

# Maja Khn

## 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.

86  
papers

3,109  
citations

30  
h-index

55  
g-index

95  
ext. papers

3,588  
ext. citations

7.6  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
86	Biosensor-Enabled Multiplexed On-Site Therapeutic Drug Monitoring of Antibiotics (Adv. Mater. 2/2022). <i>Advanced Materials</i> , <b>2022</b> , 34, 2270012	24	
85	Short peptide pharmacophores developed from protein phosphatase-1 disrupting peptides (PDPs).. <i>Bioorganic and Medicinal Chemistry</i> , <b>2022</b> , 65, 116785	3.4	0
84	PLDMS: Phosphopeptide Library Dephosphorylation Followed by Mass Spectrometry Analysis to Determine the Specificity of Phosphatases for Dephosphorylation Site Sequences. <i>Methods in Molecular Biology</i> , <b>2022</b> , 43-64	1.4	0
83	The Gene Encodes for an Atypical Dual Specificity Lipid-Like Phosphatase Expressed in Promastigotes and Amastigotes; Substrate Specificity, Intracellular Localizations, and Putative Role(s). <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 591868	5.9	
82	Cross-TCR Antagonism Revealed by Optogenetically Tuning the Half-Life of the TCR Ligand Binding. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
81	The phosphatase PRL-3 affects intestinal homeostasis by altering the crypt cell composition. <i>Journal of Molecular Medicine</i> , <b>2021</b> , 99, 1413-1426	5.5	2
80	DTL-DephosSite: Deep Transfer Learning Based Approach to Predict Dephosphorylation Sites. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 662983	5.7	1
79	Evolutionary crossroads of cell signaling: PP1 and PP2A substrate sites in intrinsically disordered regions. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1065-1074	5.1	0
78	Towards Dissecting the Mechanism of Protein Phosphatase-1 Inhibition by Its C-Terminal Phosphorylation. <i>ChemBioChem</i> , <b>2021</b> , 22, 834-838	3.8	4
77	Protein tyrosine phosphatases in multiple myeloma. <i>Cancer Letters</i> , <b>2021</b> , 501, 105-113	9.9	2
76	Structural basis of Naa20 activity towards a canonical NatB substrate. <i>Communications Biology</i> , <b>2021</b> , 4, 2	6.7	1
75	Maintaining proteostasis under mechanical stress. <i>EMBO Reports</i> , <b>2021</b> , 22, e52507	6.5	6
74	Biosensor-Enabled Multiplexed On-Site Therapeutic Drug Monitoring of Antibiotics. <i>Advanced Materials</i> , <b>2021</b> , e2104555	24	5
73	finDr: A web server for D-peptide ligand identification.. <i>Synthetic and Systems Biotechnology</i> , <b>2021</b> , 6, 402-413	4.2	0
72	Turn and Face the Strange: A New View on Phosphatases. <i>ACS Central Science</i> , <b>2020</b> , 6, 467-477	16.8	29
71	The receptor PTPRU is a redox sensitive pseudophosphatase. <i>Nature Communications</i> , <b>2020</b> , 11, 3219	17.4	6
70	Molecular mechanism of SHP2 activation by PD-1 stimulation. <i>Science Advances</i> , <b>2020</b> , 6, eaay4458	14.3	66

