

Valarie A Barr

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,057
citations

471509

17
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

2313
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | T cell receptor ligation induces the formation of dynamically regulated signaling assemblies. <i>Journal of Cell Biology</i> , 2002, 158, 1263-1275. | 5.2 | 573 |
| 2 | Functional Nanoscale Organization of Signaling Molecules Downstream of the T Cell Antigen Receptor. <i>Immunity</i> , 2011, 35, 705-720. | 14.3 | 288 |
| 3 | Dynamic molecular interactions linking the T cell antigen receptor to the actin cytoskeleton. <i>Nature Immunology</i> , 2005, 6, 80-89. | 14.5 | 279 |
| 4 | Dynamic Movement of the Calcium Sensor STIM1 and the Calcium Channel Orai1 in Activated T-Cells: Puncta and Distal Caps. <i>Molecular Biology of the Cell</i> , 2008, 19, 2802-2817. | 2.1 | 130 |
| 5 | The Linker for Activation of T Cells (LAT) Signaling Hub: From Signaling Complexes to Microclusters. <i>Journal of Biological Chemistry</i> , 2015, 290, 26422-26429. | 3.4 | 108 |
| 6 | c-Cbl-Mediated Regulation of LAT-Nucleated Signaling Complexes. <i>Molecular and Cellular Biology</i> , 2007, 27, 8622-8636. | 2.3 | 95 |
| 7 | Imaging techniques for assaying lymphocyte activation in action. <i>Nature Reviews Immunology</i> , 2011, 11, 21-33. | 22.7 | 93 |
| 8 | T-Cell Antigen Receptor-Induced Signaling Complexes: Internalization Via a Cholesterol-Dependent Endocytic Pathway. <i>Traffic</i> , 2006, 7, 1143-1162. | 2.7 | 74 |
| 9 | High-Resolution Multicolor Imaging of Dynamic Signaling Complexes in T Cells Stimulated by Planar Substrates. <i>Science Signaling</i> , 2003, 2003, pl8-pl8. | 3.6 | 68 |
| 10 | Recruitment of calcineurin to the TCR positively regulates T cell activation. <i>Nature Immunology</i> , 2017, 18, 196-204. | 14.5 | 67 |
| 11 | Multipoint Binding of the SLP-76 SH2 Domain to ADAP Is Critical for Oligomerization of SLP-76 Signaling Complexes in Stimulated T Cells. <i>Molecular and Cellular Biology</i> , 2013, 33, 4140-4151. | 2.3 | 43 |
| 12 | madSTORM: a superresolution technique for large-scale multiplexing at single-molecule accuracy. <i>Molecular Biology of the Cell</i> , 2016, 27, 3591-3600. | 2.1 | 42 |
| 13 | Hierarchical nanostructure and synergy of multimolecular signalling complexes. <i>Nature Communications</i> , 2016, 7, 12161. | 12.8 | 32 |
| 14 | The Cish SH2 domain is essential for PLC- β 1 regulation in TCR stimulated CD8+ T cells. <i>Scientific Reports</i> , 2018, 8, 5336. | 3.3 | 32 |
| 15 | Formation of STIM and Orai complexes: puncta and distal caps. <i>Immunological Reviews</i> , 2009, 231, 148-159. | 6.0 | 31 |
| 16 | Intensity and duration of TCR signaling is limited by p38 phosphorylation of ZAP-70 ^{T293} and destabilization of the signalosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2174-2179. | 7.1 | 27 |
| 17 | Resolving multi-molecular protein interactions by photoactivated localization microscopy. <i>Methods</i> , 2013, 59, 261-269. | 3.8 | 26 |
| 18 | GTP-binding Protein-like Domain of AGAP1 Is Protein Binding Site That Allosterically Regulates ArfGAP Protein Catalytic Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 17176-17185. | 3.4 | 16 |

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|----|---|-----|-----------|
| 19 | Development of nanoscale structure in LAT-based signaling complexes. Journal of Cell Science, 2016, 129, 4548-4562. | 2.0 | 11 |
| 20 | Timed Regulation of 3BP2 Induction Is Critical for Sustaining CD8+ T Cell Expansion and Differentiation. Cell Reports, 2018, 24, 1123-1135. | 6.4 | 9 |
| 21 | <i>In vivo</i> functional mapping of the conserved protein domains within murine Themis1. Immunology and Cell Biology, 2014, 92, 721-728. | 2.3 | 5 |
| 22 | Super-resolution Analysis of TCR-Dependent Signaling: Single-Molecule Localization Microscopy. Methods in Molecular Biology, 2017, 1584, 183-206. | 0.9 | 4 |
| 23 | Highly Multiplexed, Super-resolution Imaging of T Cells Using madSTORM. Journal of Visualized Experiments, 2017, . . | 0.3 | 4 |
| 24 | Fluorescent Nanodiamonds as Fiducial Markers or Nanodiamonds Are Forever.. Microscopy and Microanalysis, 2016, 22, 1018-1019. | 0.4 | 0 |