

Toby James Gibson

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

17,530
citations

159358

30
h-index

243296

44
g-index

46
all docs

46
docs citations

46
times ranked

33397
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast, scalable generation of high-quality protein multiple sequence alignments using Clustal Omega. <i>Molecular Systems Biology</i> , 2011, 7, 539.	3.2	12,778
2	A Million Peptide Motifs for the Molecular Biologist. <i>Molecular Cell</i> , 2014, 55, 161-169.	4.5	429
3	Short Linear Motifs: Ubiquitous and Functionally Diverse Protein Interaction Modules Directing Cell Regulation. <i>Chemical Reviews</i> , 2014, 114, 6733-6778.	23.0	389
4	How viruses hijack cell regulation. <i>Trends in Biochemical Sciences</i> , 2011, 36, 159-169.	3.7	339
5	ELM 2016 data update and new functionality of the eukaryotic linear motif resource. <i>Nucleic Acids Research</i> , 2016, 44, D294-D300.	6.5	289
6	Base sequence discrimination by zinc-finger DNA-binding domains. <i>Nature</i> , 1991, 349, 175-178.	13.7	278
7	An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. <i>Nature Communications</i> , 2016, 7, 11491.	5.8	207
8	The SAND domain structure defines a novel DNA-binding fold in transcriptional regulation. <i>Nature Structural Biology</i> , 2001, 8, 626-633.	9.7	204
9	The transience of transient overexpression. <i>Nature Methods</i> , 2013, 10, 715-721.	9.0	203
10	ELM the eukaryotic linear motif resource in 2020. <i>Nucleic Acids Research</i> , 2020, 48, D296-D306.	6.5	195
11	The KH domain occurs in a diverse set of RNA-binding proteins that include the antiterminator NusA and is probably involved in binding to nucleic acid. <i>FEBS Letters</i> , 1993, 324, 361-366.	1.3	189
12	The eukaryotic linear motif resource – 2018 update. <i>Nucleic Acids Research</i> , 2018, 46, D428-D434.	6.5	183
13	The ABBA Motif Binds APC/C Activators and Is Shared by APC/C Substrates and Regulators. <i>Developmental Cell</i> , 2015, 32, 358-372.	3.1	172
14	Cell regulation: determined to signal discrete cooperation. <i>Trends in Biochemical Sciences</i> , 2009, 34, 471-482.	3.7	162
15	The Eukaryotic Linear Motif resource: 2022 release. <i>Nucleic Acids Research</i> , 2022, 50, D497-D508.	6.5	144
16	Motif switches: decision-making in cell regulation. <i>Current Opinion in Structural Biology</i> , 2012, 22, 378-385.	2.6	133
17	CiliaCarta: An integrated and validated compendium of ciliary genes. <i>PLoS ONE</i> , 2019, 14, e0216705.	1.1	104
18	The switches.ELM Resource: A Compendium of Conditional Regulatory Interaction Interfaces. <i>Science Signaling</i> , 2013, 6, rs7.	1.6	101

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19	Degrans in cancer. <i>Science Signaling</i> , 2017, 10, .	1.6	100
20	PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. <i>Nucleic Acids Research</i> , 2021, 49, D404-D411.	6.5	95
21	DNA-binding domain ancestry. <i>Nature</i> , 1989, 342, 134-134.	13.7	85
22	Proteome-wide analysis of human disease mutations in short linear motifs: neglected players in cancer?. <i>Molecular BioSystems</i> , 2014, 10, 2626-2642.	2.9	80
23	CTCF-Mediated Chromatin Loops between Promoter and Gene Body Regulate Alternative Splicing across Individuals. <i>Cell Systems</i> , 2017, 5, 628-637.e6.	2.9	80
24	Linear motifs confer functional diversity onto splice variants. <i>Nucleic Acids Research</i> , 2012, 40, 7123-7131.	6.5	65
25	Short linear motif candidates in the cell entry system used by SARS-CoV-2 and their potential therapeutic implications. <i>Science Signaling</i> , 2021, 14, .	1.6	61
26	Dimerization and Protein Binding Specificity of the U2AF Homology Motif of the Splicing Factor Puf60. <i>Journal of Biological Chemistry</i> , 2009, 284, 630-639.	1.6	59
27	Experimental detection of short regulatory motifs in eukaryotic proteins: tips for good practice as well as for bad. <i>Cell Communication and Signaling</i> , 2015, 13, 42.	2.7	58
28	Asymmetric mRNA localization contributes to fidelity and sensitivity of spatially localized systems. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 833-839.	3.6	57
29	Metabolic complexity in the RNA world and implications for the origin of protein synthesis. <i>Journal of Molecular Evolution</i> , 1990, 30, 7-15.	0.8	53
30	RACK1 research “ ships passing in the night?. <i>FEBS Letters</i> , 2012, 586, 2787-2789.	1.3	40
31	Short linear motif core and flanking regions modulate retinoblastoma protein binding affinity and specificity. <i>Protein Engineering, Design and Selection</i> , 2018, 31, 69-77.	1.0	33
32	Mimicry of Short Linear Motifs by Bacterial Pathogens: A Drugging Opportunity. <i>Trends in Biochemical Sciences</i> , 2020, 45, 526-544.	3.7	33
33	Gene2EST: a BLAST2 server for searching expressed sequence tag (EST) databases with eukaryotic gene-sized queries. <i>Nucleic Acids Research</i> , 2001, 29, 1272-1277.	6.5	30
34	Exploring Short Linear Motifs Using the ELM Database and Tools. <i>Current Protocols in Bioinformatics</i> , 2017, 58, 8.22.1-8.22.35.	25.8	23
35	NINL and DZANK1 Co-function in Vesicle Transport and Are Essential for Photoreceptor Development in Zebrafish. <i>PLoS Genetics</i> , 2015, 11, e1005574.	1.5	23
36	Intermolecular base stacking mediates RNA-RNA interaction in a crystal structure of the RNA chaperone Hfq. <i>Scientific Reports</i> , 2017, 7, 9903.	1.6	14

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37	An intrinsically disordered proteins community for ELIXIR. F1000Research, 2019, 8, 1753.	0.8	12
38	Divergent Evolution of a Proteinâ€™Protein Interaction Revealed through Ancestral Sequence Reconstruction and Resurrection. Molecular Biology and Evolution, 2021, 38, 152-167.	3.5	8
39	The Gene Ontology of eukaryotic cilia and flagella. Cilia, 2017, 6, 10.	1.8	6
40	Non-muscle and smooth muscle myosin light chain kinases: no end in sight. DNA Sequence, 1993, 3, 333-335.	0.7	5
41	Control of mitotic chromosome condensation by the fission yeast transcription factor Zas1. Journal of Cell Biology, 2018, 217, 2383-2401.	2.3	3
42	How to Annotate and Submit a Short Linear Motif to the Eukaryotic Linear Motif Resource. Methods in Molecular Biology, 2020, 2141, 73-102.	0.4	3
43	PCARE requires coiled coil, RP62 kinase-binding and EVH1 domain-binding motifs for ciliary expansion. Human Molecular Genetics, 2022, 31, 2560-2570.	1.4	3
44	Hunting for Cis-Regulatory Elements in Proteins. Cell Systems, 2016, 2, 68-70.	2.9	1
45	Multiple Sequence Alignment Using ClustalW and ClustalX. , 2003, 00, 2.3.1.		1