

# Toby James Gibson

## List of Publications by Citations

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44  
papers

11,928  
citations

29  
h-index

46  
g-index

46  
ext. papers

15,435  
ext. citations

13.8  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
44	Fast, scalable generation of high-quality protein multiple sequence alignments using Clustal Omega. <i>Molecular Systems Biology</i> , <b>2011</b> , 7, 539	12.2	8587
43	A million peptide motifs for the molecular biologist. <i>Molecular Cell</i> , <b>2014</b> , 55, 161-9	17.6	310
42	Base sequence discrimination by zinc-finger DNA-binding domains. <i>Nature</i> , <b>1991</b> , 349, 175-8	50.4	265
41	How viruses hijack cell regulation. <i>Trends in Biochemical Sciences</i> , <b>2011</b> , 36, 159-69	10.3	260
40	Short linear motifs: ubiquitous and functionally diverse protein interaction modules directing cell regulation. <i>Chemical Reviews</i> , <b>2014</b> , 114, 6733-78	68.1	254
39	ELM 2016--data update and new functionality of the eukaryotic linear motif resource. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, D294-300	20.1	222
38	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> , <b>1993</b> , 324, 361-6	3.8	174
37	The SAND domain structure defines a novel DNA-binding fold in transcriptional regulation. <i>Nature Structural Biology</i> , <b>2001</b> , 8, 626-33		167
36	The transience of transient overexpression. <i>Nature Methods</i> , <b>2013</b> , 10, 715-21	21.6	140
35	An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. <i>Nature Communications</i> , <b>2016</b> , 7, 11491	17.4	134
34	Cell regulation: determined to signal discrete cooperation. <i>Trends in Biochemical Sciences</i> , <b>2009</b> , 34, 471-82.3	82.3	132
33	The eukaryotic linear motif resource - 2018 update. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D428-D434	20.1	129
32	ELM-the eukaryotic linear motif resource in 2020. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, D296-D306	20.1	110
31	The ABBA motif binds APC/C activators and is shared by APC/C substrates and regulators. <i>Developmental Cell</i> , <b>2015</b> , 32, 358-372	10.2	109
30	Motif switches: decision-making in cell regulation. <i>Current Opinion in Structural Biology</i> , <b>2012</b> , 22, 378-858.1		107
29	The switches.ELM resource: a compendium of conditional regulatory interaction interfaces. <i>Science Signaling</i> , <b>2013</b> , 6, rs7	8.8	83
28	DNA-binding domain ancestry. <i>Nature</i> , <b>1989</b> , 342, 134	50.4	70

27	Proteome-wide analysis of human disease mutations in short linear motifs: neglected players in cancer?. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2626-42		62
26	Degrans in cancer. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	58
25	Linear motifs confer functional diversity onto splice variants. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 7123-31	20.1	54
24	Dimerization and protein binding specificity of the U2AF homology motif of the splicing factor Puf60. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 630-639	5.4	49
23	Asymmetric mRNA localization contributes to fidelity and sensitivity of spatially localized systems. <i>Nature Structural and Molecular Biology</i> , <b>2014</b> , 21, 833-9	17.6	48
22	CiliaCarta: An integrated and validated compendium of ciliary genes. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216705	3.7	47
21	Metabolic complexity in the RNA world and implications for the origin of protein synthesis. <i>Journal of Molecular Evolution</i> , <b>1990</b> , 30, 7-15	3.1	47
20	Experimental detection of short regulatory motifs in eukaryotic proteins: tips for good practice as well as for bad. <i>Cell Communication and Signaling</i> , <b>2015</b> , 13, 42	7.5	44
19	CTCF-Mediated Chromatin Loops between Promoter and Gene Body Regulate Alternative Splicing across Individuals. <i>Cell Systems</i> , <b>2017</b> , 5, 628-637.e6	10.6	43
18	RACK1 research - ships passing in the night?. <i>FEBS Letters</i> , <b>2012</b> , 586, 2787-9	3.8	34
17	Short linear motif candidates in the cell entry system used by SARS-CoV-2 and their potential therapeutic implications. <i>Science Signaling</i> , <b>2021</b> , 14,	8.8	31
16	PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D404-D411	20.1	31
15	Gene2EST: a BLAST2 server for searching expressed sequence tag (EST) databases with eukaryotic gene-sized queries. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, 1272-7	20.1	24
14	Exploring Short Linear Motifs Using the ELM Database and Tools. <i>Current Protocols in Bioinformatics</i> , <b>2017</b> , 58, 8.22.1-8.22.35	24.2	18
13	NINL and DZANK1 Co-function in Vesicle Transport and Are Essential for Photoreceptor Development in Zebrafish. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005574	6	16
12	Mimicry of Short Linear Motifs by Bacterial Pathogens: A Drugging Opportunity. <i>Trends in Biochemical Sciences</i> , <b>2020</b> , 45, 526-544	10.3	15
11	Short linear motif core and flanking regions modulate retinoblastoma protein binding affinity and specificity. <i>Protein Engineering, Design and Selection</i> , <b>2018</b> , 31, 69-77	1.9	15
10	The Eukaryotic Linear Motif resource: 2022 release. <i>Nucleic Acids Research</i> , <b>2021</b> ,	20.1	10

9	An intrinsically disordered proteins community for ELIXIR. <i>F1000Research</i> , <b>2019</b> , 8,	3.6	7
8	Intermolecular base stacking mediates RNA-RNA interaction in a crystal structure of the RNA chaperone Hfq. <i>Scientific Reports</i> , <b>2017</b> , 7, 9903	4.9	6
7	Non-muscle and smooth muscle myosin light chain kinases: no end in sight. <i>DNA Sequence</i> , <b>1993</b> , 3, 333-5		5
6	The Gene Ontology of eukaryotic cilia and flagella. <i>Cilia</i> , <b>2017</b> , 6, 10	5.5	3
5	Control of mitotic chromosome condensation by the fission yeast transcription factor Zas1. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 2383-2401	7.3	3
4	Divergent Evolution of a Protein-Protein Interaction Revealed through Ancestral Sequence Reconstruction and Resurrection. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 152-167	8.3	2
3	How to Annotate and Submit a Short Linear Motif to the Eukaryotic Linear Motif Resource. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2141, 73-102	1.4	1
2	Hunting for Cis-Regulatory Elements in Proteins. <i>Cell Systems</i> , <b>2016</b> , 2, 68-70	10.6	1
1	Multiple Sequence Alignment Using ClustalW and ClustalX <b>2003</b> , 00, 2.3.1		1