

Iain W Manfield

List of Publications by Year in descending order

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42
papers

2,621
citations

279487

23
h-index

288905

40
g-index

44
all docs

44
docs citations

44
times ranked

4430
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations involved in Aicardi-Goutières syndrome implicate SAMHD1 as regulator of the innate immune response. <i>Nature Genetics</i> , 2009, 41, 829-832.	9.4	610
2	Structural Basis for DNA Binding Specificity by the Auxin-Dependent ARF Transcription Factors. <i>Cell</i> , 2014, 156, 577-589.	13.5	348
3	Affimer proteins are versatile and renewable affinity reagents. <i>ELife</i> , 2017, 6, .	2.8	151
4	Arabidopsis Co-expression Tool (ACT): web server tools for microarray-based gene expression analysis. <i>Nucleic Acids Research</i> , 2006, 34, W504-W509.	6.5	145
5	Novel cell wall architecture of isoxaben-habituated Arabidopsis suspension-cultured cells: global transcript profiling and cellular analysis. <i>Plant Journal</i> , 2004, 40, 260-275.	2.8	144
6	Cooperative tandem binding of met repressor of Escherichia coli. <i>Nature</i> , 1989, 341, 711-715.	13.7	122
7	Arabidopsis thaliana GATA factors: organisation, expression and DNA-binding characteristics. <i>Plant Molecular Biology</i> , 2002, 50, 43-56.	2.0	101
8	Conservation, Convergence, and Divergence of Light-Responsive, Circadian-Regulated, and Tissue-Specific Expression Patterns during Evolution of the Arabidopsis GATA Gene Family. <i>Plant Physiology</i> , 2007, 143, 941-958.	2.3	87
9	Direct Evidence for Packaging Signal-Mediated Assembly of Bacteriophage MS2. <i>Journal of Molecular Biology</i> , 2016, 428, 431-448.	2.0	80
10	Staphylococcal biofilm-forming protein has a contiguous rod-like structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1011-8.	3.3	73
11	The Arabidopsis co-expression tool (act): a WWW-based tool and database for microarray-based gene expression analysis. <i>Plant Journal</i> , 2006, 46, 336-348.	2.8	69
12	TRPA1-FGFR2 binding event is a regulatory oncogenic driver modulated by miRNA-142-3p. <i>Nature Communications</i> , 2017, 8, 947.	5.8	56
13	Epitope detection chromatography: a method to dissect the structural heterogeneity and interconnections of plant cell wall matrix glycans. <i>Plant Journal</i> , 2014, 78, 715-722.	2.8	46
14	Transcript analysis reveals an extended regulon and the importance of protein-protein co-operativity for the Escherichia coli methionine repressor. <i>Biochemical Journal</i> , 2006, 396, 227-234.	1.7	43
15	From gene expression to gene regulatory networks in Arabidopsis thaliana. <i>BMC Systems Biology</i> , 2009, 3, 85.	3.0	38
16	Bacteriophage MS2 genomic RNA encodes an assembly instruction manual for its capsid. <i>Bacteriophage</i> , 2016, 6, e1157666.	1.9	38
17	AtSPX1 affects the AtPHR1-DNA-binding equilibrium by binding monomeric AtPHR1 in solution. <i>Biochemical Journal</i> , 2017, 474, 3675-3687.	1.7	36
18	Probing met repressor-operator recognition in solution. <i>Nature</i> , 1992, 359, 431-433.	13.7	35

