Tina Izard

List of Publications by Year
in descending order

64 papers	4,765 citations	147726 31 h-index	114418 63 g-index
68 all docs	68 docs citations	68 times ranked	7911 citing authors

#	Article	IF	Citations
1	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-GÎ²5 signaling complex. Science, 2022, 375, 86-91.	6.0	24
2	The Cryogenic Electron Microscopy Structure of the Cell Adhesion Regulator Metavinculin Reveals an Isoform-Specific Kinked Helix in Its Cytoskeleton Binding Domain. International Journal of Molecular Sciences, 2021, 22, 645.	1.8	2
3	Chemical systems biology reveals mechanisms of glucocorticoid receptor signaling. Nature Chemical Biology, 2021, 17, 307-316.	3.9	11
4	Dual-mechanism estrogen receptor inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
5	Design of Novel Phosphopantetheine Adenylyltransferase Inhibitors: A Potential New Approach to Tackle Mycobacterium tuberculosis. Current Topics in Medicinal Chemistry, 2021, 21, 1186-1197.	1.0	4
6	Conformational flexibility determines the Nf2/merlin tumor suppressor functions. Matrix Biology Plus, 2021, 12, 100074.	1.9	10
7	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-GÎ²5 signaling complex. Science, 2021, , eabl4732.	6.0	2
8	SARS-CoV-2 spike-protein D614G mutation increases virion spike density and infectivity. Nature Communications, 2020, 11, 6013.	5.8	828
9	Roles of Membrane Domains in Integrin-Mediated Cell Adhesion. International Journal of Molecular Sciences, 2020, 21, 5531.	1.8	31
10	A distinct talin2 structure directs isoform specificity in cell adhesion. Journal of Biological Chemistry, 2020, 295, 12885-12899.	1.6	10
11	Cell adhesion in cancer: Beyond the migration of single cells. Journal of Biological Chemistry, 2020, 295, 2495-2505.	1.6	346
12	Shigella IpaA Binding to Talin Stimulates Filopodial Capture and Cell Adhesion. Cell Reports, 2019, 26, 921-932.e6.	2.9	17
13	Lipid binding promotes the open conformation and tumor-suppressive activity of neurofibromin 2. Nature Communications, 2018, 9, 1338.	5.8	42
14	Structural organization of a major neuronal G protein regulator, the RGS7-GÎ²5-R7BP complex. ELife, 2018, 7, .	2.8	18
15	The interaction of talin with the cell membrane is essential for integrin activation and focal adhesion formation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10339-10344.	3.3	75
16	Structural and Molecular Mechanisms of Cytokine-Mediated Endocrine Resistance in Human Breast Cancer Cells. Molecular Cell, 2017, 65, 1122-1135.e5.	4.5	99
17	Systems Structural Biology Analysis of Ligand Effects on ERÎ± Predicts Cellular Response to Environmental Estrogens and Anti-hormone Therapies. Cell Chemical Biology, 2017, 24, 35-45.	2.5	34
18	The Xenobiotic Transporter Mdr1 Enforces T Cell Homeostasis in the Presence of Intestinal Bile Acids. Immunity, 2017, 47, 1182-1196.e10.	6.6	73

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19	Differential lipid binding of vinculin isoforms promotes quasi-equivalent dimerization. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9539-9544.	3.3	18
20	Mechanisms and Functions of Vinculin Interactions with Phospholipids at Cell Adhesion Sites. Journal of Biological Chemistry, 2016, 291, 2548-2555.	1.6	48
21	Lipid-Directed Vinculin Dimerization. Biochemistry, 2015, 54, 2758-2768.	1.2	15
22	Vinculin-cell membrane interactions. Oncotarget, 2015, 6, 34043-34044.	0.8	7
23	Lipid binding promotes oligomerization and focal adhesion activity of vinculin. Journal of Cell Biology, 2014, 207, 643-656.	2.3	50
24	Crystal structure of the <i>N</i>â€terminal domains of the surface cell antigen 4 of <i>Rickettsia</i>. Protein Science, 2013, 22, 1425-1431.	3.1	5
25	Dimer asymmetry defines Î±-catenin interactions. Nature Structural and Molecular Biology, 2013, 20, 188-193.	3.6	100
26	Biochemical and functional analyses of gp130 mutants unveil JAK1 as a novel therapeutic target in human inflammatory hepatocellular adenoma. OncoImmunology, 2013, 2, e27090.	2.1	39
27	The Cytoskeletal Protein Î±-Catenin Unfurls upon Binding to Vinculin. Journal of Biological Chemistry, 2012, 287, 18492-18499.	1.6	84
28	The Metavinculin Tail Domain Directs Constitutive Interactions with Raver1 and vinculin RNA. Journal of Molecular Biology, 2012, 422, 697-704.	2.0	7
29	Crystal structure of vinculin in complex with vinculin binding site 50 (VBS50), the integrin binding site 2 (IBS2) of talin. Protein Science, 2012, 21, 583-588.	3.1	11
30	Apo raver1 structure reveals distinct RRM domain orientations. Protein Science, 2011, 20, 1464-1470.	3.1	3
31	Unfurling of the band 4.1, ezrin, radixin, moesin (FERM) domain of the merlin tumor suppressor. Protein Science, 2011, 20, 2113-2120.	3.1	27
32	Novel Vinculin Binding Site of the IpaA Invasin of Shigella. Journal of Biological Chemistry, 2011, 286, 23214-23221.	1.6	37
33	The Rickettsia Surface Cell Antigen 4 Applies Mimicry to Bind to and Activate Vinculin. Journal of Biological Chemistry, 2011, 286, 35096-35103.	1.6	44
34	Somatic mutations activating STAT3 in human inflammatory hepatocellular adenomas. Journal of Experimental Medicine, 2011, 208, 1359-1366.	4.2	218
35	A Helix Replacement Mechanism Directs Metavinculin Functions. PLoS ONE, 2010, 5, e10679.	1.1	30
36	Nucleosome Interaction Surface of Linker Histone H1c Is Distinct from That of H10. Journal of Biological Chemistry, 2010, 285, 20891-20896.	1.6	30

