

# Manuel H Taft

## 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.

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	Frameshift mutation S368fs in the gene encoding cytoskeletal $\beta$ actin leads to ACTB-associated syndromic thrombocytopenia by impairing actin dynamics.. <i>European Journal of Cell Biology</i> , <b>2022</b> , 101, 151216	6.1	0
35	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> , <b>2021</b> , 22,	6.3	1
34	Allosteric modulation of cardiac myosin mechanics and kinetics by the conjugated omega-7,9 trans-fat rumenic acid. <i>Journal of Physiology</i> , <b>2021</b> , 599, 3639-3661	3.9	1
33	Structural and Biochemical Characterization of a Dye-Decolorizing Peroxidase from. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
32	Mechanochemical properties of human myosin-1C are modulated by isoform-specific differences in the N-terminal extension. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100128	5.4	
31	Muscle myosin performance measured with a synthetic nanomachine reveals a class-specific Ca-sensitivity of the frog myosin II isoform. <i>Journal of Physiology</i> , <b>2021</b> , 599, 1815-1831	3.9	2
30	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235568	3.7	1
29	Myosin XVIII. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1239, 421-438	3.6	6
28	Myosin-18B Regulates Higher-Order Organization of the Cardiac Sarcomere through Thin Filament Cross-Linking and Thick Filament Dynamics. <i>Cell Reports</i> , <b>2020</b> , 32, 108090	10.6	4
27	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium <b>2020</b> , 15, e0235568		
26	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium <b>2020</b> , 15, e0235568		
25	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium <b>2020</b> , 15, e0235568		
24	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium <b>2020</b> , 15, e0235568		
23	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium <b>2020</b> , 15, e0235568		
22	Undeclared-Changing the phenamacril scaffold is not enough to beat resistant Fusarium <b>2020</b> , 15, e0235568		
21	Phenamacril is a reversible and noncompetitive inhibitor of class I myosin. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 1328-1337	5.4	10
20	C-mannosylation supports folding and enhances stability of thrombospondin repeats. <i>ELife</i> , <b>2019</b> , 8,	8.9	30

19	Co-polymers of Actin and Tropomyosin Account for a Major Fraction of the Human Actin Cytoskeleton. <i>Current Biology</i> , <b>2018</b> , 28, 2331-2337.e5	6.3	30
18	Three mammalian tropomyosin isoforms have different regulatory effects on nonmuscle myosin-2B and filamentous actin. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 863-875	5.4	26
17	Variants in exons 5 and 6 of ACTB cause syndromic thrombocytopenia. <i>Nature Communications</i> , <b>2018</b> , 9, 4250	17.4	25
16	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> , <b>2017</b> , 292, 17804-17818	5.4	12
15	The Conserved Lysine-265 Allosterically Modulates Nucleotide- and Actin-binding Site Coupling in Myosin-2. <i>Scientific Reports</i> , <b>2017</b> , 7, 7650	4.9	7
14	Pink-beam serial crystallography. <i>Nature Communications</i> , <b>2017</b> , 8, 1281	17.4	72
13	GTPase domain driven dimerization of SEPT7 is dispensable for the critical role of septins in fibroblast cytokinesis. <i>Scientific Reports</i> , <b>2016</b> , 6, 20007	4.9	20
12	Context-Dependent Sensitivity to Mutations Disrupting the Structural Integrity of Individual EGF Repeats in the Mouse Notch Ligand DLL1. <i>Genetics</i> , <b>2016</b> , 202, 1119-33	4	8
11	Load-dependent modulation of non-muscle myosin-2A function by tropomyosin 4.2. <i>Scientific Reports</i> , <b>2016</b> , 6, 20554	4.9	39
10	Crystal structure of human myosin 1c--the motor in GLUT4 exocytosis: implications for Ca <sup>2+</sup> regulation and 14-3-3 binding. <i>Journal of Molecular Biology</i> , <b>2014</b> , 426, 2070-81	6.5	41
9	Small molecule-mediated refolding and activation of myosin motor function. <i>ELife</i> , <b>2014</b> , 3, e01603	8.9	36
8	Functional characterization of human myosin-18A and its interaction with F-actin and GOLPH3. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 30029-30041	5.4	46
7	Distinct functional interactions between actin isoforms and nonsarcomeric myosins. <i>PLoS ONE</i> , <b>2013</b> , 8, e70636	3.7	47
6	EMD57033 Acts as a Pharmacological Chaperone Stabilizing and Activating Myosin Motor Activity. <i>Biophysical Journal</i> , <b>2012</b> , 102, 354a	2.9	2
5	Myosin-1C associates with microtubules and stabilizes the mitotic spindle during cell division. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 2521-8	5.3	22
4	Phalloidin perturbs the interaction of human non-muscle myosin isoforms 2A and 2C1 with F-actin. <i>FEBS Letters</i> , <b>2011</b> , 585, 767-71	3.8	14
3	Mechanism and specificity of pentachloropseudilin-mediated inhibition of myosin motor activity. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 29700-8	5.4	48
2	The mechanism of pentabromopseudilin inhibition of myosin motor activity. <i>Nature Structural and Molecular Biology</i> , <b>2009</b> , 16, 80-8	17.6	56

1 Dictyostelium myosin-5b is a conditional processive motor. *Journal of Biological Chemistry*, **2008**, 283, 26902-10

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