

Thomas Alfred Edwards

List of Publications by Year in descending order

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66
papers

2,884
citations

186265

28
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175258

52
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74
all docs

74
docs citations

74
times ranked

4142
citing authors

#	ARTICLE	IF	CITATIONS
1	Sal-type ABC-F proteins: intrinsic and common mediators of pleuromutilin resistance by target protection in staphylococci. <i>Nucleic Acids Research</i> , 2022, 50, 2128-2142.	14.5	16
2	Understanding p300-transcription factor interactions using sequence variation and hybridization. <i>RSC Chemical Biology</i> , 2022, 3, 592-603.	4.1	2
3	The Native Orthobunyavirus Ribonucleoprotein Possesses a Helical Architecture. <i>MBio</i> , 2022, 13, .	4.1	10
4	Development of a multiplex assay for antibody detection in serum against pathogens affecting ruminants. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1229-1239.	3.0	7
5	Selective Affimers Recognise the BCL λ Family Proteins BCL λ and MCL λ through Noncanonical Structural Motifs**. <i>ChemBioChem</i> , 2021, 22, 232-240.	2.6	9
6	Query-guided protein-protein interaction inhibitor discovery. <i>Chemical Science</i> , 2021, 12, 4753-4762.	7.4	5
7	Towards optimizing peptide-based inhibitors of protein-protein interactions: predictive saturation variation scanning (PreSaVS). <i>RSC Chemical Biology</i> , 2021, 2, 1474-1478.	4.1	5
8	Identification of β -strand mediated protein-protein interaction inhibitors using ligand-directed fragment ligation. <i>Chemical Science</i> , 2021, 12, 2286-2293.	7.4	3
9	RAS-inhibiting biologics identify and probe druggable pockets including an SH β 3 allosteric site. <i>Nature Communications</i> , 2021, 12, 4045.	12.8	19
10	Structure of the 70S Ribosome from the Human Pathogen <i>Acinetobacter baumannii</i> in Complex with Clinically Relevant Antibiotics. <i>Structure</i> , 2020, 28, 1087-1100.e3.	3.3	16
11	Characterization and applications of a Crimean-Congo hemorrhagic fever virus nucleoprotein-specific Affimer: Inhibitory effects in viral replication and development of colorimetric diagnostic tests. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008364.	3.0	4
12	A missense variant in specificity protein 6 (SP6) is associated with amelogenesis imperfecta. <i>Human Molecular Genetics</i> , 2020, 29, 1417-1425.	2.9	21
13	Stapled Peptides as HIF α /p300 Inhibitors: Helicity Enhancement in the Bound State Increases Inhibitory Potency. <i>Chemistry - A European Journal</i> , 2020, 26, 7638-7646.	3.3	16
14	Predicting and Experimentally Validating Hot-Spot Residues at Protein-Protein Interfaces. <i>ACS Chemical Biology</i> , 2019, 14, 2252-2263.	3.4	54
15	Reply to Rameix-Welti, "No Incongruity in Respiratory Syncytial Virus M2-1 Protein Remaining Bound to Viral mRNAs during Their Entire Life Time". <i>MBio</i> , 2019, 10, .	4.1	0
16	Tula orthohantavirus nucleocapsid protein is cleaved in infected cells and may sequester activated caspase-3 during persistent infection to suppress apoptosis. <i>Journal of General Virology</i> , 2019, 100, 1208-1221.	2.9	5
17	The Structure of the Human Respiratory Syncytial Virus M2-1 Protein Bound to the Interaction Domain of the Phosphoprotein P Defines the Orientation of the Complex. <i>MBio</i> , 2018, 9, .	4.1	28
18	Identification of a small molecule inhibitor of Ebola virus genome replication and transcription using in silico screening. <i>Antiviral Research</i> , 2018, 156, 46-54.	4.1	14