69	Development of a Photoactivatable Protein Phosphatase-1-Disrupting Peptide. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 1712-1717	4.2	4
68	Noncanonical binding of Lck to CD3 $\zeta$ promotes TCR signaling and CAR function. <i>Nature Immunology</i> , <b>2020</b> , 21, 902-913	19.1	30
67	Dissecting the sequence determinants for dephosphorylation by the catalytic subunits of phosphatases PP1 and PP2A. <i>Nature Communications</i> , <b>2020</b> , 11, 3583	17.4	7
66	Structural and mechanistic insights into the interaction of the circadian transcription factor BMAL1 with the KIX domain of the CREB-binding protein. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 16604-16619	5.4	5
65	The cholesterol transfer protein GRAMD1A regulates autophagosome biogenesis. <i>Nature Chemical Biology</i> , <b>2019</b> , 15, 710-720	11.7	36
64	Protein kinase/phosphatase balance mediates the effects of increased late sodium current on ventricular calcium cycling. <i>Basic Research in Cardiology</i> , <b>2019</b> , 114, 13	11.8	19
63	The human DEPhOsphorylation Database DEPOD: 2019 update. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	19
62	Interrogating PP1 Activity in the MAPK Pathway with Optimized PP1-Disrupting Peptides. <i>ChemBioChem</i> , <b>2019</b> , 20, 66-71	3.8	8
61	Microcystins: Synthesis and structure-activity relationship studies toward PP1 and PP2A. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 1118-1126	3.4	33
60	Effects of stably incorporated iron on protein phosphatase-1 structure and activity. <i>FEBS Letters</i> , <b>2018</b> , 592, 4028-4038	3.8	6
59	Activation of protein phosphatase 1 by a selective phosphatase disrupting peptide reduces sarcoplasmic reticulum Ca leak in human heart failure. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 1673-1685	12.3	22
58	Mikl $\ddot{o}$ s Bodanszky Award Lecture: Advances in the selective targeting of protein phosphatase-1 and phosphatase-2A with peptides. <i>Journal of Peptide Science</i> , <b>2017</b> , 23, 749-756	2.1	7
57	Mouse Rif1 is a regulatory subunit of protein phosphatase 1 (PP1). <i>Scientific Reports</i> , <b>2017</b> , 7, 2119	4.9	28
56	Keep it on the edge: The post-mitotic midbody as a polarity signal unit. <i>Communicative and Integrative Biology</i> , <b>2017</b> , 10, e1338990	1.7	8
55	Mutational Analysis of a Conserved Glutamate Reveals Unique Mechanistic and Structural Features of the Phosphatase PRL-3. <i>ACS Omega</i> , <b>2017</b> , 2, 9171-9180	3.9	3
54	Rapid erasure of hippocampal memory following inhibition of dentate gyrus granule cells. <i>Nature Communications</i> , <b>2016</b> , 7, 10923	17.4	43
53	Prediction and verification of novel peptide targets of protein tyrosine phosphatase 1B. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 3255-8	3.4	2
52	Phosphatases: Their Roles in Cancer and Their Chemical Modulators. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 917, 209-40	3.6	9

51	Regulatory mechanisms of phosphatase of regenerating liver (PRL)-3. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 1305-1312	5.1	16
50	Synthesis of Highly Selective Submicromolar Microcystin-Based Inhibitors of Protein Phosphatase (PP)2A over PP1. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14191-14195	3.6	3
49	PRL-3 disrupts epithelial architecture by altering the post-mitotic midbody position. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 4130-4142	5.3	17
48	Synthesis of Highly Selective Submicromolar Microcystin-Based Inhibitors of Protein Phosphatase (PP)2A over PP1. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13985-13989	16.4	16
47	Approaches to Study Phosphatases. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2944-2961	4.9	52
46	Synthesis of hydrolysis-resistant pyridoxal 5-phosphate analogs and their biochemical and X-ray crystallographic characterization with the pyridoxal phosphatase chronophin. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 2819-27	3.4	8
45	The human DEPhosphorylation database DEPOD: a 2015 update. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, D5315-5.1	5.1	55
44	VHR/DUSP3 phosphatase: structure, function and regulation. <i>FEBS Journal</i> , <b>2015</b> , 282, 1871-90	5.7	23
43	Azide-alkyne cycloaddition-mediated cyclization of phosphonopeptides and their evaluation as PTP1B binders and enrichment tools. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 2848-53	3.4	5
42	Procyanidins Negatively Affect the Activity of the Phosphatases of Regenerating Liver. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134336	3.7	16
41	Phosphatases: Their Roles in Cancer and Their Chemical Modulators <b>2015</b> , 209-240		
40	Unnatural amino acid mutagenesis reveals dimerization as a negative regulatory mechanism of VHR phosphatase activity. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 1451-9	4.9	11
39	Development of accessible peptidic tool compounds to study the phosphatase PTP1B in intact cells. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 769-76	4.9	16
38	Strategies for Designing Specific Protein Tyrosine Phosphatase Inhibitors and Their Intracellular Activation <b>2014</b> , 37-50		
37	Design and Application of Chemical Probes for Protein Serine/Threonine Phosphatase Activation <b>2014</b> , 51-62		
36	Building up a chemical proteomics network in Europe and beyond. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 1647-84.9		
35	Biochemical evaluation of virtual screening methods reveals a cell-active inhibitor of the cancer-promoting phosphatases of regenerating liver. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 88, 89-100	6.8	35
34	Dual-specificity phosphatases as molecular targets for inhibition in human disease. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2251-73	8.4	54

