

Sarah M Heissler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,076
citations

18
h-index

32
g-index

36
ext. papers

1,329
ext. citations

7.4
avg, IF

4.82
L-index

#	Paper	IF	Citations
32	The ATPase mechanism of myosin 15, the molecular motor mutated in DFNB3 human deafness. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100243	5.4	5
31	Cryo-EM structure of the autoinhibited state of myosin-2.. <i>Science Advances</i> , 2021 , 7, eabk3273	14.3	3
30	Tyrosine Phosphorylation of the Myosin Regulatory Light Chain Controls Non-muscle Myosin II Assembly and Function in Migrating Cells. <i>Current Biology</i> , 2020 , 30, 2446-2458.e6	6.3	8
29	The BAR domain of the Arf GTPase-activating protein ASAP1 directly binds actin filaments. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11303-11315	5.4	7
28	Nonmuscle myosin-2 isoforms. <i>Current Biology</i> , 2019 , 29, R275-R278	6.3	12
27	Affimer proteins for F-actin: novel affinity reagents that label F-actin in live and fixed cells. <i>Scientific Reports</i> , 2018 , 8, 6572	4.9	24
26	Dissecting myosin-5B mechanosensitivity and calcium regulation at the single molecule level. <i>Nature Communications</i> , 2018 , 9, 2844	17.4	20
25	Re-evaluating the roles of myosin 18A and F-actin in determining Golgi morphology. <i>Cytoskeleton</i> , 2017 , 74, 205-218	2.4	19
24	Kinetic signatures of myosin-5B, the motor involved in microvillus inclusion disease. <i>Journal of Biological Chemistry</i> , 2017 , 292, 18372-18385	5.4	8
23	Cover Image, Volume 74, Issue 5. <i>Cytoskeleton</i> , 2017 , 74, C1-C1	2.4	
22	Cover Image, Volume 74, Issue 5. <i>Cytoskeleton</i> , 2017 , 74, C4-C4	2.4	
21	Mechanistic insights into the active site and allosteric communication pathways in human nonmuscle myosin-2C. <i>ELife</i> , 2017 , 6,	8.9	18
20	Cryo-EM structure of a human cytoplasmic actomyosin complex at near-atomic resolution. <i>Nature</i> , 2016 , 534, 724-8	50.4	152
19	Various Themes of Myosin Regulation. <i>Journal of Molecular Biology</i> , 2016 , 428, 1927-46	6.5	79
18	The Arf GTPase-activating Protein, ASAP1, Binds Nonmuscle Myosin 2A to Control Remodeling of the Actomyosin Network. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7517-26	5.4	21
17	non-muscle myosin II motor activity determines the rate of tissue folding. <i>ELife</i> , 2016 , 5,	8.9	36
16	Kinetic Adaptations of Myosins for Their Diverse Cellular Functions. <i>Traffic</i> , 2016 , 17, 839-59	5.7	58

15	Self-organization of actin networks by a monomeric myosin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E8387-E8395	11.5	11
14	Four things to know about myosin light chains as reporters for non-muscle myosin-2 dynamics in live cells. <i>Cytoskeleton</i> , 2015 , 72, 65-70	2.4	16
13	Myosin 18A coassembles with nonmuscle myosin 2 to form mixed bipolar filaments. <i>Current Biology</i> , 2015 , 25, 942-8	6.3	61
12	Kinetic characterization of the sole nonmuscle myosin-2 from the model organism <i>Drosophila melanogaster</i> . <i>FASEB Journal</i> , 2015 , 29, 1456-66	0.9	20
11	Myosin light chains: Teaching old dogs new tricks. <i>Bioarchitecture</i> , 2014 , 4, 169-88		66
10	Nonmuscle myosin-2: mix and match. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 1-21	10.3	158
9	Mammalian myosin-18A, a highly divergent myosin. <i>Journal of Biological Chemistry</i> , 2013 , 288, 9532-48	5.4	54
8	Kinetic characterization of the ATPase and actin-activated ATPase activities of <i>Acanthamoeba castellanii</i> myosin-2. <i>Journal of Biological Chemistry</i> , 2013 , 288, 26709-20	5.4	6
7	Distinct functional interactions between actin isoforms and nonsarcomeric myosins. <i>PLoS ONE</i> , 2013 , 8, e70636	3.7	47
6	Functional characterization of the human myosin-7a motor domain. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 299-311	10.3	27
5	Kinetic properties and small-molecule inhibition of human myosin-6. <i>FEBS Letters</i> , 2012 , 586, 3208-14	3.8	35
4	Phalloidin perturbs the interaction of human non-muscle myosin isoforms 2A and 2C1 with F-actin. <i>FEBS Letters</i> , 2011 , 585, 767-71	3.8	14
3	Mechanism and specificity of pentachloropseudilin-mediated inhibition of myosin motor activity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29700-8	5.4	48
2	Comparative kinetic and functional characterization of the motor domains of human nonmuscle myosin-2C isoforms. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21191-202	5.4	42
1	The ATPase mechanism of myosin 15, the molecular motor mutated in DFNB3 human deafness		1