

# Michael R Gold

## List of Publications by Year in descending order

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96  
papers

9,898  
citations

50276

46  
h-index

39675

94  
g-index

175  
all docs

175  
docs citations

175  
times ranked

11720  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Wdr1-LIMK-Cofilin Axis Controls B Cell Antigen Receptor-Induced Actin Remodeling and Signaling at the Immune Synapse. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 649433.                               | 3.7  | 8         |
| 2  | The Actin-Disassembly Protein Glia Maturation Factor $\hat{I}^3$ Enhances Actin Remodeling and B Cell Antigen Receptor Signaling at the Immune Synapse. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 647063. | 3.7  | 1         |
| 3  | Inflammation-Induced Metastatic Colonization of the Lung Is Facilitated by Hepatocyte Growth Factor-Secreting Monocyte-Derived Macrophages. <i>Molecular Cancer Research</i> , 2021, 19, 2096-2109.                           | 3.4  | 5         |
| 4  | MALT1-Dependent Cleavage of HOIL1 Modulates Canonical NF- $\hat{I}^B$ Signaling and Inflammatory Responsiveness. <i>Frontiers in Immunology</i> , 2021, 12, 749794.   | 4.8  | 9         |
| 5  | CD24 and IgM Stimulation of B Cells Triggers Transfer of Functional B Cell Receptor to B Cell Recipients Via Extracellular Vesicles. <i>Journal of Immunology</i> , 2021, 207, 3004-3015.                                     | 0.8  | 8         |
| 6  | The Rap2c GTPase facilitates B cell receptor-induced reorientation of the microtubule-organizing center. <i>Small GTPases</i> , 2020, 11, 402-412.  | 1.6  | 5         |
| 7  | TMEM30A loss-of-function mutations drive lymphomagenesis and confer therapeutically exploitable vulnerability in B-cell lymphoma. <i>Nature Medicine</i> , 2020, 26, 577-588.   | 30.7 | 46        |
| 8  | Phase separation and clustering of an ABC transporter in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16326-16331.                 | 7.1  | 54        |
| 9  | Radial shockwave therapy for male erectile rejuvenation in a dermatology and/or medical aesthetic practice. <i>Journal of Cosmetic Dermatology</i> , 2019, 18, 1596-1600.   | 1.6  | 8         |
| 10 | Antigen Receptor Function in the Context of the Nanoscale Organization of the B Cell Membrane. <i>Annual Review of Immunology</i> , 2019, 37, 97-123.   | 21.8 | 54        |
| 11 | Arp2/3 complex-driven spatial patterning of the BCR enhances immune synapse formation, BCR signaling and B cell activation. <i>ELife</i> , 2019, 8, .   | 6.0  | 48        |
| 12 | Abstract 3480:TMEM30A loss-of-function mutations drive lymphomagenesis and confer therapeutically exploitable vulnerability in B-cell lymphoma. , 2019, , .   |      | 0         |
| 13 | Visualizing the Actin and Microtubule Cytoskeletons at the B-cell Immune Synapse Using Stimulated Emission Depletion (STED) Microscopy. <i>Journal of Visualized Experiments</i> , 2018, , .                                  | 0.3  | 4         |
| 14 | Imaging the Interactions Between B Cells and Antigen-Presenting Cells. <i>Methods in Molecular Biology</i> , 2018, 1707, 131-161.   | 0.9  | 11        |
| 15 | Applied stretch initiates directional invasion via the action of Rap1 GTPase as a tension sensor. <i>Journal of Cell Science</i> , 2017, 130, 152-163.  | 2.0  | 17        |
| 16 | The Rap1-cofilin pathway coordinates actin reorganization and MTOC polarization at the B-cell immune synapse. <i>Journal of Cell Science</i> , 2017, 130, 1094-1109.  | 2.0  | 40        |
| 17 | Limitations of Qdot labelling compared to directly-conjugated probes for single particle tracking of B cell receptor mobility. <i>Scientific Reports</i> , 2017, 7, 11379.  | 3.3  | 26        |
| 18 | Structure, Function, and Spatial Organization of the B Cell Receptor. , 2016, , 40-54.  |      | 5         |

