

Shae B Padrick

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,965
citations

430874

18
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

4244
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and analysis of a mammalian septin hetero-octamer complex. <i>Cytoskeleton</i> , 2020, 77, 485-499.	2.0	23
2	Abp1 promotes Arp2/3 complex-dependent actin nucleation and stabilizes branch junctions by antagonizing GMF. <i>Nature Communications</i> , 2018, 9, 2895.	12.8	19
3	Structural Basis of Arp2/3 Complex Inhibition by GMF, Coronin, and Arpin. <i>Journal of Molecular Biology</i> , 2017, 429, 237-248.	4.2	50
4	Sequence Determinants of Intracellular Phase Separation by Complex Coacervation of a Disordered Protein. <i>Molecular Cell</i> , 2016, 63, 72-85.	9.7	622
5	The antitumor toxin CD437 is a direct inhibitor of DNA polymerase β . <i>Nature Chemical Biology</i> , 2016, 12, 511-515.	8.0	83
6	On the acquisition and analysis of microscale thermophoresis data. <i>Analytical Biochemistry</i> , 2016, 496, 79-93.	2.4	130
7	A novel role for WAVE1 in controlling actin network growth rate and architecture. <i>Molecular Biology of the Cell</i> , 2015, 26, 495-505.	2.1	20
8	Biochemical Reconstitution of the WAVE Regulatory Complex. <i>Methods in Enzymology</i> , 2014, 540, 55-72.	1.0	20
9	The Bacterial Effector VopL Organizes Actin into Filament-like Structures. <i>Cell</i> , 2013, 155, 423-434.	28.9	43
10	Multi-Signal Sedimentation Velocity Analysis with Mass Conservation for Determining the Stoichiometry of Protein Complexes. <i>PLoS ONE</i> , 2013, 8, e62694.	2.5	18
11	GMF Severs Actin-Arp2/3 Complex Branch Junctions by a Cofilin-like Mechanism. <i>Current Biology</i> , 2013, 23, 1037-1045.	3.9	66
12	Three-color single molecule imaging shows WASP detachment from Arp2/3 complex triggers actin filament branch formation. <i>ELife</i> , 2013, 2, e01008.	6.0	101
13	Purification of Native Arp2/3 Complex from Bovine Thymus. <i>Methods in Molecular Biology</i> , 2013, 1046, 231-250.	0.9	15
14	Purification of Arp2/3 Complex from <i>Saccharomyces cerevisiae</i> . <i>Methods in Molecular Biology</i> , 2013, 1046, 251-271.	0.9	11
15	Measurement and Analysis of In Vitro Actin Polymerization. <i>Methods in Molecular Biology</i> , 2013, 1046, 273-293.	0.9	80
16	Evaluating the stoichiometry of macromolecular complexes using multisignal sedimentation velocity. <i>Methods</i> , 2011, 54, 39-55.	3.8	30
17	Arp2/3 complex is bound and activated by two WASP proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E472-9.	7.1	180
18	Determination of protein complex stoichiometry through multisignal sedimentation velocity experiments. <i>Analytical Biochemistry</i> , 2010, 407, 89-103.	2.4	39

#	ARTICLE	IF	CITATIONS
19	Physical Mechanisms of Signal Integration by WASP Family Proteins. Annual Review of Biochemistry, 2010, 79, 707-735.	11.1	245
20	Structure and control of the actin regulatory WAVE complex. Nature, 2010, 468, 533-538.	27.8	424
21	The WAVE regulatory complex is inhibited. Nature Structural and Molecular Biology, 2009, 16, 561-563.	8.2	135
22	Hierarchical Regulation of WASP/WAVE Proteins. Molecular Cell, 2008, 32, 426-438.	9.7	188
23	Islet Amyloid: Phase Partitioning and Secondary Nucleation Are Central to the Mechanism of Fibrillogenesis. Biochemistry, 2002, 41, 4694-4703.	2.5	302
24	Islet amyloid polypeptide: identification of long-range contacts and local order on the fibrillogenesis pathway 1 Edited by F. Cohen. Journal of Molecular Biology, 2001, 308, 783-794.	4.2	120