology, 2017, 1584, 307-331. | 0.9 | 5 |
| 85 | Localizing order to boost signaling. ELife, 2017, 6, . | 6.0 | 13 |
| 86 | Increased generation of Foxp3+ regulatory T cells by manipulating antigen presentation in the thymus. Nature Communications, 2016, 7, 10562. | 12.8 | 49 |
| 87 | Phagocytes Get Close to Their Enemies. Developmental Cell, 2016, 36, 131-132. | 7.0 | 1 |
| 88 | Actin Dynamics and HIV-1 Entry. Trends in Molecular Medicine, 2016, 22, 354-356. | 6.7 | 3 |
| 89 | Liquidity in immune cell signaling. Science, 2016, 352, 516-517. | 12.6 | 12 |
| 90 | Force Bistability in Adhesion Switch. Biophysical Journal, 2016, 111, 900-901. | 0.5 | 0 |

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| 91 | Mitochondrial fusion fuels T cell memory. Cell Research, 2016, 26, 969-970. | 12.0 | 7 |
| 92 | Signaling and Polarized Communication Across the T Cell Immunological Synapse. Annual Review of Cell and Developmental Biology, 2016, 32, 303-325. | 9.4 | 117 |
| 93 | Complement Receptors in Myeloid Cell Adhesion and Phagocytosis. Microbiology Spectrum, 2016, 4, . | 3.0 | 35 |
| 94 | HIV Envelope gp120 Alters T Cell Receptor Mobilization in the Immunological Synapse of Uninfected CD4 T Cells and Augments T Cell Activation. Journal of Virology, 2016, 90, 10513-10526. | 3.4 | 10 |
| 95 | Immunological Synapses. , 2016, , 16-24. | | 1 |
| 96 | Actin polymerizationâ€dependent activation of Casâ€Ł promotes immunological synapse stability. Immunology and Cell Biology, 2016, 94, 981-993. | 2.3 | 20 |
| 97 | Agile CD 22 nanoclusters run rings around fenced BCR. EMBO Journal, 2016, 35, 237-238. | 7.8 | 2 |
| 98 | Tapping out a mechanical code for T cell triggering. Journal of Cell Biology, 2016, 213, 501-503. | 5.2 | 4 |
| 99 | What Scales the T Cell Response?. Trends in Immunology, 2016, 37, 513-522. | 6.8 | 34 |
| 100 | Molecular Occupancy of Nanodot Arrays. ACS Nano, 2016, 10, 4173-4183. | 14.6 | 26 |
| 101 | Killers on sterols. Nature, 2016, 531, 583-584. | 27.8 | 15 |
| 102 | High-Throughput Mechanobiology Screening Platform Using Micro- and Nanotopography. Nano Letters, 2016, 16, 2198-2204. | 9.1 | 42 |
| 103 | Size-dependent protein segregation at membraneÂinterfaces. Nature Physics, 2016, 12, 704-711. | 16.7 | 126 |
| 104 | Perivascular Arrest of CD8+ T Cells Is a Signature of Experimental Cerebral Malaria. PLoS Pathogens, 2015, 11, e1005210. | 4.7 | 78 |
| 105 | Immunology: Dendritic Cells Pull the T Cellâ€™s Strings. Current Biology, 2015, 25, R413-R415. | 3.9 | 3 |
| 106 | E-cadherin junction formation involves an active kinetic nucleation process. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10932-10937. | 7.1 | 84 |
| 107 | A microfluidic platform reveals differential response of regulatory T cells to micropatterned costimulation arrays. Integrative Biology (United Kingdom), 2015, 7, 1442-1453. | 1.3 | 5 |
| 108 | Micropatterning of TCR and LFA-1 ligands reveals complementary effects on cytoskeleton mechanics in T cells. Integrative Biology (United Kingdom), 2015, 7, 1272-1284. | 1.3 | 90 |

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| 109 | Integrative analysis of T cell motility from multi-channel microscopy data using TIAM. Journal of Immunological Methods, 2015, 416, 84-93. | 1.4 | 10 |
| 110 | Pointing B cells in the right direction. Journal of Experimental Medicine, 2015, 212, 3-4. | 8.5 | 0 |
| 111 | T Cells Have a Light Touch. Biophysical Journal, 2015, 108, 2089-2090. | 0.5 | 0 |