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|----|---|------|-----------|
| 19 | Real-time 3D stabilization of a super-resolution microscope using an electrically tunable lens. <i>Optics Express</i> , 2016, 24, 22959.  | 3.4  | 14        |
| 20 | SETD7 Controls Intestinal Regeneration and Tumorigenesis by Regulating Wnt/ $\beta$ -Catenin and Hippo/YAP Signaling. <i>Developmental Cell</i> , 2016, 37, 47-57.  | 7.0  | 87        |
| 21 | What goes up must come down: A tripartite Dok $\epsilon$ /Grb2/SHIP1 inhibitory module limits BCR signaling. <i>European Journal of Immunology</i> , 2016, 46, 2507-2511.   | 2.9  | 6         |
| 22 | The paracaspase MALT1 cleaves HOIL1 reducing linear ubiquitination by LUBAC to dampen lymphocyte NF- $\kappa$ B signalling. <i>Nature Communications</i> , 2015, 6, 8777.   | 12.8 | 139       |
| 23 | Toll-like receptor ligands sensitize B-cell receptor signalling by reducing actin-dependent spatial confinement of the receptor. <i>Nature Communications</i> , 2015, 6, 6168.  | 12.8 | 79        |
| 24 | PI3K Signaling in B Cell and T Cell Biology. <i>Frontiers in Immunology</i> , 2014, 5, 557.   | 4.8  | 22        |
| 25 | Control of the Hippo Pathway by Set7-Dependent Methylation of Yap. <i>Developmental Cell</i> , 2013, 26, 188-194.   | 7.0  | 130       |
| 26 | B-Cell Receptor Signaling Inhibitors for Treatment of Autoimmune Inflammatory Diseases and B-Cell Malignancies. <i>International Reviews of Immunology</i> , 2013, 32, 397-427.   | 3.3  | 62        |
| 27 | Selective pharmacological inhibition of phosphoinositide 3-kinase p110 $\delta$ opposes the progression of autoimmune diabetes in non-obese diabetic (NOD) mice. <i>Autoimmunity</i> , 2013, 46, 62-73.                         | 2.6  | 17        |
| 28 | Ethnic Differences in Atrial Fibrillation Identified Using Implanted Cardiac Devices. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 381-387.   | 1.7  | 55        |
| 29 | The Invasion Inhibitor Sarasinamide A1 Reverses Mesenchymal Tumor Transformation in an E-Cadherin $\epsilon$ -Independent Manner. <i>Molecular Cancer Research</i> , 2013, 11, 530-540.   | 3.4  | 8         |
| 30 | Relevance of Electrical Remodeling in Human Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 626-631.   | 4.8  | 30        |
| 31 | Selective inhibitors of phosphoinositide 3-kinase $\delta$ : modulators of B-cell function with potential for treating autoimmune inflammatory diseases and B-cell malignancies. <i>Frontiers in Immunology</i> , 2012, 3, 256. | 4.8  | 91        |
| 32 | Rationale and study design of the INcrease Of Vagal Tone in Heart Failure study: INOVATE-HF. <i>American Heart Journal</i> , 2012, 163, 954-962.e1.   | 2.7  | 130       |
| 33 | Atrial overdrive pacing to prevent atrial fibrillation: Insights from ASSERT. <i>Heart Rhythm</i> , 2012, 9, 1667-1673.   | 0.7  | 54        |
| 34 | Sites of left and right ventricular lead implantation and response to cardiac resynchronization therapy observations from the REVERSE trial. <i>European Heart Journal</i> , 2012, 33, 2662-2671.                               | 2.2  | 152       |
| 35 | Subclinical Atrial Fibrillation and the Risk of Stroke. <i>New England Journal of Medicine</i> , 2012, 366, 120-129.  | 27.0 | 1,751     |
| 36 | Acute Clinical Evaluation of a Left Ventricular Automatic Threshold Determination Algorithm Based on Evoked Response Sensing. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012, 35, 348-356.                          | 1.2  | 5         |

