

# Matthias Preller

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

962  
citations

643344

15  
h-index

511568

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triiodothyronine Acts as a Smart Influencer on Hsp90 via a Triiodothyronine Binding Site. International Journal of Molecular Sciences, 2022, 23, 7150.	1.8	0
2	Rare germline variants in the E-cadherin gene CDH1 are associated with the risk of brain tumors of neuroepithelial and epithelial origin. Acta Neuropathologica, 2021, 142, 191-210.	3.9	6
3	Unraveling a Force-Generating Allosteric Pathway of Actomyosin Communication Associated with ADP and Pi Release. International Journal of Molecular Sciences, 2021, 22, 104.	1.8	5
4	In vivo efficacy of mutant IDH1 inhibitor HMS-101 and structural resolution of distinct binding site. Leukemia, 2020, 34, 416-426.	3.3	13
5	Structural and Computational Insights into a Blebbistatin-Bound Myosin-ADP Complex with Characteristics of an ADP-Release Conformation along the Two-Step Myosin Power Stroke. International Journal of Molecular Sciences, 2020, 21, 7417.	1.8	4
6	A role for actin flexibility in thin filament-mediated contractile regulation and myopathy. Nature Communications, 2020, 11, 2417.	5.8	16
7	Small Molecule Effectors of Myosin Function. Advances in Experimental Medicine and Biology, 2020, 1239, 61-84.	0.8	9
8	SPG7 mutations in amyotrophic lateral sclerosis: a genetic link to hereditary spastic paraplegia. Journal of Neurology, 2020, 267, 2732-2743.	1.8	14
9	Novel Antimalarial Inhibitors That Specifically Target the Invasion Motor Protein Myosin A in Malaria Parasites. Proceedings (mdpi), 2019, 22, .	0.2	0
10	Analysis of the dominant mutation N188T of human connexin46 (<sc>hC</sc>x46) using concatenation and molecular dynamics simulation. FEBS Open Bio, 2019, 9, 840-850.	1.0	3
11	Lipase-Catalyzed Chemoselective Ester Hydrolysis of Biomimetically Coupled Aryls for the Synthesis of Unsymmetric Biphenyl Esters. Molecules, 2019, 24, 4272.	1.7	6
12	C-mannosylation supports folding and enhances stability of thrombospondin repeats. ELife, 2019, 8, .	2.8	62
13	Calcium Sensor for Photoacoustic Imaging. Journal of the American Chemical Society, 2018, 140, 2718-2721.	6.6	109
14	FIG4 variants in central European patients with amyotrophic lateral sclerosis: a whole-exome and targeted sequencing study. European Journal of Human Genetics, 2017, 25, 324-331.	1.4	39
15	Rare ADAR and RNASEH2B variants and a type I interferon signature in glioma and prostate carcinoma risk and tumorigenesis. Acta Neuropathologica, 2017, 134, 905-922.	3.9	12
16	Development of a microarray-based assay for efficient testing of new HSP70/DnaK inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 6345-6352.	1.4	15
17	Myosin Motors: Structural Aspects and Functionality. , 2017, , .		4
18	Mechanistic insights into the active site and allosteric communication pathways in human nonmuscle myosin-2C. ELife, 2017, 6, .	2.8	22

#	ARTICLE	IF	CITATIONS
19	Data of the molecular dynamics simulations of mutations in the human connexin46 docking interface. <i>Data in Brief</i> , 2016, 7, 93-99.	0.5	6
20	Context-Dependent Sensitivity to Mutations Disrupting the Structural Integrity of Individual EGF Repeats in the Mouse Notch Ligand DLL1. <i>Genetics</i> , 2016, 202, 1119-1133.	1.2	10
21	The cataract related mutation N188T in human connexin46 (hCx46) revealed a critical role for residue N188 in the docking process of gap junction channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 57-66.	1.4	20
22	Kinetic mechanism of <i>Nicotiana tabacum</i> myosin II defines a new type of a processive motor. <i>FASEB Journal</i> , 2015, 29, 81-94.	0.2	12
23	Silver(I)-Catalyzed Route to Pyrroles: Synthesis of Halogenated Pseudilins as Allosteric Inhibitors for Myosin ATPase and X-ray Crystal Structures of the Protein-Inhibitor Complexes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4487-4505.	1.2	18
24	Molecular mechanisms of disease-related human $\beta$ -actin mutations p.R183W and p.E364K. <i>FEBS Journal</i> , 2014, 281, 5279-5291.	2.2	37
25	Small molecule-mediated refolding and activation of myosin motor function. <i>ELife</i> , 2014, 3, e01603.	2.8	47
26	A Novel Inhibitor of Mutant IDH1 Induces Differentiation in Vivo and Prolongs Survival in a Mouse Model of Leukemia. <i>Blood</i> , 2014, 124, 3598-3598.	0.6	8
27	The myosin start-to-stop power stroke state and how actin binding drives the power stroke. <i>Cytoskeleton</i> , 2013, 70, 651-660.	1.0	27
28	Myosin Structure, Allostery, and Mechano-Chemistry. <i>Structure</i> , 2013, 21, 1911-1922.	1.6	56
29	Mutant IDH1 promotes leukemogenesis in vivo and can be specifically targeted in human AML. <i>Blood</i> , 2013, 122, 2877-2887.	0.6	186
30	Distinct Functional Interactions between Actin Isoforms and Nonsarcomeric Myosins. <i>PLoS ONE</i> , 2013, 8, e70636.	1.1	74
31	4.8 Myosin Motors: Structural Aspects and Functionality. , 2012, , 118-150.		6
32	Inhibition of Myosin ATPase Activity by Halogenated Pseudilins: A Structure-Activity Study. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3675-3685.	2.9	39
33	Mechanism and Specificity of Pentachloropseudilin-mediated Inhibition of Myosin Motor Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 29700-29708.	1.6	56
34	Structural Basis for the Allosteric Interference of Myosin Function by Reactive Thiol Region Mutations G680A and G680V. <i>Journal of Biological Chemistry</i> , 2011, 286, 35051-35060.	1.6	15
35	Calculation of the structure, potential energy surface, vibrational dynamics, and electric dipole properties for the Xe:HI van der Waals complex. <i>Journal of Chemical Physics</i> , 2011, 134, 174302.	1.2	6