

Raibatak Das

List of Publications by Year in descending order

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17
papers

953
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687363

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docs citations

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times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. <i>Cell</i> , 2016, 164, 128-140.	28.9	163
2	A Hidden Markov Model for Single Particle Tracks Quantifies Dynamic Interactions between LFA-1 and the Actin Cytoskeleton. <i>PLoS Computational Biology</i> , 2009, 5, e1000556.	3.2	113
3	Actin Cytoskeleton Reorganization by Syk Regulates Fc γ 3 Receptor Responsiveness by Increasing Its Lateral Mobility and Clustering. <i>Developmental Cell</i> , 2014, 29, 534-546.	7.0	103
4	Live-cell single-molecule tracking reveals co-recognition of H3K27me3 and DNA targets polycomb Cbx7-PRC1 to chromatin. <i>ELife</i> , 2016, 5, .	6.0	95
5	Mechanical force regulates integrin turnover in <i>Drosophila</i> in vivo. <i>Nature Cell Biology</i> , 2012, 14, 935-943.	10.3	85
6	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
7	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. <i>Journal of Biological Chemistry</i> , 2017, 292, 14292-14307.	3.4	68
8	A Role for Rebinding in Rapid and Reliable T Cell Responses to Antigen. <i>PLoS Computational Biology</i> , 2009, 5, e1000578.	3.2	63
9	Dynamic Regulation of CD45 Lateral Mobility by the Spectrin-Ankyrin Cytoskeleton of T Cells*. <i>Journal of Biological Chemistry</i> , 2010, 285, 11392-11401.	3.4	47
10	A transient dopamine signal encodes subjective value and causally influences demand in an economic context. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11303-E11312.	7.1	41
11	In vivo quantitative analysis of Talin turnover in response to force. <i>Molecular Biology of the Cell</i> , 2015, 26, 4149-4162.	2.1	21
12	Analysis of membrane-localized binding kinetics with FRAP. <i>European Biophysics Journal</i> , 2008, 37, 627-638.	2.2	18
13	A simple and efficient method for transfecting mouse embryonic stem cells using polyethylenimine. <i>Experimental Cell Research</i> , 2015, 330, 178-185.	2.6	17
14	Real-Time Cross-Correlation Image Analysis of Early Events in IgE Receptor Signaling. <i>Biophysical Journal</i> , 2008, 94, 4996-5008.	0.5	15
15	Binding Mechanisms of PEGylated Ligands Reveal Multiple Effects of the PEG Scaffold. <i>Biochemistry</i> , 2008, 47, 1017-1030.	2.5	12
16	Modeling Effect of a β -Secretase Inhibitor on Amyloid- β Dynamics Reveals Significant Role of an Amyloid Clearance Mechanism. <i>Bulletin of Mathematical Biology</i> , 2011, 73, 230-247.	1.9	10
17	Quantitative Image Analysis of the Spatial Organization and Mobility of Caveolin Aggregates at the Plasma Membrane. <i>Methods in Molecular Biology</i> , 2020, 2169, 53-62.	0.9	1