Maja KÃ¶hn

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Biosensorâ€Enabled Multiplexed Onâ€Site Therapeutic Drug Monitoring of Antibiotics. Advanced Materials, 2022, 34, e2104555.	11.1	29
2	Biosensorâ€Enabled Multiplexed Onâ€Site Therapeutic Drug Monitoring of Antibiotics (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	11.1	1
3	Short peptide pharmacophores developed from protein phosphatase-1 disrupting peptides (PDPs). Bioorganic and Medicinal Chemistry, 2022, 65, 116785.	1.4	3
4	PLDMS: Phosphopeptide Library Dephosphorylation Followed by Mass Spectrometry Analysis to Determine the Specificity of Phosphatases for Dephosphorylation Site Sequences. Methods in Molecular Biology, 2022, , 43-64.	0.4	1
5	Towards Dissecting the Mechanism of Protein Phosphataseâ€1 Inhibition by Its C â€Terminal Phosphorylation. ChemBioChem, 2021, 22, 834-838.	1.3	11
6	Protein tyrosine phosphatases in multiple myeloma. Cancer Letters, 2021, 501, 105-113.	3.2	11
7	Structural basis of Naa20 activity towards a canonical NatB substrate. Communications Biology, 2021, 4, 2.	2.0	6
8	The Leishmania donovani LDBPK_220120.1 Gene Encodes for an Atypical Dual Specificity Lipid-Like Phosphatase Expressed in Promastigotes and Amastigotes; Substrate Specificity, Intracellular Localizations, and Putative Role(s). Frontiers in Cellular and Infection Microbiology, 2021, 11, 591868.	1.8	0
9	Cross-TCR Antagonism Revealed by Optogenetically Tuning the Half-Life of the TCR Ligand Binding. International Journal of Molecular Sciences, 2021, 22, 4920.	1.8	5
10	The phosphatase PRL-3 affects intestinal homeostasis by altering the crypt cell composition. Journal of Molecular Medicine, 2021, 99, 1413-1426.	1.7	3
11	DTL-DephosSite: Deep Transfer Learning Based Approach to Predict Dephosphorylation Sites. Frontiers in Cell and Developmental Biology, 2021, 9, 662983.	1.8	12
12	Evolutionary crossroads of cell signaling: PP1 and PP2A substrate sites in intrinsically disordered regions. Biochemical Society Transactions, 2021, 49, 1065-1074.	1.6	8
13	Maintaining proteostasis under mechanical stress. EMBO Reports, 2021, 22, e52507.	2.0	28
14	Quantitative proteomics identifies PTP1B as modulator of B cell antigen receptor signaling. Life Science Alliance, 2021, 4, e202101084.	1.3	2
15	finDr: A web server for in silico D-peptide ligand identification. Synthetic and Systems Biotechnology, 2021, 6, 402-413.	1.8	5
16	Development of a Photoactivatable Protein Phosphatase-1-Disrupting Peptide. Journal of Organic Chemistry, 2020, 85, 1712-1717.	1.7	9
17	Noncanonical binding of Lck to CD3Îµ promotes TCR signaling and CAR function. Nature Immunology, 2020, 21, 902-913.	7.0	68
18	Dissecting the sequence determinants for dephosphorylation by the catalytic subunits of phosphatases PP1 and PP2A. Nature Communications, 2020, 11, 3583.	5.8	38