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37	Mechanism of Aldolase Control of Sorting Nexin 9 Function in Endocytosis. Journal of Biological Chemistry, 2010, 285, 11983-11990.	1.6	32
38	Raver1 Interactions with Vinculin and RNA Suggest a Feed-Forward Pathway in Directing mRNA to Focal Adhesions. Structure, 2009, 17, 833-842.	1.6	40
39	Frequent in-frame somatic deletions activate gp130 in inflammatory hepatocellular tumours. Nature, 2009, 457, 200-204.	13.7	437
40	A Hydrophobic Pocket in the Active Site of Glycolytic Aldolase Mediates Interactions with Wiskott-Aldrich Syndrome Protein. Journal of Biological Chemistry, 2007, 282, 14309-14315.	1.6	26
41	Capping of actin filaments by vinculin activated by theShigellaIpaA carboxyl-terminal domain. FEBS Letters, 2007, 581, 853-857.	1.3	45
42	Vinculin binding in its closed conformation by a helix addition mechanism. EMBO Journal, 2007, 26, 4588-4596.	3.5	50
43	Mapping the interaction surface of linker histone H10 with the nucleosome of native chromatin in vivo. Nature Structural and Molecular Biology, 2006, 13, 250-255.	3.6	172
44	Shigella applies molecular mimicry to subvert vinculin and invade host cells. Journal of Cell Biology, 2006, 175, 465-475.	2.3	78
45	The Vinculin Binding Sites of Talin and Î±-Actinin Are Sufficient to Activate Vinculin. Journal of Biological Chemistry, 2006, 281, 7228-7236.	1.6	118
46	Structural Dynamics of Î±-Actinin-Vinculin Interactions. Molecular and Cellular Biology, 2005, 25, 6112-6122.	1.1	83
47	Induced Fit Movements and Metal Cofactor Selectivity of Class II Aldolases. Journal of Biological Chemistry, 2004, 279, 11825-11833.	1.6	34
48	Structural Basis for Amplifying Vinculin Activation by Talin. Journal of Biological Chemistry, 2004, 279, 27667-27678.	1.6	88
49	Vinculin activation by talin through helical bundle conversion. Nature, 2004, 427, 171-175.	13.7	219
50	Crystal Structure of Human Vinculin. Structure, 2004, 12, 1189-1197.	1.6	146
51	Rhombohedral crystals ofMycobacterium tuberculosisphosphopantetheine adenylyltransferase. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 195-196.	2.5	6
52	Rhombohedral crystals of the human vinculin head domain in complex with a vinculin-binding site of talin. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 945-947.	2.5	1
53	Substrate-induced asymmetry and channel closure revealed by the apoenzyme structure ofMycobacterium tuberculosisphosphopantetheine adenylyltransferase. Protein Science, 2004, 13, 2547-2552.	3.1	29
54	A Novel Adenylate Binding Site Confers Phosphopantetheine Adenylyltransferase Interactions with Coenzyme A. Journal of Bacteriology, 2003, 185, 4074-4080.	1.0	45

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55	The crystal structures of phosphopantetheine adenylyltransferase with bound substrates reveal the enzymeâ€™s catalytic mechanism 1 1Edited by K. Nagai. Journal of Molecular Biology, 2002, 315, 487-495.	2.0	74
56	Crystallization of HLA-DR4 fused to an immunodominant collagen II peptide implicated in rheumatoid arthritis. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1749-1751.	2.5	1
57	Structural basis for chloramphenicol tolerance in <i>Streptomyces venezuelae</i> by chloramphenicol phosphotransferase activity. Protein Science, 2001, 10, 1508-1513.	3.1	16
58	Crystal structures of the metal-dependent 2-dehydro-3-deoxy-galactarate aldolase suggest a novel reaction mechanism. EMBO Journal, 2000, 19, 3849-3856.	3.5	48
59	Cubic crystals of chloramphenicol phosphotransferase fromStreptomyces venezuelaein complex with chloramphenicol. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1086-1088.	2.5	5
60	Cubic crystals of phosphopantetheine adenylyltransferase from Escherichia coli. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1226-1228.	2.5	8
61	Rhombohedral crystals of 2-dehydro-3-deoxygalactarate aldolase from Escherichia coli. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 1368-1369.	2.5	4
62	Improvement of diffraction quality upon rehydration of dehydrated icosahedral enterococcus faecalis pyruvate dehydrogenase core crystals. Protein Science, 1997, 6, 913-915.	3.1	9
63	The three-dimensional structure of N -acetylneuraminate lyase from Escherichia coli. Structure, 1994, 2, 361-369.	1.6	123
64	Trigonal crystals of porcine mitochondrial aspartate aminotransferase. Journal of Molecular Biology, 1990, 215, 341-344.	2.0	8