

Matthias Zebisch

List of Publications by Year in descending order

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25
papers

2,277
citations

471371

17
h-index

580701

25
g-index

27
all docs

27
docs citations

27
times ranked

3355
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a robust crystallization platform for immune receptor TREM2 using a crystallization chaperone strategy. <i>Protein Expression and Purification</i> , 2021, 179, 105796.	0.6	4
2	Crystallization of ectonucleotide phosphodiesterase/pyrophosphatase-3 and orientation of the SMB domains in the full-length ectodomain. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 696-703.	0.4	2
3	Crystal structure and substrate binding mode of ectonucleotide phosphodiesterase/pyrophosphatase-3 (NPP3). <i>Scientific Reports</i> , 2018, 8, 10874.	1.6	9
4	Structure of the Dual-Mode Wnt Regulator Kremen1 and Insight into Ternary Complex Formation with LRP6 and Dickkopf. <i>Structure</i> , 2016, 24, 1599-1605.	1.6	32
5	Notum deacylates Wnt proteins to suppress signalling activity. <i>Nature</i> , 2015, 519, 187-192.	13.7	348
6	Crystal structure of R-spondin 2 in complex with the ectodomains of its receptors LGR5 and ZNRF3. <i>Journal of Structural Biology</i> , 2015, 191, 149-155.	1.3	43
7	ZNRF3/RNF43 – A direct linkage of extracellular recognition and E3 ligase activity to modulate cell surface signalling. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 112-118.	1.4	40
8	Notum Is Required for Neural and Head Induction via Wnt Deacylation, Oxidation, and Inactivation. <i>Developmental Cell</i> , 2015, 32, 719-730.	3.1	155
9	The Biochemical Properties of the Arabidopsis Ecto-Nucleoside Triphosphate Diphosphohydrolase AtAPY1 Contradict a Direct Role in Purinergic Signaling. <i>PLoS ONE</i> , 2015, 10, e0115832.	1.1	14
10	Structure and functional properties of Norrin mimic Wnt for signalling with Frizzled4, Lrp5/6, and proteoglycan. <i>ELife</i> , 2015, 4, .	2.8	90
11	Structures of <i>Legionella pneumophila</i> NTPDase1 in complex with polyoxometallates. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1147-1154.	2.5	25
12	Crystal structure of NTPDase2 in complex with the sulfoanthraquinone inhibitor PSB-071. <i>Journal of Structural Biology</i> , 2014, 185, 336-341.	1.3	25
13	The ATP/ADP Substrate Specificity Switch between <i>Toxoplasma gondii</i> NTPDase1 and NTPDase3 is Caused by an Altered Mode of Binding of the Substrate Base. <i>ChemBioChem</i> , 2013, 14, 2292-2300.	1.3	5
14	Crystallographic Snapshots along the Reaction Pathway of Nucleoside Triphosphate Diphosphohydrolases. <i>Structure</i> , 2013, 21, 1460-1475.	1.6	44
15	Contribution of the two domains of <i>E. coli</i> 5'-nucleotidase to substrate specificity and catalysis. <i>FEBS Letters</i> , 2013, 587, 460-466.	1.3	13
16	Structural and molecular basis of ZNRF3/RNF43 transmembrane ubiquitin ligase inhibition by the Wnt agonist R-spondin. <i>Nature Communications</i> , 2013, 4, 2787.	5.8	161
17	New crystal forms of NTPDase1 from the bacterium <i>Legionella pneumophila</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 257-262.	0.7	13
18	Structural Insight into Activation Mechanism of <i>Toxoplasma gondii</i> Nucleoside Triphosphate Diphosphohydrolases by Disulfide Reduction*. <i>Journal of Biological Chemistry</i> , 2012, 287, 3051-3066.	1.6	21

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19	Crystal Structure of the Human Ecto-5â€™-Nucleotidase (CD73): Insights into the Regulation of Purinergic Signaling. <i>Structure</i> , 2012, 20, 2161-2173.	1.6	164
20	Crystallographic Evidence for a Domain Motion in Rat Nucleoside Triphosphate Diphosphohydrolase (NTPDase) 1. <i>Journal of Molecular Biology</i> , 2012, 415, 288-306.	2.0	73
21	Crystallization and preliminary X-ray analysis of the open form of human ecto-5â€™-nucleotidase (CD73). <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1545-1549.	0.7	6
22	Cellular function and molecular structure of ecto-nucleotidases. <i>Purinergic Signalling</i> , 2012, 8, 437-502.	1.1	850
23	The proâ€™form of BMPâ€™ interferes with BMPâ€™ signalling by competing with BMPâ€™ for IA receptor binding. <i>FEBS Journal</i> , 2009, 276, 6386-6398.	2.2	34
24	Structural insight into signal conversion and inactivation by NTPDase2 in purinergic signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6882-6887.	3.3	71
25	Characterization of Rat NTPDase1, -2, and -3 Ectodomains Refolded from Bacterial Inclusion Bodies. <i>Biochemistry</i> , 2007, 46, 11945-11956.	1.2	34