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|----|---|------|-----------|
| 37 | Small molecule inhibitors of the Pyk2 and FAK kinases modulate chemoattractant-induced migration, adhesion and Akt activation in follicular and marginal zone B cells. <i>Cellular Immunology</i> , 2012, 275, 47-54.   | 3.0  | 24        |
| 38 | Effectiveness of Cardiac Resynchronization Therapy by QRS Morphology in the Multicenter Automatic Defibrillator Implantation Trial—Cardiac Resynchronization Therapy (MADIT-CRT). <i>Circulation</i> , 2011, 123, 1061-1072.  | 1.6  | 714       |
| 39 | The Heart Rhythm Society (HRS)/American Society of Anesthesiologists (ASA) Expert Consensus Statement on the Perioperative Management of Patients with Implantable Defibrillators, Pacemakers and Arrhythmia Monitors: Facilities and Patient Management. <i>Heart Rhythm</i> , 2011, 8, 1114-1154. | 0.7  | 323       |
| 40 | Opposing Roles for CD34 in B16 Melanoma Tumor Growth Alter Early Stage Vasculature and Late Stage Immune Cell Infiltration. <i>PLoS ONE</i> , 2011, 6, e18160.  | 2.5  | 28        |
| 41 | TNFR1 delivers pro-survival signals that are required for limiting TNFR2-dependent activation-induced cell death (AICD) in CD8 <sup>+</sup> T cells. <i>European Journal of Immunology</i> , 2011, 41, 335-344.   | 2.9  | 40        |
| 42 | Cofilin-Mediated F-Actin Severing Is Regulated by the Rap GTPase and Controls the Cytoskeletal Dynamics That Drive Lymphocyte Spreading and BCR Microcluster Formation. <i>Journal of Immunology</i> , 2011, 187, 5887-5900.  | 0.8  | 95        |
| 43 | The Rap GTPases regulate the migration, invasiveness and in vivo dissemination of B-cell lymphomas. <i>Oncogene</i> , 2010, 29, 608-615.  | 5.9  | 24        |
| 44 | Preventing the Activation or Cycling of the Rap1 GTPase Alters Adhesion and Cytoskeletal Dynamics and Blocks Metastatic Melanoma Cell Extravasation into the Lungs. <i>Cancer Research</i> , 2010, 70, 4590-4601.   | 0.9  | 39        |
| 45 | Rap GTPase-mediated adhesion and migration. <i>Cell Adhesion and Migration</i> , 2010, 4, 327-332.  | 2.7  | 8         |
| 46 | B Cell Receptor-induced Phosphorylation of Pyk2 and Focal Adhesion Kinase Involves Integrins and the Rap GTPases and Is Required for B Cell Spreading. <i>Journal of Biological Chemistry</i> , 2009, 284, 22865-22877.   | 3.4  | 37        |
| 47 | Lymphocytes in the Peritoneum Home to the Omentum and Are Activated by Resident Dendritic Cells. <i>Journal of Immunology</i> , 2009, 183, 1155-1165.   | 0.8  | 71        |
| 48 | Phosphoinositide 3-Kinase p110 $\gamma$ Regulates Natural Antibody Production, Marginal Zone and B-1 B Cell Function, and Autoantibody Responses. <i>Journal of Immunology</i> , 2009, 183, 5673-5684.  | 0.8  | 122       |
| 49 | Localized Diacylglycerol-dependent Stimulation of Ras and Rap1 during Phagocytosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 28522-28532.  | 3.4  | 34        |
| 50 | The Rap GTPases Regulate B Cell Morphology, Immune-Synapse Formation, and Signaling by Particulate B Cell Receptor Ligands. <i>Immunity</i> , 2008, 28, 75-87.  | 14.3 | 96        |
| 51 | B Cell Development: Important Work for ERK. <i>Immunity</i> , 2008, 28, 488-490.  | 14.3 | 19        |
| 52 | Differential role of reactive oxygen species in the activation of mitogen-activated protein kinases and Akt by key receptors on B-lymphocytes: CD40, the B cell antigen receptor, and CXCR4. <i>Journal of Cell Communication and Signaling</i> , 2007, 1, 33-43.                                   | 3.4  | 34        |
| 53 | Asymptomatic atrial fibrillation and Stroke Evaluation in pacemaker patients and the atrial fibrillation Reduction atrial pacing Trial (ASSERT). <i>American Heart Journal</i> , 2006, 152, 442-447.  | 2.7  | 117       |
| 54 | AKTion on mantle cell lymphoma. <i>Blood</i> , 2006, 108, 1425-1426.  | 1.4  | 0         |