| 112 | Collecting Lymphatic Vessel Permeability Facilitates Adipose Tissue Inflammation and Distribution of Antigen to Lymph Nodeâ€“Homing Adipose Tissue Dendritic Cells. Journal of Immunology, 2015, 194, 5200-5210. | 0.8 | 102 |
| 113 | Actin foci facilitate activation of the phospholipase C-Î³ in primary T lymphocytes via the WASP pathway. ELife, 2015, 4, . | 6.0 | 200 |
| 114 | CD28â€“CD80 Interactions Control Regulatory T Cell Motility and Immunological Synapse Formation. Journal of Immunology, 2014, 193, 5894-5903. | 0.8 | 24 |
| 115 | Surface expression of the hRSV nucleoprotein impairs immunological synapse formation with T cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3214-23. | 7.1 | 58 |
| 116 | Syk and Src Family Kinases Regulate C-type Lectin Receptor 2 (CLEC-2)-mediated Clustering of Podoplanin and Platelet Adhesion to Lymphatic Endothelial Cells. Journal of Biological Chemistry, 2014, 289, 35695-35710. | 3.4 | 70 |
| 117 | Selective oral ROCK2 inhibitor down-regulates IL-21 and IL-17 secretion in human T cells via STAT3-dependent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16814-16819. | 7.1 | 185 |
| 118 | The Immunological Synapse. Cancer Immunology Research, 2014, 2, 1023-1033. | 3.4 | 330 |
| 119 | What Counts in the Immunological Synapse?. Molecular Cell, 2014, 54, 255-262. | 9.7 | 52 |
| 120 | How T Cells Lose Their Touch. Immunity, 2014, 40, 169-171. | 14.3 | 0 |
| 121 | TCR signaling: the barrier within. Nature Immunology, 2014, 15, 136-137. | 14.5 | 12 |
| 122 | Polarized release of T-cell-receptor-enriched microvesicles at the immunological synapse. Nature, 2014, 507, 118-123. | 27.8 | 354 |
| 123 | Force and affinity in ligand discrimination by the TCR. Trends in Immunology, 2014, 35, 597-603. | 6.8 | 31 |
| 124 | Cross Talk between CD3 and CD28 Is Spatially Modulated by Protein Lateral Mobility. Molecular and Cellular Biology, 2014, 34, 955-964. | 2.3 | 40 |
| 125 | T-cells play the classics with a different spin. Molecular Biology of the Cell, 2014, 25, 1699-1703. | 2.1 | 4 |
| 126 | T cell antigen receptor activation and actin cytoskeleton remodeling. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 546-556. | 2.6 | 133 |

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| 127 | Opening the Frontier of the T Cell Surface: Schlossman and Goldstein. Journal of Immunology, 2013, 190, 5343-5345. | 0.8 | 0 |
| 128 | Transcriptional insights into the CD8+ T cell response to infection and memory T cell formation. Nature Immunology, 2013, 14, 404-412. | 14.5 | 303 |
| 129 | â€œCell Biology Meets Physiology. Current Topics in Membranes, 2013, 72, 313-346. | 0.9 | 3 |
| 130 | Nanoscale Ligand Spacing Influences Receptor Triggering in T Cells and NK Cells. Nano Letters, 2013, 13, 5608-5614. | 9.1 | 110 |
| 131 | T Cell Activation is Determined by the Number of Presented Antigens. Nano Letters, 2013, 13, 5619-5626. | 9.1 | 112 |
| 132 | Bifunctional nanoarrays for probing the immune response at the single-molecule level. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 06F902. | 1.2 | 10 |
| 133 | Differential splicing across immune system lineages. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14324-14329. | 7.1 | 64 |
| 134 | PD-1 promotes immune exhaustion by inducing antiviral T cell motility paralysis. Journal of Experimental Medicine, 2013, 210, 757-774. | 8.5 | 211 |
| 135 | The large ectodomains of CD45 and CD148 regulate their segregation from and inhibition of ligated T-cell receptor. Blood, 2013, 121, 4295-4302. | 1.4 | 93 |
