

# 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	Sequence Determinants of Intracellular Phase Separation by Complex Coacervation of a Disordered Protein. <i>Molecular Cell</i> , 2016, 63, 72-85.	9.7	622
2	Structure and control of the actin regulatory WAVE complex. <i>Nature</i> , 2010, 468, 533-538.	27.8	424
3	Islet Amyloid:â€™ Phase Partitioning and Secondary Nucleation Are Central to the Mechanism of Fibrillogenesis. <i>Biochemistry</i> , 2002, 41, 4694-4703.	2.5	302
4	Physical Mechanisms of Signal Integration by WASP Family Proteins. <i>Annual Review of Biochemistry</i> , 2010, 79, 707-735.	11.1	245
5	Hierarchical Regulation of WASP/WAVE Proteins. <i>Molecular Cell</i> , 2008, 32, 426-438.	9.7	188
6	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
7	The WAVE regulatory complex is inhibited. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 561-563.	8.2	135
8	On the acquisition and analysis of microscale thermophoresis data. <i>Analytical Biochemistry</i> , 2016, 496, 79-93.	2.4	130
9	Islet amyloid polypeptide: identification of long-range contacts and local order on the fibrillogenesis pathway 1 Edited by F. Cohen. <i>Journal of Molecular Biology</i> , 2001, 308, 783-794.	4.2	120
10	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
11	The antitumor toxin CD437 is a direct inhibitor of DNA polymerase $\delta$ . <i>Nature Chemical Biology</i> , 2016, 12, 511-515.	8.0	83
12	Measurement and Analysis of In Vitro Actin Polymerization. <i>Methods in Molecular Biology</i> , 2013, 1046, 273-293.	0.9	80
13	GMF Severs Actin-Arp2/3 Complex Branch Junctions by a Cofilin-like Mechanism. <i>Current Biology</i> , 2013, 23, 1037-1045.	3.9	66
14	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
15	The Bacterial Effector VopL Organizes Actin into Filament-like Structures. <i>Cell</i> , 2013, 155, 423-434.	28.9	43
16	Determination of protein complex stoichiometry through multisignal sedimentation velocity experiments. <i>Analytical Biochemistry</i> , 2010, 407, 89-103.	2.4	39
17	Evaluating the stoichiometry of macromolecular complexes using multisignal sedimentation velocity. <i>Methods</i> , 2011, 54, 39-55.	3.8	30
18	Production and analysis of a mammalian septin heteroâ€™octamer complex. <i>Cytoskeleton</i> , 2020, 77, 485-499.	2.0	23

#	ARTICLE	IF	CITATIONS
19	Biochemical Reconstitution of the WAVE Regulatory Complex. <i>Methods in Enzymology</i> , 2014, 540, 55-72.	1.0	20
20	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
21	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
22	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
23	Purification of Native Arp2/3 Complex from Bovine Thymus. <i>Methods in Molecular Biology</i> , 2013, 1046, 231-250.	0.9	15
24	Purification of Arp2/3 Complex from <i>Saccharomyces cerevisiae</i> . <i>Methods in Molecular Biology</i> , 2013, 1046, 251-271.	0.9	11