33	Molecular mechanisms of the PRL phosphatases. <i>FEBS Journal</i> , <b>2013</b> , 280, 505-24	5.7	88
32	Chemical activators of protein phosphatase-1 induce calcium release inside intact cells. <i>Chemistry and Biology</i> , <b>2013</b> , 20, 1179-86		12
31	Targeting the untargetable: recent advances in the selective chemical modulation of protein phosphatase-1 activity. <i>Current Opinion in Chemical Biology</i> , <b>2013</b> , 17, 361-8	9.7	24
30	Challenges and opportunities in the development of protein phosphatase-directed therapeutics. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 36-45	4.9	79
29	Elucidating human phosphatase-substrate networks. <i>Science Signaling</i> , <b>2013</b> , 6, rs10	8.8	98
28	Development of a solid phase synthesis strategy for soluble phosphoinositide analogues. <i>Chemical Science</i> , <b>2012</b> , 3, 1893	9.4	8
27	Entwicklung eines Peptids zur selektiven Aktivierung von Proteinphosphatase-1 in lebenden Zellen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 10200-10206	3.6	5
26	Development of a peptide that selectively activates protein phosphatase-1 in living cells. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10054-9	16.4	49
25	Künstliche Adapterproteine zur Initiierung von Protein-Protein-Wechselwirkungen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8282-8284	3.6	0
24	A molecular tweezer arranged by a designed adaptor protein. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8160-2	16.4	0
23	Chemical biology techniques unlock the secrets of casein kinase 2 regulation by phosphorylation and glycosylation. <i>ChemBioChem</i> , <b>2012</b> , 13, 1253-5	3.8	1
22	The metastasis-promoting phosphatase PRL-3 shows activity toward phosphoinositides. <i>Biochemistry</i> , <b>2011</b> , 50, 7579-90	3.2	51
21	Efficient Scaled-Up Synthesis of N-Fmoc-4-Phosphono(difluoromethyl)-l-phenylalanine and Its Incorporation into Peptides. <i>Synthesis</i> , <b>2011</b> , 2011, 3255-3260	2.9	3
20	Preparation of biomolecule microstructures and microarrays by thiol-ene photoimmobilization. <i>ChemBioChem</i> , <b>2010</b> , 11, 235-47	3.8	45
19	Immobilization strategies for small molecule, peptide and protein microarrays. <i>Journal of Peptide Science</i> , <b>2009</b> , 15, 393-7	2.1	53
18	Structure-activity analysis of semisynthetic nucleosomes: mechanistic insights into the stimulation of Dot1L by ubiquitylated histone H2B. <i>ACS Chemical Biology</i> , <b>2009</b> , 4, 958-68	4.9	104
17	Photochemical surface patterning by the thiol-ene reaction. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4421-4	16.4	169
16	Photochemical Surface Patterning by the Thiol-Ene Reaction. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4493-4496	3.6	51

15	Simultaneous protein tagging in two colors. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 91-2		2
14	A microarray strategy for mapping the substrate specificity of protein tyrosine phosphatase. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7700-3	16.4	75
13	Eine Mikroarray-Strategie zur Untersuchung der Substratspezifitäten von Protein-Tyrosin-Phosphatasen. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 7844-7847	3.6	14
12	Site-selective protein immobilization by Staudinger ligation. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1408-12	16.4	129
11	Site-Selective Protein Immobilization by Staudinger Ligation. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 1436-1440	3.6	41
10	Diels-Alder Ligation and Surface Immobilization of Proteins. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 302-307	3.6	41
9	A generic building block for C- and N-terminal protein-labeling and protein-immobilization. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 6288-306	3.4	31
8	Diels-Alder ligation and surface immobilization of proteins. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 45, 296-301	16.4	143
7	Small Molecule Arrays <b>2004</b> , 485-500		1
6	The Staudinger ligation-a gift to chemical biology. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3106-16	16.4	478
5	Die Staudinger-Ligation Ein Geschenk für die Chemische Biologie. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 3168-3178	3.6	113
4	Functional evaluation of carbohydrate-centred glycoclusters by enzyme-linked lectin assay: ligands for concanavalin A. <i>ChemBioChem</i> , <b>2004</b> , 5, 771-7	3.8	77
3	Staudinger-Ligation: eine Immobilisierungsstrategie zur Herstellung von Wirkstoff-Arrays. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 6010-6014	3.6	38
2	Azide-alkyne coupling: a powerful reaction for bioconjugate chemistry. <i>ChemBioChem</i> , <b>2003</b> , 4, 1147-9	3.8	178
1	Staudinger ligation: a new immobilization strategy for the preparation of small-molecule arrays. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 5830-4	16.4	166