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19	Turn and Face the Strange: A New View on Phosphatases. ACS Central Science, 2020, 6, 467-477.	5.3	65
20	The receptor PTPRU is a redox sensitive pseudophosphatase. Nature Communications, 2020, 11, 3219.	5.8	21
21	Molecular mechanism of SHP2 activation by PD-1 stimulation. Science Advances, 2020, 6, eaay4458.	4.7	149
22	Structural and mechanistic insights into the interaction of the circadian transcription factor BMAL1 with the KIX domain of the CREB-binding protein. Journal of Biological Chemistry, 2019, 294, 16604-16619.	1.6	9
23	The cholesterol transfer protein GRAMD1A regulates autophagosome biogenesis. Nature Chemical Biology, 2019, 15, 710-720.	3.9	59
24	Protein kinase/phosphatase balance mediates the effects of increased late sodium current on ventricular calcium cycling. Basic Research in Cardiology, 2019, 114, 13.	2.5	22
25	The human DEPhOsphorylation Database DEPOD: 2019 update. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	42
26	Interrogating PP1 Activity in the MAPK Pathway with Optimized PP1â€Disrupting Peptides. ChemBioChem, 2019, 20, 66-71.	1.3	14
27	Microcystins: Synthesis and structureâ€“activity relationship studies toward PP1 and PP2A. Bioorganic and Medicinal Chemistry, 2018, 26, 1118-1126.	1.4	51
28	Effects of stably incorporated iron on protein phosphataseâ€1 structure and activity. FEBS Letters, 2018, 592, 4028-4038.	1.3	11
29	Activation of protein phosphatase 1 by a selective phosphatase disrupting peptide reduces sarcoplasmic reticulum Ca²⁺ leak in human heart failure. European Journal of Heart Failure, 2018, 20, 1673-1685.	2.9	30
30	MiklÃ³s Bodanszky Award Lecture: Advances in the selective targeting of protein phosphataseâ€1 and phosphataseâ€2A with peptides. Journal of Peptide Science, 2017, 23, 749-756.	0.8	8
31	Mouse Rif1 is a regulatory subunit of protein phosphatase 1 (PP1). Scientific Reports, 2017, 7, 2119.	1.6	41
32	Keep it on the edge: The post-mitotic midbody as a polarity signal unit. Communicative and Integrative Biology, 2017, 10, e1338990.	0.6	15
33	Mutational Analysis of a Conserved Glutamate Reveals Unique Mechanistic and Structural Features of the Phosphatase PRL-3. ACS Omega, 2017, 2, 9171-9180.	1.6	4
34	P5841PP1 activation as novel antiarrhythmic approach in human heart failure. European Heart Journal, 2017, 38, .	1.0	0
35	Regulatory mechanisms of phosphatase of regenerating liver (PRL)-3. Biochemical Society Transactions, 2016, 44, 1305-1312.	1.6	25
36	Synthesis of Highly Selective Submicromolar Microcystinâ€Based Inhibitors of Protein Phosphatase (PP)2A over PP1. Angewandte Chemie, 2016, 128, 14191-14195.	1.6	3

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37	Phosphatase of regenerating liver (PRL)-3 disrupts epithelial architecture by altering the post-mitotic midbody position. Journal of Cell Science, 2016, 129, 4130-4142.	1.2	33
38	Synthesis of Highly Selective Submicromolar Microcystinâ€Based Inhibitors of Protein Phosphatase (PP)2A over PP1. Angewandte Chemie - International Edition, 2016, 55, 13985-13989.	7.2	20
39	Approaches to Study Phosphatases. ACS Chemical Biology, 2016, 11, 2944-2961.	1.6	73
40	Rapid erasure of hippocampal memory following inhibition of dentate gyrus granule cells. Nature Communications, 2016, 7, 10923.	5.8	63
41	Prediction and verification of novel peptide targets of protein tyrosine phosphatase 1B. Bioorganic and Medicinal Chemistry, 2016, 24, 3255-3258.	1.4	4
42	Phosphatases: Their Roles in Cancer and Their Chemical Modulators. Advances in Experimental Medicine and Biology, 2016, 917, 209-240.	0.8	13
43	Procyanidins Negatively Affect the Activity of the Phosphatases of Regenerating Liver. PLoS ONE, 2015, 10, e0134336.	1.1	25
44	Phosphatases: Their Roles in Cancer and Their Chemical Modulators. , 2015, , 209-240.		0
45	Synthesis of hydrolysis-resistant pyridoxal 5â€²-phosphate analogs and their biochemical and X-ray crystallographic characterization with the pyridoxal phosphatase chronophin. Bioorganic and Medicinal Chemistry, 2015, 23, 2819-2827.	1.4	12
46	Chemistry and biology of protein and inositol phosphorylation. Bioorganic and Medicinal Chemistry, 2015, 23, 2747-2748.	1.4	1
47	The human DEPhOsphorylation database DEPOD: a 2015 update. Nucleic Acids Research, 2015, 43, D531-D535.	6.5	65
48	VHR / DUSP 3 phosphatase: structure, function and regulation. FEBS Journal, 2015, 282, 1871-1890.	2.2	35
49	Azideâ€“alkyne cycloaddition-mediated cyclization of phosphonopeptides and their evaluation as PTP1B binders and enrichment tools. Bioorganic and Medicinal Chemistry, 2015, 23, 2848-2853.	1.4	7
50	Biochemical evaluation of virtual screening methods reveals a cell-active inhibitor of the cancer-promoting phosphatases of regenerating liver. European Journal of Medicinal Chemistry, 2014, 88, 89-100.	2.6	51
51	Dual-Specificity Phosphatases as Molecular Targets for Inhibition in Human Disease. Antioxidants and Redox Signaling, 2014, 20, 2251-2273.	2.5	75
52	Unnatural Amino Acid Mutagenesis Reveals Dimerization As a Negative Regulatory Mechanism of VHRâ€™s Phosphatase Activity. ACS Chemical Biology, 2014, 9, 1451-1459.	1.6	12
53	Development of Accessible Peptidic Tool Compounds To Study the Phosphatase PTP1B in Intact Cells. ACS Chemical Biology, 2014, 9, 769-776.	1.6	22
54	Building Up a Chemical Proteomics Network in Europe and Beyond. ACS Chemical Biology, 2014, 9, 1647-1648.	1.6	0