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19	Molecular characterization of DNA sequences from the <i>Primula vulgaris</i> S-locus. <i>Journal of Experimental Botany</i> , 2005, 56, 1177-1188.	2.4	34
20	Multi-scale spatial heterogeneity of pectic rhamnogalacturonan I (RG-I) structural features in tobacco seed endosperm cell walls. <i>Plant Journal</i> , 2013, 75, 1018-1027.	2.8	32
21	Mutations in Spliceosomal Genes PPIL1 and PRP17 Cause Neurodegenerative Pontocerebellar Hypoplasia with Microcephaly. <i>Neuron</i> , 2021, 109, 241-256.e9.	3.8	31
22	Tenascin C upregulates interleukin-6 expression in human cardiac myofibroblasts via toll-like receptor 4. <i>World Journal of Cardiology</i> , 2016, 8, 340.	0.5	31
23	The effects of irradiation on the biological and biomechanical properties of an acellular porcine superflexor tendon graft for cruciate ligament repair. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2477-2486.	1.6	26
24	Application of isothermal titration calorimetry in evaluation of protein-nanoparticle interactions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 605-613.	2.0	25
25	<i>Arabidopsis</i> PEX19 is a dimeric protein that binds the peroxin PEX10. <i>Molecular Membrane Biology</i> , 2006, 23, 325-336.	2.0	24
26	Tuning the rate of aggregation of hIAPP into amyloid using small-molecule modulators of assembly. <i>Nature Communications</i> , 2022, 13, 1040.	5.8	23
27	A missense variant in specificity protein 6 (SP6) is associated with amelogenesis imperfecta. <i>Human Molecular Genetics</i> , 2020, 29, 1417-1425.	1.4	21
28	Re-engineering of the PAM1 phage display monoclonal antibody to produce a soluble, versatile anti-homogalacturonan scFv. <i>Plant Science</i> , 2005, 169, 1090-1095.	1.7	20
29	GPVI (Glycoprotein VI) Interaction With Fibrinogen Is Mediated by Avidity and the Fibrinogen C-Region. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1092-1104.	1.1	19
30	Structural and Functional Studies of an Intermediate on the Pathway to Operator Binding by <i>Escherichia coli</i> MetJ. <i>Journal of Molecular Biology</i> , 2002, 320, 39-53.	2.0	18
31	Affimer proteins as a tool to modulate fibrinolysis, stabilize the blood clot, and reduce bleeding complications. <i>Blood</i> , 2019, 133, 1233-1244.	0.6	17
32	The <i>S</i> locus-linked <i>Primula</i> homeotic mutant <i>sepaloid</i> shows characteristics of a function mutant but does not result from mutation in a function gene. <i>Plant Journal</i> , 2008, 56, 1-12.	2.8	16
33	Defining the remarkable structural malleability of a bacterial surface protein Rib domain implicated in infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26540-26548.	3.3	15
34	Trivalent Gd-DOTA reagents for modification of proteins. <i>RSC Advances</i> , 2015, 5, 96194-96200.	1.7	9
35	Ethylation Interference. , 1994, 30, 125-140.		8
36	Dysregulation of Hepatitis B Virus Nucleocapsid Assembly in vitro by RNA-binding Small Ligands. <i>Journal of Molecular Biology</i> , 2022, 434, 167557.	2.0	6

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37	A biaryl peptide crosslink in a MetJ peptide model confers cooperative, nonspecific binding to DNA that ablates both repressor binding and In vitro transcription. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 811-816.	1.4	5
38	Mutations of the domain forming the dimeric interface of the <scp>A</scp> protein affect dimerization and antimodification activity but not antirestriction activity. <i>FEBS Journal</i> , 2013, 280, 4903-4914.	2.2	5
39	Ethylation Interference Footprinting of DNA-Protein Complexes. <i>Methods in Molecular Biology</i> , 2009, 543, 105-120.	0.4	4
40	A Comparative Assessment Study of Known Small-molecule GPVI Modulators. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 171-181.	1.3	4
41	Structural and functional characterisation of the DNA binding domain of the <i>Aspergillus nidulans</i> gene regulatory protein AreA. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1648, 84-89.	1.1	2
42	Dataset of high-throughput ligand screening against the RNA Packaging Signals regulating Hepatitis B Virus nucleocapsid formation. <i>Data in Brief</i> , 2022, 42, 108206.	0.5	0