Toby James Gibson

List of Publications by Year
in descending order

45 papers	17,530 citations	159585 30 h-index	243625 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. Molecular Systems Biology, 2011, 7, 539.	7.2	12,778
2	A Million Peptide Motifs for the Molecular Biologist. Molecular Cell, 2014, 55, 161-169.	9.7	429
3	Short Linear Motifs: Ubiquitous and Functionally Diverse Protein Interaction Modules Directing Cell Regulation. Chemical Reviews, 2014, 114, 6733-6778.	47.7	389
4	How viruses hijack cell regulation. Trends in Biochemical Sciences, 2011, 36, 159-169.	7.5	339
5	ELM 2016—data update and new functionality of the eukaryotic linear motif resource. Nucleic Acids Research, 2016, 44, D294-D300.	14.5	289
6	Base sequence discrimination by zinc-finger DNA-binding domains. Nature, 1991, 349, 175-178.	27.8	278
7	An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. Nature Communications, 2016, 7, 11491.	12.8	207
8	The SAND domain structure defines a novel DNA-binding fold in transcriptional regulation. Nature Structural Biology, 2001, 8, 626-633.	9.7	204
9	The transience of transient overexpression. Nature Methods, 2013, 10, 715-721.	19.0	203
10	ELM—the eukaryotic linear motif resource in 2020. Nucleic Acids Research, 2020, 48, D296-D306.	14.5	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. FEBS Letters, 1993, 324, 361-366.	2.8	189
12	The eukaryotic linear motif resource — 2018 update. Nucleic Acids Research, 2018, 46, D428-D434.	14.5	183
13	The ABBA Motif Binds APC/C Activators and Is Shared by APC/C Substrates and Regulators. Developmental Cell, 2015, 32, 358-372.	7.0	172
14	Cell regulation: determined to signal discrete cooperation. Trends in Biochemical Sciences, 2009, 34, 471-482.	7.5	162
15	The Eukaryotic Linear Motif resource: 2022 release. Nucleic Acids Research, 2022, 50, D497-D508.	14.5	144
16	Motif switches: decision-making in cell regulation. Current Opinion in Structural Biology, 2012, 22, 378-385.	5.7	133
17	CiliaCarta: An integrated and validated compendium of ciliary genes. PLoS ONE, 2019, 14, e0216705.	2.5	104
18	The switches.ELM Resource: A Compendium of Conditional Regulatory Interaction Interfaces. Science Signaling, 2013, 6, rs7.	3.6	101

#	Article	IF	Citations
19	Degrons in cancer. Science Signaling, 2017, 10, .	3.6	100
20	PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. Nucleic Acids Research, 2021, 49, D404-D411.	14.5	95
21	DNA-binding domain ancestry. Nature, 1989, 342, 134-134.	27.8	85
22	Proteome-wide analysis of human disease mutations in short linear motifs: neglected players in cancer?. Molecular BioSystems, 2014, 10, 2626-2642.	2.9	80
23	CTCF-Mediated Chromatin Loops between Promoter and Gene Body Regulate Alternative Splicing across Individuals. Cell Systems, 2017, 5, 628-637.e6.	6.2	80
24	Linear motifs confer functional diversity onto splice variants. Nucleic Acids Research, 2012, 40, 7123-7131.	14.5	65
25	Short linear motif candidates in the cell entry system used by SARS-CoV-2 and their potential therapeutic implications. Science Signaling, 2021, 14, .	3.6	61
26	Dimerization and Protein Binding Specificity of the U2AF Homology Motif of the Splicing Factor Puf60. Journal of Biological Chemistry, 2009, 284, 630-639.	3.4	59
27	Experimental detection of short regulatory motifs in eukaryotic proteins: tips for good practice as well as for bad. Cell Communication and Signaling, 2015, 13, 42.	6.5	58
28	Asymmetric mRNA localization contributes to fidelity and sensitivity of spatially localized systems. Nature Structural and Molecular Biology, 2014, 21, 833-839.	8.2	57
29	Metabolic complexity in the RNA world and implications for the origin of protein synthesis. Journal of Molecular Evolution, 1990, 30, 7-15.	1.8	53
30	RACK1 research â€" ships passing in the night?. FEBS Letters, 2012, 586, 2787-2789.	2.8	40
31	Short linear motif core and flanking regions modulate retinoblastoma protein binding affinity and specificity. Protein Engineering, Design and Selection, 2018, 31, 69-77.	2.1	33
32	Mimicry of Short Linear Motifs by Bacterial Pathogens: A Drugging Opportunity. Trends in Biochemical Sciences, 2020, 45, 526-544.	7.5	33
33	Gene2EST: a BLAST2 server for searching expressed sequence tag (EST) databases with eukaryotic gene-sized queries. Nucleic Acids Research, 2001, 29, 1272-1277.	14.5	30
34	Exploring Short Linear Motifs Using the ELM Database and Tools. Current Protocols in Bioinformatics, 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. PLoS Genetics, 2015, 11, e1005574.	3.5	23
36	Intermolecular base stacking mediates RNA-RNA interaction in a crystal structure of the RNA chaperone Hfq. Scientific Reports, 2017, 7, 9903.	3.3	14

#	Article	IF	Citations
37	An intrinsically disordered proteins community for ELIXIR. F1000Research, 2019, 8, 1753.	1.6	12
38	Divergent Evolution of a Protein–Protein Interaction Revealed through Ancestral Sequence Reconstruction and Resurrection. Molecular Biology and Evolution, 2021, 38, 152-167.	8.9	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.	5.2	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.	0.9	3
43	PCARE requires coiled coil, RP62 kinase-binding and EVH1 domain-binding motifs for ciliary expansion. Human Molecular Genetics, 2022, 31, 2560-2570.	2.9	3
44	Hunting for Cis-Regulatory Elements in Proteins. Cell Systems, 2016, 2, 68-70.	6.2	1
45	Multiple Sequence Alignment Using ClustalW and ClustalX. , 2003, 00, 2.3.1.		1