# Joshua J Ziarek

List of Publications by Year
in descending order



| 29 | 1,328 | 361413 | 477307 |
|---|---|---|---|
| papers | citations | 20 h-index | 29 g-index |

| 33 | 33 | 33 | 2080 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Monomeric and dimeric CXCL12 inhibit metastasis through distinct CXCR4 interactions and signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17655-17660. | 7.1 | 179 |
| 2 | Structure-based ligand discovery for the proteinâ€“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 |
| 3 | New paradigms in chemokine receptor signal transduction: Moving beyond the two-site model. Biochemical Pharmacology, 2016, 114, 53-68. | 4.4 | 105 |
| 4 | The CXC Chemokine Receptor 4 Ligands Ubiquitin and Stromal Cell-derived Factor-1Î± Function through Distinct Receptor Interactions. Journal of Biological Chemistry, 2011, 286, 33466-33477. | 3.4 | 83 |
| 5 | Monomeric structure of the cardioprotective chemokine SDFâ€1/CXCL12. Protein Science, 2009, 18, 1359-1369. | 7.6 | 74 |
| 6 | Structural basis for chemokine recognition by a G proteinâ€“coupled receptor and implications for receptor activation. Science Signaling, 2017, 10, . | 3.6 | 74 |
| 7 | 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 |
| 8 | Targeting SDF-1/CXCL12 with a Ligand That Prevents Activation of CXCR4 through Structure-Based Drug Design. Journal of the American Chemical Society, 2010, 132, 7242-7243. | 13.7 | 68 |
| 9 | Binding Site Identification and Structure Determination of Proteinâ€“Ligand Complexes by NMR. Methods in Enzymology, 2011, 493, 241-275. | 1.0 | 58 |
| 10 | Sulfopeptide Probes of the CXCR4/CXCL12 Interface Reveal Oligomer-Specific Contacts and Chemokine Allostery. ACS Chemical Biology, 2013, 8, 1955-1963. | 3.4 | 51 |
| 11 | A Locked, Dimeric CXCL12 Variant Effectively Inhibits Pulmonary Metastasis of CXCR4-Expressing Melanoma Cells Due to Enhanced Serum Stability. Molecular Cancer Therapeutics, 2012, 11, 2516-2525. | 4.1 | 50 |
| 12 | 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 |
| 13 | <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 |
| 14 | Solution Structure of CCL21 and Identification of a Putative CCR7 Binding Site. Biochemistry, 2012, 51, 733-735. | 2.5 | 39 |
| 15 | Biased antagonism of CXCR4 avoids antagonist tolerance. Science Signaling, 2018, 11, . | 3.6 | 34 |
| 16 | Chemokine Cooperativity Is Caused by Competitive Glycosaminoglycan Binding. Journal of Immunology, 2014, 192, 3908-3914. | 0.8 | 31 |
| 17 | Seasonal adaptations of Daphnia pulicaria swimming behaviour: the effect of water temperature. Hydrobiologia, 2011, 661, 317-327. | 2.0 | 27 |
| 18 | Recent developments in solution nuclear magnetic resonance (NMR)-based molecular biology. Journal of Molecular Medicine, 2018, 96, 1-8. | 3.9 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Structural Analysis of a Novel Small Molecule Ligand Bound to the CXCL12 Chemokine. Journal of Medicinal Chemistry, 2014, 57, 9693-9699. | 6.4 | 21 |
| 20 | 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 |
| 21 | Visibility as a factor in the copepod-planktivorous fish relationship. Scientia Marina, 2005, 69, 111-124. | 0.6 | 21 |
| 22 | Sulfotyrosine Recognition as Marker for Druggable Sites in the Extracellular Space. International Journal of Molecular Sciences, 2011, 12, 3740-3756. | 4.1 | 17 |
| 23 | 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 |
| 24 | Examining weak proteinâ€“protein interactions in start codon recognition via <scp>NMR</scp> spectroscopy. FEBS Journal, 2014, 281, 1965-1973. | 4.7 | 12 |
| 25 | 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 |
| 26 | Behavioural interseasonal adaptations in Daphnia pulicaria (Crustacea: Cladocera) as induced by predation infochemicals. Aquatic Ecology, 2016, 50, 667-684. | 1.5 | 5 |
| 27 | Molecular basis for the evolved instability of a human G-protein coupled receptor. Cell Reports, 2021, 37, 110046. | 6.4 | 5 |
| 28 | NMR in the analysis of functional chemokine interactions and drug discovery. Drug Discovery Today: Technologies, 2012, 9, e293-e299. | 4.0 | 4 |
| 29 | Bicelle size modulates the rate of bacteriorhodopsin folding. Protein Science, 2018, 27, 1109-1112. | 7.6 | 3 |