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|----|---|------|-----------|
| 55 | Selective Induction of Matrix Metalloproteinases and Tissue Inhibitor of Metalloproteinases in Atrial and Ventricular Myocardium in Patients With Atrial Fibrillation. <i>American Journal of Cardiology</i> , 2006, 97, 532-537. | 1.6  | 83        |
| 56 | The Rap GTPases mediate CXCL13- and sphingosine1-phosphate-induced chemotaxis, adhesion, and Pyk2 tyrosine phosphorylation in B lymphocytes. <i>European Journal of Immunology</i> , 2006, 36, 2235-2249.                         | 2.9  | 44        |
| 57 | The Rap GTPases Regulate Integrin-mediated Adhesion, Cell Spreading, Actin Polymerization, and Pyk2 Tyrosine Phosphorylation in B Lymphocytes. <i>Journal of Biological Chemistry</i> , 2004, 279, 12009-12019.                   | 3.4  | 125       |
| 58 | Akt is TCL-ish: implications for B-cell lymphoma. <i>Trends in Immunology</i> , 2003, 24, 104-108.  | 6.8  | 23        |
| 59 | Activation of the Rap GTPases in B Lymphocytes Modulates B Cell Antigen Receptor-induced Activation of Akt but Has No Effect on MAPK Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 41756-41767.                 | 3.4  | 50        |
| 60 | The Human Antimicrobial Peptide LL-37 Is a Multifunctional Modulator of Innate Immune Responses. <i>Journal of Immunology</i> , 2002, 169, 3883-3891.   | 0.8  | 624       |
| 61 | CD40 Signaling in B Cells Regulates the Expression of the Pim-1 Kinase Via the NF- $\kappa$ B Pathway. <i>Journal of Immunology</i> , 2002, 168, 744-754.   | 0.8  | 106       |
| 62 | The B Cell Antigen Receptor Regulates the Transcriptional Activator $\beta$ -Catenin Via Protein Kinase C-Mediated Inhibition of Glycogen Synthase Kinase-3. <i>Journal of Immunology</i> , 2002, 169, 758-769.                   | 0.8  | 59        |
| 63 | The Direct Recruitment of BLNK to Immunoglobulin $\mu$ Couples the B-Cell Antigen Receptor to Distal Signaling Pathways. <i>Molecular and Cellular Biology</i> , 2002, 22, 2524-2535.   | 2.3  | 120       |
| 64 | The Rap GTPases Regulate B Cell Migration Toward the Chemokine Stromal Cell-Derived Factor-1 (CXCL12): Potential Role for Rap2 in Promoting B Cell Migration. <i>Journal of Immunology</i> , 2002, 169, 1365-1371.                | 0.8  | 105       |
| 65 | To make antibodies or not: signaling by the B-cell antigen receptor. <i>Trends in Pharmacological Sciences</i> , 2002, 23, 316-324.   | 8.7  | 55        |
| 66 | Overview of the Alliance for Cellular Signaling. <i>Nature</i> , 2002, 420, 703-706.  | 27.8 | 134       |
| 67 | Activation and phosphatidylinositol 3-kinase-dependent phosphorylation of protein kinase C-epsilon by the B cell antigen receptor. <i>Immunology Letters</i> , 2002, 82, 205-215.   | 2.5  | 10        |
| 68 | Activation and Function of the Rap1 Gtpase in B Lymphocytes. <i>International Reviews of Immunology</i> , 2001, 20, 763-789.  | 3.3  | 23        |
| 69 | New views of BCR structure and organization. <i>Current Opinion in Immunology</i> , 2001, 13, 270-277.  | 5.5  | 56        |
| 70 | The Gab1 Docking Protein Links the B Cell Antigen Receptor to the Phosphatidylinositol 3-Kinase/Akt Signaling Pathway and to the SHP2 Tyrosine Phosphatase. <i>Journal of Biological Chemistry</i> , 2001, 276, 12257-12265.      | 3.4  | 57        |
| 71 | Targets of B-cell antigen receptor signaling: the phosphatidylinositol 3-kinase/Akt/glycogen synthase kinase-3 signaling pathway and the Rap1 GTPase. <i>Immunological Reviews</i> , 2000, 176, 47-68.                            | 6.0  | 53        |
| 72 | Cutting Edge: Cationic Antimicrobial Peptides Block the Binding of Lipopolysaccharide (LPS) to LPS Binding Protein. <i>Journal of Immunology</i> , 2000, 164, 549-553.  | 0.8  | 272       |