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55	Molecular mechanisms of the PRL phosphatases. FEBS Journal, 2013, 280, 505-524.	2.2	109
56	Chemical Activators of Protein Phosphatase-1 Induce Calcium Release inside Intact Cells. Chemistry and Biology, 2013, 20, 1179-1186.	6.2	17
57	Targeting the untargetable: recent advances in the selective chemical modulation of protein phosphatase-1 activity. Current Opinion in Chemical Biology, 2013, 17, 361-368.	2.8	27
58	Challenges and Opportunities in the Development of Protein Phosphatase-Directed Therapeutics. ACS Chemical Biology, 2013, 8, 36-45.	1.6	94
59	Elucidating Human Phosphatase-Substrate Networks. Science Signaling, 2013, 6, rs10.	1.6	145
60	Development of a solid phase synthesis strategy for soluble phosphoinositide analogues. Chemical Science, 2012, 3, 1893.	3.7	10
61	Development of a Peptide that Selectively Activates Protein Phosphataseâ€1 in Living Cells. Angewandte Chemie - International Edition, 2012, 51, 10054-10059.	7.2	64
62	A Molecular TÃªteâ€Ãâ€TÃªte Arranged by a Designed Adaptor Protein. Angewandte Chemie - International Edition, 2012, 51, 8160-8162.	7.2	4
63	Chemical Biology Techniques Unlock the Secrets of Casein Kinase 2 Regulation by Phosphorylation and Glycosylation. ChemBioChem, 2012, 13, 1253-1255.	1.3	1
64	Omics and chemical biologyâ€"a powerful synergism. Current Opinion in Chemical Biology, 2012, 16, 204-205.	2.8	1
65	The Metastasis-Promoting Phosphatase PRL-3 Shows Activity toward Phosphoinositides. Biochemistry, 2011, 50, 7579-7590.	1.2	59
66	Efficient Scaled-Up Synthesis of N-Î±-Fmoc-4-Phosphono(difluoromethyl)-l-phenylalanine and Its Incorporation into Peptides. Synthesis, 2011, 2011, 3255-3260.	1.2	5
67	Preparation of Biomolecule Microstructures and Microarrays by Thiolâ€"ene Photoimmobilization. ChemBioChem, 2010, 11, 235-247.	1.3	50
68	Immobilization strategies for small molecule, peptide and protein microarrays. Journal of Peptide Science, 2009, 15, 393-397.	0.8	59
69	Structureâ€"Activity Analysis of Semisynthetic Nucleosomes: Mechanistic Insights into the Stimulation of Dot1L by Ubiquitylated Histone H2B. ACS Chemical Biology, 2009, 4, 958-968.	1.6	109
70	Photochemical Surface Patterning by the Thiolâ€Ene Reaction. Angewandte Chemie - International Edition, 2008, 47, 4421-4424.	7.2	179
71	Simultaneous Protein Tagging in Two Colors. Chemistry and Biology, 2008, 15, 91-92.	6.2	3
72	A Microarray Strategy for Mapping the Substrate Specificity of Protein Tyrosine Phosphatase. Angewandte Chemie - International Edition, 2007, 46, 7700-7703.	7.2	80

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73	A generic building block for C- and N-terminal protein-labeling and protein-immobilization. Bioorganic and Medicinal Chemistry, 2006, 14, 6288-6306.	1.4	32
74	Site-Selective Protein Immobilization by Staudinger Ligation. Angewandte Chemie - International Edition, 2006, 45, 1408-1412.	7.2	136
75	Diels-Alder Ligation and Surface Immobilization of Proteins. Angewandte Chemie - International Edition, 2006, 45, 296-301.	7.2	149
76	The Staudinger Ligationâ€"A Gift to Chemical Biology. Angewandte Chemie - International Edition, 2004, 43, 3106-3116.	7.2	532
77	Functional Evaluation of Carbohydrate-Centred Glycoclusters by Enzyme-Linked Lectin Assay: Ligands for Concanavalin A. ChemBioChem, 2004, 5, 771-777.	1.3	79
78	Azide-Alkyne Coupling: A Powerful Reaction for Bioconjugate Chemistry. ChemBioChem, 2003, 4, 1147-1149.	1.3	194
79	Staudinger Ligation: A New Immobilization Strategy for the Preparation of Small-Molecule Arrays. Angewandte Chemie - International Edition, 2003, 42, 5830-5834.	7.2	186