| 136 | Antigen Feast or Famine. Science, 2012, 335, 408-409. | 12.6 | 16 |
| 137 | Self-reactive human CD4 T cell clones form unusual immunological synapses. Journal of Experimental Medicine, 2012, 209, 335-352. | 8.5 | 77 |
| 138 | T Lymphocyte Myosin IIA is Required for Maturation of the Immunological Synapse. Frontiers in Immunology, 2012, 3, 230. | 4.8 | 67 |
| 139 | Mechanosensing in T Lymphocyte Activation. Biophysical Journal, 2012, 102, L5-L7. | 0.5 | 227 |
| 140 | T Cell Receptors Adapt by Spacing Out. Biophysical Journal, 2012, 103, 1813. | 0.5 | 0 |
| 141 | Distinct influences of peptide-MHC quality and quantity on in vivo T-cell responses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 881-886. | 7.1 | 84 |
| 142 | Receptor Signaling Clusters in the Immune Synapse. Annual Review of Biophysics, 2012, 41, 543-556. | 10.0 | 215 |
| 143 | Signaling at neuro/immune synapses. Journal of Clinical Investigation, 2012, 122, 1149-1155. | 8.2 | 74 |
| 144 | Suppressing T cell motility induced by antiâ€“CTLA-4 monotherapy improves antitumor effects. Journal of Clinical Investigation, 2012, 122, 3718-3730. | 8.2 | 167 |

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| 145 | New insights into the T cell synapse from single molecule techniques. Nature Reviews Immunology, 2011, 11, 672-684. | 22.7 | 177 |
| 146 | Visualization of cellâ€'cell interaction contacts: Synapses and kinapses. Self/nonself, 2011, 2, 85-97. | 2.0 | 14 |
| 147 | T-cell triggering thresholds are modulated by the number of antigen within individual T-cell receptor clusters. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9089-9094. | 7.1 | 164 |
| 148 | Boltzmann Energy-based Image Analysis Demonstrates that Extracellular Domain Size Differences Explain Protein Segregation at Immune Synapses. PLoS Computational Biology, 2011, 7, e1002076. | 3.2 | 24 |
| 149 | Essential Role of Ubiquitin and TSG101 Protein in Formation and Function of the Central Supramolecular Activation Cluster. Immunity, 2010, 32, 531-540. | 14.3 | 140 |
| 150 | Cytotoxic immunological synapses. Immunological Reviews, 2010, 235, 24-34. | 6.0 | 188 |
| 151 | Protein Kinase C-Î¸ Mediates Negative Feedback on Regulatory T Cell Function. Science, 2010, 328, 372-376. | 12.6 | 261 |
| 152 | Insights into Function of the Immunological Synapse from Studies with Supported Planar Bilayers. Current Topics in Microbiology and Immunology, 2010, 340, 1-24. | 1.1 | 22 |
| 153 | Germinal Center Dynamics Revealed by Multiphoton Microscopy withÂa Photoactivatable Fluorescent Reporter. Cell, 2010, 143, 592-605. | 28.9 | 1,026 |
| 154 | Functional Anatomy of T Cell Activation and Synapse Formation. Annual Review of Immunology, 2010, 28, 79-105. | 21.8 | 440 |
| 155 | Understanding the Structure and Function of the Immunological Synapse. Cold Spring Harbor Perspectives in Biology, 2010, 2, a002311-a002311. | 5.5 | 217 |
| 156 | The coreceptor CD2 uses plasma membrane microdomains to transduce signals in T cells. Journal of Cell Biology, 2009, 185, 521-534. | 5.2 | 102 |
| 157 | Modular Design of Immunological Synapses and Kinapses. Cold Spring Harbor Perspectives in Biology, 2009, 1, a002873-a002873. | 5.5 | 43 |
| 158 | Human Immunodeficiency Virus Type 1 Envelope gp120-Induced Partial T-Cell Receptor Signaling Creates an F-Actin-Depleted Zone in the Virological Synapse. Journal of Virology, 2009, 83, 11341-11355. | 3.4 | 68 |
