

# Assoc prof Joshua A Kritzer

## List of Publications by Citations

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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.

52  
papers

1,992  
citations

21  
h-index

44  
g-index

60  
ext. papers

2,263  
ext. citations

7.2  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
52	Helical beta-peptide inhibitors of the p53-hDM2 interaction. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9468-9	16.4	279
51	Getting in shape: controlling peptide bioactivity and bioavailability using conformational constraints. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 488-499	4.9	166
50	beta-Peptides as inhibitors of protein-protein interactions. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 11-6	3.4	155
49	Compounds from an unbiased chemical screen reverse both ER-to-Golgi trafficking defects and mitochondrial dysfunction in Parkinson's disease models. <i>DMM Disease Models and Mechanisms</i> , <b>2010</b> , 3, 194-208	4.1	147
48	Comprehensive analysis of loops at protein-protein interfaces for macrocycle design. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 716-22	11.7	129
47	Rapid selection of cyclic peptides that reduce alpha-synuclein toxicity in yeast and animal models. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 655-63	11.7	117
46	Diversity-Oriented Stapling Yields Intrinsically Cell-Penetrant Inducers of Autophagy. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7792-7802	16.4	92
45	Relationship between side chain structure and 14-helix stability of beta3-peptides in water. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 167-78	16.4	88
44	Emerging Methods and Design Principles for Cell-Penetrant Peptides. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11868-11881	16.4	78
43	Miniature protein inhibitors of the p53-hDM2 interaction. <i>ChemBioChem</i> , <b>2006</b> , 7, 29-31	3.8	76
42	Cell Penetration Profiling Using the Chloroalkane Penetration Assay. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11360-11369	16.4	75
41	Solution structure of a beta-peptide ligand for hDM2. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4118-9	16.4	75
40	A rapid library screen for tailoring beta-peptide structure and function. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14584-5	16.4	69
39	Analysis of Loops that Mediate Protein-Protein Interactions and Translation into Submicromolar Inhibitors. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12876-12884	16.4	34
38	Peptide bicycles that inhibit the Grb2 SH2 domain. <i>ChemBioChem</i> , <b>2012</b> , 13, 1490-6	3.8	32
37	Trapped! A Critical Evaluation of Methods for Measuring Total Cellular Uptake versus Cytosolic Localization. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 1006-1027	6.3	28
36	Conformational Restriction of Peptides Using Dithiol Bis-Alkylation. <i>Methods in Enzymology</i> , <b>2016</b> , 580, 303-32	1.7	28

35	Metal-binding and redox properties of substituted linear and cyclic ATCUN motifs. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 139, 65-76	4.2	27
34	A bicyclic peptide scaffold promotes phosphotyrosine mimicry and cellular uptake. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 6387-91	3.4	26
33	Macrocyclization of the ATCUN motif controls metal binding and catalysis. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 2729-35	5.1	25
32	Encodable activators of SRC family kinases. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16506-7	16.4	18
31	Quantitative measurement of cytosolic penetration using the chloroalkane penetration assay. <i>Methods in Enzymology</i> , <b>2020</b> , 641, 277-309	1.7	17
30	Designing Well-Structured Cyclic Pentapeptides Based on Sequence-Structure Relationships. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 3908-3919	3.4	16
29	Neue Methoden und Designprinzipien für zellgängige Peptide. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12042-12057	5.76	15
28	Structured cyclic peptides that bind the EH domain of EHD1. <i>Biochemistry</i> , <b>2014</b> , 53, 4758-60	3.2	14
27	A critical analysis of methods used to investigate the cellular uptake and subcellular localization of RNA therapeutics. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 7623-7639	20.1	13
26	Potential C-terminal-domain inhibitors of heat shock protein 90 derived from a C-terminal peptide helix. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 3989-93	3.4	13
25	Phosphotyrosine isosteres: past, present and future. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 583-605	9.5	11
24	Cellular Uptake and Cytosolic Delivery of a Cyclic Cystine Knot Scaffold. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1650-1661	4.9	9
23	The secret of MIM: a novel, MCL-1-specific small molecule. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 1082-3		8
22	β-Branched Amino Acids Stabilize Specific Conformations of Cyclic Hexapeptides. <i>Biophysical Journal</i> , <b>2019</b> , 116, 433-444	2.9	8
21	Directed evolution of cyclic peptides for inhibition of autophagy. <i>Chemical Science</i> , <b>2021</b> , 12, 3526-3543	9.4	8
20	A Reverse Science Fair that Connects High School Students with University Researchers. <i>Journal of Chemical Education</i> , <b>2017</b> , 94, 171-176	2.4	7
19	Grand challenge commentary: Beyond discovery: probes that see, grab and poke. <i>Nature Chemical Biology</i> , <b>2010</b> , 6, 868-70	11.7	7
18	Stapled peptides: How to be quick on the uptake. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 764-5	11.7	6

17	Small-Molecule Inhibitors of IgA1 Protease. <i>ACS Infectious Diseases</i> , <b>2019</b> , 5, 1129-1138	5.5	5
16	Cytosolic delivery of peptidic STAT3 SH2 domain inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115542	3.4	5
15	Versatile substrates and probes for IgA1 protease activity. <i>ChemBioChem</i> , <b>2013</b> , 14, 2007-12	3.8	5
14	Stapled Peptide Inhibitors of Autophagy Adapter LC3B. <i>ChemBioChem</i> , <b>2020</b> , 21, 2777-2785	3.8	4
13	Yeast can accommodate phosphotyrosine: v-Src toxicity in yeast arises from a single disrupted pathway. <i>FEMS Yeast Research</i> , <b>2018</b> , 18,	3.1	4
12	Solution structure of a designed cyclic peptide ligand for nickel and copper ions. <i>Tetrahedron</i> , <b>2014</b> , 70, 7651-7654	2.4	4
11	Designing convergent chemistry curricula. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 382-6	11.7	4
10	Identifying Loop-Mediated Protein-Protein Interactions Using LoopFinder. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1561, 255-277	1.4	3
9	Thioether-stapled macrocyclic inhibitors of the EH domain of EHD1. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 1206-1211	3.4	3
8	When undergraduates ask "why," chemical biology answers. <i>ACS Chemical Biology</i> , <b>2006</b> , 1, 411-3	4.9	2
7	A cell-penetrant lactam-stapled peptide for targeting eIF4E protein-protein interactions. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 205, 112655	6.8	2
6	HaloTag Forms an Intramolecular Disulfide. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 964-970	6.3	2
5	Stringing Together a Universal Influenza Antibody. <i>Biochemistry</i> , <b>2019</b> , 58, 1943-1944	3.2	1
4	Parallel Screening Using the Chloroalkane Penetration Assay Reveals Structure-Penetration Relationships. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 1184-1190	4.9	1
3	Stapled BHairpins Featuring 4-Mercaptoproline. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15039-15044	16.4	0
2	Inside Cover: Peptide Bicycles that Inhibit the Grb2 SH2 Domain (ChemBioChem 10/2012). <i>ChemBioChem</i> , <b>2012</b> , 13, 1378-1378	3.8	
1	Design and Characterization of an EHD1 Inhibitor. <i>FASEB Journal</i> , <b>2013</b> , 27, 1015.8	0.9	