Shaun K Olsen

List of Publications by Year
in descending order

33 papers	4,643 citations	218677 26 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	5929 citing authors

#	Article	IF	Citations
1	Receptor Specificity of the Fibroblast Growth Factor Family. Journal of Biological Chemistry, 2006, 281, 15694-15700.	3.4	986
2	Structural basis for fibroblast growth factor receptor activation. Cytokine and Growth Factor Reviews, 2005, 16, 107-137.	7.2	625
3	Molecular Insights into the Klotho-Dependent, Endocrine Mode of Action of Fibroblast Growth Factor 19 Subfamily Members. Molecular and Cellular Biology, 2007, 27, 3417-3428.	2.3	457
4	Activity profiling and crystal structures of inhibitor-bound SARS-CoV-2 papain-like protease: A framework for antiâ€“COVID-19 drug design. Science Advances, 2020, 6, .	10.3	344
5	Digenic mutations account for variable phenotypes in idiopathic hypogonadotropic hypogonadism. Journal of Clinical Investigation, 2007, 117, 457-463.	8.2	338
6	Fibroblast Growth Factor (FGF) Homologous Factors Share Structural but Not Functional Homology with FGFs. Journal of Biological Chemistry, 2003, 278, 34226-34236.	3.4	221
7	Active site remodelling accompanies thioester bond formation in the SUMO E1. Nature, 2010, 463, 906-912.	27.8	172
8	Structural basis by which alternative splicing modulates the organizer activity of FGF8 in the brain. Genes and Development, 2006, 20, 185-198.	5.9	171
9	Insights into the molecular basis for fibroblast growth factor receptor autoinhibition and ligand-binding promiscuity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 935-940.	7.1	168
10	A protein canyon in the FGFâ€“FGF receptor dimer selects from an Ã la carte menu of heparan sulfate motifs. Current Opinion in Structural Biology, 2005, 15, 506-516.	5.7	132
11	Structure of a Ubiquitin E1-E2 Complex: Insights to E1-E2 Thioester Transfer. Molecular Cell, 2013, 49, 884-896.	9.7	128
12	Crystal Structure of the Interleukin-15Â·Interleukin-15 Receptor Î± Complex. Journal of Biological Chemistry, 2007, 282, 37191-37204.	3.4	89
13	Designed Semisynthetic Protein Inhibitors of Ub/Ubl E1 Activating Enzymes. Journal of the American Chemical Society, 2010, 132, 1748-1749.	13.7	73
14	TGFÎ² promotes breast cancer stem cell self-renewal through an ILEI/LIFR signaling axis. Oncogene, 2019, 38, 3794-3811.	5.9	65
15	Analysis of Mutations in Fibroblast Growth Factor (FGF) and a Pathogenic Mutation in FGF Receptor (FGFR) Provides Direct Evidence for the Symmetric Two-End Model for FGFR Dimerization. Molecular and Cellular Biology, 2005, 25, 671-684.	2.3	58
16	Development of a BCL-xL and BCL-2 dual degrader with improved anti-leukemic activity,. Nature Communications, 2021, 12, 6896.	12.8	56
17	Targeting SARS-CoV-2 Proteases for COVID-19 Antiviral Development. Frontiers in Chemistry, 2021, 9, 819165.	3.6	51
18	Molecular mechanism of a covalent allosteric inhibitor of SUMO E1 activating enzyme. Nature Communications, 2018, 9, 5145.	12.8	46

#	Article	IF	Citations
19	Crystal structure of a human ubiquitin E1â€“ubiquitin complex reveals conserved functional elements essential for activity. Journal of Biological Chemistry, 2018, 293, 18337-18352.	3.4	45
20	Structural basis for adenylation and thioester bond formation in the ubiquitin E1. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15475-15484.	7.1	45
21	Homodimerization Controls the Fibroblast Growth Factor 9 Subfamily's Receptor Binding and Heparan Sulfate-Dependent Diffusion in the Extracellular Matrix. Molecular and Cellular Biology, 2009, 29, 4663-4678.	2.3	44
22	Structural insights into the mechanism and E2 specificity of the RBR E3 ubiquitin ligase HHARI. Nature Communications, 2017, 8, 211.	12.8	42
23	S.Âpombe Uba1-Ubc15 Structure Reveals a Novel Regulatory Mechanism of Ubiquitin E2 Activity. Molecular Cell, 2017, 65, 699-714.e6.	9.7	40
24	Structural insights into E1 recognition and the ubiquitin-conjugating activity of the E2 enzyme Cdc34. Nature Communications, 2019, 10, 3296.	12.8	39
25	PRMT5-mediated arginine methylation activates AKT kinase to govern tumorigenesis. Nature Communications, 2021, 12, 3444.	12.8	39
26	Plasticity in Interactions of Fibroblast Growth Factor 1 (FGF1) N Terminus with FGF Receptors Underlies Promiscuity of FGF1. Journal of Biological Chemistry, 2012, 287, 3067-3078.	3.4	37
27	A molecular sensor determines the ubiquitin substrate specificity of SARS-CoV-2 papain-like protease. Cell Reports, 2021, 36, 109754.	6.4	30
28	No Requirement of Trans Presentations of IL-15 for Human CD8 T Cell Proliferation. Journal of Immunology, 2010, 185, 6041-6048.	0.8	25
29	Domain alternation and active site remodeling are conserved structural features of ubiquitin E1. Journal of Biological Chemistry, 2017, 292, 12089-12099.	3.4	22
30	Crystal Structure of the Nephila clavipes Major Ampullate Spidroin 1A N-terminal Domain Reveals Plasticity at the Dimer Interface. Journal of Biological Chemistry, 2016, 291, 19006-19017.	3.4	16
31	Crystal structures of an E1â€“E2â€“ubiquitin thioester mimetic reveal molecular mechanisms of transthioesterification. Nature Communications, 2021, 12, 2370.	12.8	14
32	UFM1-Activating Enzyme 5 (Uba5) Requires an Extension to Get the Job Done Right. Journal of Molecular Biology, 2019, 431, 479-482.	4.2	1
33	Crystal Structures of an E1â€E2â€ubiquitin Thioester Mimetic Reveal Molecular Mechanisms of Transthioesterification. FASEB Journal, 2022, 36, .	0.5	0