| 159 | T cell antigen receptor signaling and immunological synapse stability require myosin IIA. Nature Immunology, 2009, 10, 531-539. | 14.5 | 191 |
| 160 | The Cellular Context of T Cell Signaling. Immunity, 2009, 30, 482-492. | 14.3 | 150 |
| 161 | Supported bilayers at the vanguard of immune cell activation studies. Journal of Structural Biology, 2009, 168, 152-160. | 2.8 | 64 |
| 162 | Multiscale analysis of T cell activation: correlating in vitro and in vivo analysis of the immunological synapse. Current Topics in Microbiology and Immunology, 2009, 334, 47-70. | 1.1 | 7 |

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|---|---|---|---|
| 163 | Tâ€¢cell activation through immunological synapses and kinapses. Immunological Reviews, 2008, 221, 77-89. | 6.0 | 277 |
| 164 | T Cell Receptor Microcluster Transport through Molecular Mazes Reveals Mechanism of Translocation. Biophysical Journal, 2008, 94, 3286-3292. | 0.5 | 158 |
| 165 | Hunter to Gatherer and Back: Immunological Synapses and Kinapses as Variations on the Theme of Amoeboid Locomotion. Annual Review of Cell and Developmental Biology, 2008, 24, 577-596. | 9.4 | 87 |
| 166 | Tug of War at the Exit Door. Immunity, 2008, 28, 15-17. | 14.3 | 6 |
| 167 | Spatiotemporal Regulation of T Cell Costimulation by TCR-CD28 Microclusters and Protein Kinase C Î¸ Translocation. Immunity, 2008, 29, 589-601. | 14.3 | 261 |
| 168 | Synaptic Asymmetry to Go. Cell, 2008, 132, 733-734. | 28.9 | 6 |
| 169 | Th1 and Th2 Cells Form Morphologically Distinct Immunological Synapses. Journal of Immunology, 2008, 181, 393-399. | 0.8 | 49 |
| 170 | Micropatterning of costimulatory ligands enhances CD4<sup>+</sup>T cell function. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7791-7796. | 7.1 | 103 |
| 171 | Nanoscale Increases in CD2-CD48-mediated Intermembrane Spacing Decrease Adhesion and Reorganize the Immunological Synapse. Journal of Biological Chemistry, 2008, 283, 34414-34422. | 3.4 | 66 |
| 172 | T Cell-Dendritic Cell Immunological Synapses Contain TCR-dependent CD28-CD80 Clusters That Recruit Protein Kinase CÎ¸. Journal of Immunology, 2008, 181, 4852-4863. | 0.8 | 97 |
| 173 | A Molecular Dissection of Lymphocyte Unresponsiveness Induced by Sustained Calcium Signalling. Novartis Foundation Symposium, 2008, , 165-179. | 1.1 | 19 |
| 174 | Visualization of Cell-Cell Interaction Contacts-Synapses and Kinapses. Advances in Experimental Medicine and Biology, 2008, 640, 164-182. | 1.6 | 17 |
| 175 | Viral meningitis in real time. FASEB Journal, 2008, 22, 856.11. | 0.5 | 0 |
| 176 | Quantification and Modeling of Tripartite CD2-, CD58FC Chimera (Alefacept)-, and CD16-mediated Cell Adhesion. Journal of Biological Chemistry, 2007, 282, 34748-34757. | 3.4 | 23 |
| 177 | Mechanisms for segregating T cell receptor and adhesion molecules during immunological synapse formation in Jurkat T cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20296-20301. | 7.1 | 348 |
| 178 | Supported Planar Bilayers for Study of the Immunological Synapse. Current Protocols in Immunology, 2007, 76, Unit 18.13. | 3.6 | 75 |
| 179 | Opposing Effects of PKCÎ¸ and WASp on Symmetry Breaking and Relocation of the Immunological Synapse. Cell, 2007, 129, 773-785. | 28.9 | 316 |
| 180 | Peptide-MHC potency governs dynamic interactions between T cells and dendritic cells in lymph nodes. Nature Immunology, 2007, 8, 835-844. | 14.5 | 197 |

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