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19	Structure and Function of the Human Respiratory Syncytial Virus M2 ⁺ 1 Protein. Sub-Cellular Biochemistry, 2018, 88, 245-260.	2.4	4
20	Hypoxia inducible factor (HIF) as a model for studying inhibition of protein ⁺ protein interactions. Chemical Science, 2017, 8, 4188-4202.	7.4	30
21	Generation of specific inhibitors of SUMO-1 ⁺ and SUMO-2/3 ⁺ mediated protein-protein interactions using Affimer (Adhiron) technology. Science Signaling, 2017, 10, .	3.6	44
22	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. ChemBioChem, 2016, 17, 768-773.	2.6	5
23	Synthesis of highly functionalized oligobenzamide proteomimetic foldamers by late stage introduction of sensitive groups. Organic and Biomolecular Chemistry, 2016, 14, 3782-3786.	2.8	17
24	ABC-F Proteins Mediate Antibiotic Resistance through Ribosomal Protection. MBio, 2016, 7, e01975.	4.1	222
25	Heat Shock Protein 70 Family Members Interact with Crimean-Congo Hemorrhagic Fever Virus and Hazara Virus Nucleocapsid Proteins and Perform a Functional Role in the Nairovirus Replication Cycle. Journal of Virology, 2016, 90, 9305-9316.	3.4	36
26	Hypertrophic cardiomyopathy mutations in the calponin-homology domain of ACTN2 affect actin binding and cardiomyocyte Z-disc incorporation. Biochemical Journal, 2016, 473, 2485-2493.	3.7	42
27	Genetic analysis of Physcomitrella patens identifies ABSCISIC ACID NON-RESPONSIVE (ANR), a regulator of ABA responses unique to basal land plants and required for desiccation tolerance. Plant Cell, 2016, 28, tpc.00091.2016.	6.6	98
28	Towards ⁺ œbionic ⁺ proteins: replacement of continuous sequences from HIF-1 ⁺ with proteomimetics to create functional p300 binding HIF-1 ⁺ mimics. Chemical Communications, 2016, 52, 5421-5424.	4.1	20
29	Hydrocarbon constrained peptides ⁺ understanding preorganisation and binding affinity. Chemical Science, 2016, 7, 3694-3702.	7.4	63
30	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein ⁺ Protein Interactions. Angewandte Chemie, 2015, 127, 3003-3008.	2.0	24
31	Bespoke RNA recognition by Pumilios. Biochemical Society Transactions, 2015, 43, 801-806.	3.4	9
32	The crystal structure of the Hazara virus nucleocapsid protein. BMC Structural Biology, 2015, 15, 24.	2.3	26
33	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein ⁺ Protein Interactions. Angewandte Chemie - International Edition, 2015, 54, 2960-2965.	13.8	82
34	Stereocontrolled protein surface recognition using chiral oligoamide proteomimetic foldamers. Chemical Science, 2015, 6, 2434-2443.	7.4	58
35	Exploration of the HIF-1 ⁺ /p300 interface using peptide and Adhiron phage display technologies. Molecular BioSystems, 2015, 11, 2738-2749.	2.9	35
36	Small ⁺ Molecule Proteomimetic Inhibitors of the HIF ⁺ 1 ⁺ â ⁺ p300 Protein ⁺ Protein Interaction. ChemBioChem, 2014, 15, 1083-1087.	2.6	57