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|----|--|-----|-----------|
| 73 | An $\alpha$ -Helical Cationic Antimicrobial Peptide Selectively Modulates Macrophage Responses to Lipopolysaccharide and Directly Alters Macrophage Gene Expression. <i>Journal of Immunology</i> , 2000, 165, 3358-3365.  | 0.8 | 105       |
| 74 | <i>Salmonella typhimurium</i> Infection and Lipopolysaccharide Stimulation Induce Similar Changes in Macrophage Gene Expression. <i>Journal of Immunology</i> , 2000, 164, 5894-5904.  | 0.8 | 199       |
| 75 | Protein kinase C-delta is a target of B-cell antigen receptor signaling. <i>Immunology Letters</i> , 1999, 69, 259-267.  | 2.5 | 21        |
| 76 | Rapid and efficient retrovirus-mediated gene transfer into B cell lines. <i>Cytotechnology</i> , 1999, 21, 57-68.  | 0.7 | 35        |
| 77 | Interaction of Cationic Peptides with Lipoteichoic Acid and Gram-Positive Bacteria. <i>Infection and Immunity</i> , 1999, 67, 6445-6453.   | 2.2 | 135       |
| 78 | Dendritic Cell Survival and Maturation Are Regulated by Different Signaling Pathways. <i>Journal of Experimental Medicine</i> , 1998, 188, 2175-2180.  | 8.5 | 640       |
| 79 | Activation of the Rap1 GTPase by the B Cell Antigen Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 29218-29223.   | 3.4 | 76        |
| 80 | The Gab1 Protein Is a Docking Site for Multiple Proteins Involved in Signaling by the B Cell Antigen Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 30630-30637.  | 3.4 | 77        |
| 81 | <i>Listeria monocytogenes</i> Invasion of Epithelial Cells Requires the MEK-1/ERK-2 Mitogen-Activated Protein Kinase Pathway. <i>Infection and Immunity</i> , 1998, 66, 1106-1112.   | 2.2 | 131       |
| 82 | Reconstitution of B Cell Antigen Receptor-induced Signaling Events in a Nonlymphoid Cell Line by Expressing the Syk Protein-tyrosine Kinase. <i>Journal of Biological Chemistry</i> , 1996, 271, 6458-6466.  | 3.4 | 47        |
| 83 | B Cell Antigen Receptor Signaling Induces the Formation of Complexes Containing the Crk Adapter Proteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 32306-32314.   | 3.4 | 67        |
| 84 | Signal Transduction by the Antigen Receptors of B and T Lymphocytes. <i>International Review of Cytology</i> , 1995, 157, 181-276.   | 6.2 | 26        |
| 85 | Signal Transduction by the B-Cell Antigen Receptor. <i>Annals of the New York Academy of Sciences</i> , 1995, 766, 195-201.  | 3.8 | 35        |
| 86 | Purification and identification of tyrosine-phosphorylated proteins from B lymphocytes stimulated through the antigen receptor. <i>Electrophoresis</i> , 1994, 15, 441-453.  | 2.4 | 34        |
| 87 | Protein tyrosine phosphorylation in streptomycetes. <i>FEMS Microbiology Letters</i> , 1994, 120, 187-190.   | 1.8 | 42        |
| 88 | Biochemistry of B Lymphocyte Activation. <i>Advances in Immunology</i> , 1993, 55, 221-295.  | 2.2 | 110       |
| 89 | Selective activation of p42 mitogen-activated protein (MAP) kinase in murine B lymphoma cell lines by membrane immunoglobulin cross-linking. Evidence for protein kinase C-independent and -dependent mechanisms of activation. <i>Biochemical Journal</i> , 1992, 287, 269-276. | 3.7 | 55        |
| 90 | Examination of B lymphoid cell lines for membrane immunoglobulin-stimulated tyrosine phosphorylation and src-family tyrosine kinase mRNA expression. <i>Molecular Immunology</i> , 1992, 29, 917-926.  | 2.2 | 42        |

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| 91 | Bacterial lipopolysaccharide stimulates protein tyrosine phosphorylation in macrophages.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4148-4152.                | 7.1  | 317       |
| 92 | Regulation of anti-immunoglobulin-induced B lymphoma growth arrest by transforming growth factor $\beta$ 1 and dexamethasone. International Immunology, 1991, 3, 1091-1098.                                    | 4.0  | 9         |
| 93 | Tyrosine phosphorylation of components of the B-cell antigen receptors following receptor crosslinking.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3436-3440. | 7.1  | 217       |
| 94 | Stimulation of protein tyrosine phosphorylation by the B-lymphocyte antigen receptor. Nature, 1990, 345, 810-813.  | 27.8 | 352       |
| 95 | Signal Transduction via the B Cell Antigen Receptor: Involvement of a G Protein and Regulation of Signaling. , 1989, 254, 101-112.   |      | 1         |
| 96 | B-Lymphocyte Signal Transduction in Response to Anti-Immunoglobulin and Bacterial Lipopolysaccharide. Immunological Reviews, 1987, 95, 161-176.  | 6.0  | 96        |