

Manuel H Taft

List of Publications by Citations

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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.

36
papers

642
citations

15
h-index

25
g-index

53
ext. papers

795
ext. citations

5.9
avg, IF

3.69
L-index

#	Paper	IF	Citations
36	Pink-beam serial crystallography. <i>Nature Communications</i> , 2017 , 8, 1281	17.4	72
35	The mechanism of pentabromopseudilin inhibition of myosin motor activity. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 80-8	17.6	56
34	Mechanism and specificity of pentachloropseudilin-mediated inhibition of myosin motor activity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29700-8	5.4	48
33	Distinct functional interactions between actin isoforms and nonsarcomeric myosins. <i>PLoS ONE</i> , 2013 , 8, e70636	3.7	47
32	Functional characterization of human myosin-18A and its interaction with F-actin and GOLPH3. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30029-30041	5.4	46
31	Crystal structure of human myosin 1c--the motor in GLUT4 exocytosis: implications for Ca ²⁺ regulation and 14-3-3 binding. <i>Journal of Molecular Biology</i> , 2014 , 426, 2070-81	6.5	41
30	Load-dependent modulation of non-muscle myosin-2A function by tropomyosin 4.2. <i>Scientific Reports</i> , 2016 , 6, 20554	4.9	39
29	Small molecule-mediated refolding and activation of myosin motor function. <i>ELife</i> , 2014 , 3, e01603	8.9	36
28	Co-polymers of Actin and Tropomyosin Account for a Major Fraction of the Human Actin Cytoskeleton. <i>Current Biology</i> , 2018 , 28, 2331-2337.e5	6.3	30
27	Dictyostelium myosin-5b is a conditional processive motor. <i>Journal of Biological Chemistry</i> , 2008 , 283, 26902-10	5.4	30
26	C-mannosylation supports folding and enhances stability of thrombospondin repeats. <i>ELife</i> , 2019 , 8,	8.9	30
25	Three mammalian tropomyosin isoforms have different regulatory effects on nonmuscle myosin-2B and filamentous F-actin. <i>Journal of Biological Chemistry</i> , 2018 , 293, 863-875	5.4	26
24	Variants in exons 5 and 6 of ACTB cause syndromic thrombocytopenia. <i>Nature Communications</i> , 2018 , 9, 4250	17.4	25
23	Myosin-1C associates with microtubules and stabilizes the mitotic spindle during cell division. <i>Journal of Cell Science</i> , 2011 , 124, 2521-8	5.3	22
22	GTPase domain driven dimerization of SEPT7 is dispensable for the critical role of septins in fibroblast cytokinesis. <i>Scientific Reports</i> , 2016 , 6, 20007	4.9	20
21	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
20	N-terminal splicing extensions of the human gene fine-tune the kinetics of the three full-length myosin IC isoforms. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17804-17818	5.4	12

19	Phenamacril is a reversible and noncompetitive inhibitor of class I myosin. <i>Journal of Biological Chemistry</i> , 2019 , 294, 1328-1337	5.4	10
18	Context-Dependent Sensitivity to Mutations Disrupting the Structural Integrity of Individual EGF Repeats in the Mouse Notch Ligand DLL1. <i>Genetics</i> , 2016 , 202, 1119-33	4	8
17	The Conserved Lysine-265 Allosterically Modulates Nucleotide- and Actin-binding Site Coupling in Myosin-2. <i>Scientific Reports</i> , 2017 , 7, 7650	4.9	7
16	Myosin XVIII. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1239, 421-438	3.6	6
15	Myosin-18B Regulates Higher-Order Organization of the Cardiac Sarcomere through Thin Filament Cross-Linking and Thick Filament Dynamics. <i>Cell Reports</i> , 2020 , 32, 108090	10.6	4
14	EMD57033 Acts as a Pharmacological Chaperone Stabilizing and Activating Myosin Motor Activity. <i>Biophysical Journal</i> , 2012 , 102, 354a	2.9	2
13	Structural and Biochemical Characterization of a Dye-Decolorizing Peroxidase from. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
12	Muscle myosin performance measured with a synthetic nanomachine reveals a class-specific Ca ²⁺ -sensitivity of the frog myosin II isoform. <i>Journal of Physiology</i> , 2021 , 599, 1815-1831	3.9	2
11	Undefeated-Changing the phenamacril scaffold is not enough to beat resistant Fusarium. <i>PLoS ONE</i> , 2020 , 15, e0235568	3.7	1
10	Assessment of the Contribution of a Thermodynamic and Mechanical Destabilization of Myosin-Binding Protein C Domain C2 to the Pathomechanism of Hypertrophic Cardiomyopathy-Causing Double Mutation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
9	Allosteric modulation of cardiac myosin mechanics and kinetics by the conjugated omega-7,9 trans-fat rumenic acid. <i>Journal of Physiology</i> , 2021 , 599, 3639-3661	3.9	1
8	Frameshift mutation S368fs in the gene encoding cytoskeletal β actin leads to ACTB-associated syndromic thrombocytopenia by impairing actin dynamics.. <i>European Journal of Cell Biology</i> , 2022 , 101, 151216	6.1	0
7	Mechanochemical properties of human myosin-1C are modulated by isoform-specific differences in the N-terminal extension. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100128	5.4	
6	Undefeated-Changing the phenamacril scaffold is not enough to beat resistant Fusarium 2020 , 15, e0235568		
5	Undefeated-Changing the phenamacril scaffold is not enough to beat resistant Fusarium 2020 , 15, e0235568		
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3	Undefeated-Changing the phenamacril scaffold is not enough to beat resistant Fusarium 2020 , 15, e0235568		
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1 Undefeated Changing the phenamacril scaffold is not enough to beat resistant Fusarium **2020**,
15, e0235568