

# Joshua J Ziarek

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,328  
citations

361413

20  
h-index

477307

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2080  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Ligands and Transducers on the Neurotensin Receptor 1 Conformational Ensemble. Journal of the American Chemical Society, 2022, 144, 10241-10250.	13.7	13
2	TRACT revisited: an algebraic solution for determining overall rotational correlation times from cross-correlated relaxation rates. Journal of Biomolecular NMR, 2021, 75, 293-302.	2.8	7
3	Molecular basis for the evolved instability of a human G-protein coupled receptor. Cell Reports, 2021, 37, 110046.	6.4	5
4	Bicelle size modulates the rate of bacteriorhodopsin folding. Protein Science, 2018, 27, 1109-1112.	7.6	3
5	<sup>15</sup> N detection harnesses the slow relaxation property of nitrogen: Delivering enhanced resolution for intrinsically disordered proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1710-E1719.	7.1	40
6	Recent developments in solution nuclear magnetic resonance (NMR)-based molecular biology. Journal of Molecular Medicine, 2018, 96, 1-8.	3.9	23
7	Biased antagonism of CXCR4 avoids antagonist tolerance. Science Signaling, 2018, 11, .	3.6	34
8	Structural basis for chemokine recognition by a G protein-coupled receptor and implications for receptor activation. Science Signaling, 2017, 10, .	3.6	74
9	Behavioural interseasonal adaptations in <i>Daphnia pulex</i> (Crustacea: Cladocera) as induced by predation infochemicals. Aquatic Ecology, 2016, 50, 667-684.	1.5	5
10	New paradigms in chemokine receptor signal transduction: Moving beyond the two-site model. Biochemical Pharmacology, 2016, 114, 53-68.	4.4	105
11	Chemokine Cooperativity Is Caused by Competitive Glycosaminoglycan Binding. Journal of Immunology, 2014, 192, 3908-3914.	0.8	31
12	Structural Analysis of a Novel Small Molecule Ligand Bound to the CXCL12 Chemokine. Journal of Medicinal Chemistry, 2014, 57, 9693-9699.	6.4	21
13	Examining weak protein-protein interactions in start codon recognition via NMR spectroscopy. FEBS Journal, 2014, 281, 1965-1973.	4.7	12
14	Discovery and Characterization of a Disulfide-Locked C <sub>2</sub> -Symmetric Defensin Peptide. Journal of the American Chemical Society, 2014, 136, 13494-13497.	13.7	50
15	Sulfopeptide Probes of the CXCR4/CXCL12 Interface Reveal Oligomer-Specific Contacts and Chemokine Allostery. ACS Chemical Biology, 2013, 8, 1955-1963.	3.4	51
16	Heparin Oligosaccharides Inhibit Chemokine (CXC Motif) Ligand 12 (CXCL12) Cardioprotection by Binding Orthogonal to the Dimerization Interface, Promoting Oligomerization, and Competing with the Chemokine (CXC Motif) Receptor 4 (CXCR4) N Terminus. Journal of Biological Chemistry, 2013, 288, 737-746.	3.4	72
17	Fragment-Based Optimization of Small Molecule CXCL12 Inhibitors for Antagonizing the CXCL12/CXCR4 Interaction. Current Topics in Medicinal Chemistry, 2013, 12, 2727-2740.	2.1	21
18	Structure-based ligand discovery for the protein-protein interface of chemokine receptor CXCR4. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5517-5522.	7.1	140

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19	A Locked, Dimeric CXCL12 Variant Effectively Inhibits Pulmonary Metastasis of CXCR4-Expressing Melanoma Cells Due to Enhanced Serum Stability. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 2516-2525.	4.1	50
20	Solution Structure of CCL21 and Identification of a Putative CCR7 Binding Site. <i>Biochemistry</i> , 2012, 51, 733-735.	2.5	39
21	NMR in the analysis of functional chemokine interactions and drug discovery. <i>Drug Discovery Today: Technologies</i> , 2012, 9, e293-e299.	4.0	4
22	Monomeric and dimeric CXCL12 inhibit metastasis through distinct CXCR4 interactions and signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17655-17660.	7.1	179
23	Binding Site Identification and Structure Determination of Protein-Ligand Complexes by NMR. <i>Methods in Enzymology</i> , 2011, 493, 241-275.	1.0	58
24	Seasonal adaptations of <i>Daphnia pulex</i> swimming behaviour: the effect of water temperature. <i>Hydrobiologia</i> , 2011, 661, 317-327.	2.0	27
25	The CXC Chemokine Receptor 4 Ligands Ubiquitin and Stromal Cell-derived Factor-1 $\alpha$ Function through Distinct Receptor Interactions. <i>Journal of Biological Chemistry</i> , 2011, 286, 33466-33477.	3.4	83
26	Sulfotyrosine Recognition as Marker for Druggable Sites in the Extracellular Space. <i>International Journal of Molecular Sciences</i> , 2011, 12, 3740-3756.	4.1	17
27	Targeting SDF-1/CXCL12 with a Ligand That Prevents Activation of CXCR4 through Structure-Based Drug Design. <i>Journal of the American Chemical Society</i> , 2010, 132, 7242-7243.	13.7	68
28	Monomeric structure of the cardioprotective chemokine SDF-1/CXCL12. <i>Protein Science</i> , 2009, 18, 1359-1369.	7.6	74
29	Visibility as a factor in the copepod-planktivorous fish relationship. <i>Scientia Marina</i> , 2005, 69, 111-124.	0.6	21