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37	Crystal structure of the essential transcription antiterminator M2-1 protein of human respiratory syncytial virus and implications of its phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1580-1585.	7.1	58
38	Probing Bunyavirus N protein oligomerisation using mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 793-800.	1.5	6
39	Orthogonal functionalisation of α -helix mimetics. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6794-6799.	2.8	24
40	Microwave assisted solid phase synthesis of highly functionalized N-alkylated oligobenzamide α -helix mimetics. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4034-4040.	3.0	42
41	Aromatic Oligoamide Foldamers with a "Wet Edge" as Inhibitors of the α -Helix-Mediated p53-MDM2 Protein-Protein Interaction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3504-3512.	2.4	23
42	Mutagenesis Mapping of the Protein-Protein Interaction Underlying FusB-Type Fusidic Acid Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4640-4644.	3.2	4
43	Nucleocapsid protein structures from orthobunyaviruses reveal insight into ribonucleoprotein architecture and RNA polymerization. <i>Nucleic Acids Research</i> , 2013, 41, 5912-5926.	14.5	69
44	Structure, Function, and Evolution of the Crimean-Congo Hemorrhagic Fever Virus Nucleocapsid Protein. <i>Journal of Virology</i> , 2012, 86, 10914-10923.	3.4	94
45	Ribosome clearance by FusB-type proteins mediates resistance to the antibiotic fusidic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2102-2107.	7.1	36
46	2-O-Alkylated para-benzamide α -helix mimetics: the role of scaffold curvature. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6469.	2.8	46
47	ATP-Driven Remodeling of the Linker Domain in the Dynein Motor. <i>Structure</i> , 2012, 20, 1670-1680.	3.3	76
48	Conformational properties of O-alkylated benzamides. <i>Tetrahedron</i> , 2012, 68, 4485-4491.	1.9	21
49	Modeling of Arylamide Helix Mimetics in the p53 Peptide Binding Site of hDM2 Suggests Parallel and Anti-Parallel Conformations Are Both Stable. <i>PLoS ONE</i> , 2012, 7, e43253.	2.5	16
50	Helix-mediated protein-protein interactions as targets for intervention using foldamers. <i>Amino Acids</i> , 2011, 41, 743-754.	2.7	72
51	Kinked α -strands mediate high-affinity recognition of mRNA targets by the germ-cell regulator DAZL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18266-18271.	7.1	58
52	N-alkylated oligoamide α -helical proteomimetics. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2344.	2.8	79
53	Co-occupancy of two Pumilio molecules on a single hunchback NRE. <i>Rna</i> , 2009, 15, 1029-1035.	3.5	24
54	Structure and RNA binding of the mouse Pumilio-2 Puf domain. <i>Journal of Structural Biology</i> , 2009, 167, 271-276.	2.8	26

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55	Oligobenzamide proteomimetic inhibitors of the p53-hDM2 protein-protein interaction. <i>Chemical Communications</i> , 2009, , 5091.	4.1	124
56	A Beta-Sheet Interaction Interface Directs the Tetramerisation of the Miz-1 POZ Domain. <i>Journal of Molecular Biology</i> , 2007, 373, 820-826.	4.2	33
57	Solution Structure of the Vts1 SAM Domain in the Presence of RNA. <i>Journal of Molecular Biology</i> , 2006, 356, 1065-1072.	4.2	15
58	Crystal Structure of the Catalytic Core of Human DNA Polymerase Kappa. <i>Structure</i> , 2004, 12, 1395-1404.	3.3	107
59	Crystal Structure of BstYI at 1.85Å... Resolution: A Thermophilic Restriction Endonuclease with Overlapping Specificities to BamHI and BglII. <i>Journal of Molecular Biology</i> , 2004, 338, 725-733.	4.2	15
60	Crystal Structure of the SF3 Helicase from Adeno-Associated Virus Type 2. <i>Structure</i> , 2003, 11, 1025-1035.	3.3	96
61	Model of the Brain Tumor-Pumilio translation repressor complex. <i>Genes and Development</i> , 2003, 17, 2508-2513.	5.9	97
62	Crystallization and characterization of Smaug: a novel RNA-binding motif. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 1085-1088.	2.1	8
63	Transcription Corepressor CtBP Is an NAD ⁺ -Regulated Dehydrogenase. <i>Molecular Cell</i> , 2002, 10, 857-869.	9.7	252
64	Disruption of six <i>Saccharomyces cerevisiae</i> ORFs on chromosome XII results in three lethal disruptants. <i>Yeast</i> , 2002, 19, 79-86.	1.7	1
65	Structure of Pumilio Reveals Similarity between RNA and Peptide Binding Motifs. <i>Cell</i> , 2001, 105, 281-289.	28.9	237
66	Crystallization and Characterization of Pumilio: A Novel RNA Binding Protein. <i>Journal of Structural Biology</i> , 2000, 132, 251-254.	2.8	15