

# Thomas Alfred Edwards

## List of Publications by Year in descending order

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66  
papers

2,884  
citations

186254

28  
h-index

175241

52  
g-index

74  
all docs

74  
docs citations

74  
times ranked

4142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription Corepressor CtBP Is an NAD <sup>+</sup> -Regulated Dehydrogenase. <i>Molecular Cell</i> , 2002, 10, 857-869.	9.7	252
2	Structure of Pumilio Reveals Similarity between RNA and Peptide Binding Motifs. <i>Cell</i> , 2001, 105, 281-289.	28.9	237
3	ABC-F Proteins Mediate Antibiotic Resistance through Ribosomal Protection. <i>MBio</i> , 2016, 7, e01975.	4.1	222
4	Oligobenzamide proteomimetic inhibitors of the p53-hDM2 protein-protein interaction. <i>Chemical Communications</i> , 2009, , 5091.	4.1	124
5	Crystal Structure of the Catalytic Core of Human DNA Polymerase Kappa. <i>Structure</i> , 2004, 12, 1395-1404.	3.3	107
6	Genetic analysis of <i>Physcomitrella patens</i> identifies ABSCISIC ACID NON-RESPONSIVE (ANR), a regulator of ABA responses unique to basal land plants and required for desiccation tolerance. <i>Plant Cell</i> , 2016, 28, tpc.00091.2016.	6.6	98
7	Model of the Brain Tumor-Pumilio translation repressor complex. <i>Genes and Development</i> , 2003, 17, 2508-2513.	5.9	97
8	Crystal Structure of the SF3 Helicase from Adeno-Associated Virus Type 2. <i>Structure</i> , 2003, 11, 1025-1035.	3.3	96
9	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
10	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2960-2965.	13.8	82
11	N-alkylated oligoamide $\alpha$ -helical proteomimetics. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2344.	2.8	79
12	ATP-Driven Remodeling of the Linker Domain in the Dynein Motor. <i>Structure</i> , 2012, 20, 1670-1680.	3.3	76
13	Helix-mediated protein-protein interactions as targets for intervention using foldamers. <i>Amino Acids</i> , 2011, 41, 743-754.	2.7	72
14	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
15	Hydrocarbon constrained peptides - understanding preorganisation and binding affinity. <i>Chemical Science</i> , 2016, 7, 3694-3702.	7.4	63
16	Kinked $\beta$ -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
17	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
18	Stereocontrolled protein surface recognition using chiral oligoamide proteomimetic foldamers. <i>Chemical Science</i> , 2015, 6, 2434-2443.	7.4	58

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19	Small-Molecule Proteomimetic Inhibitors of the HIF-1 $\alpha$ -p300 Protein-Protein Interaction. <i>ChemBioChem</i> , 2014, 15, 1083-1087.	2.6	57
20	Predicting and Experimentally Validating Hot-Spot Residues at Protein-Protein Interfaces. <i>ACS Chemical Biology</i> , 2019, 14, 2252-2263.	3.4	54
21	2-O-Alkylated para-benzamide $\alpha$ -helix mimetics: the role of scaffold curvature. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6469.	2.8	46
22	Generation of specific inhibitors of SUMO-1 and SUMO-2/3-mediated protein-protein interactions using Affimer (Adhiron) technology. <i>Science Signaling</i> , 2017, 10, .	3.6	44
23	Microwave assisted solid phase synthesis of highly functionalized N-alkylated oligobenzamide $\alpha$ -helix mimetics. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4034-4040.	3.0	42
24	Hypertrophic cardiomyopathy mutations in the calponin-homology domain of ACTN2 affect actin binding and cardiomyocyte Z-disc incorporation. <i>Biochemical Journal</i> , 2016, 473, 2485-2493.	3.7	42
25	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
26	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. <i>Journal of Virology</i> , 2016, 90, 9305-9316.	3.4	36
27	Exploration of the HIF-1 $\alpha$ /p300 interface using peptide and Adhiron phage display technologies. <i>Molecular BioSystems</i> , 2015, 11, 2738-2749.	2.9	35
28	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
29	Hypoxia inducible factor (HIF) as a model for studying inhibition of protein-protein interactions. <i>Chemical Science</i> , 2017, 8, 4188-4202.	7.4	30
30	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
31	Structure and RNA binding of the mouse Pumilio-2 Puf domain. <i>Journal of Structural Biology</i> , 2009, 167, 271-276.	2.8	26
32	The crystal structure of the Hazara virus nucleocapsid protein. <i>BMC Structural Biology</i> , 2015, 15, 24.	2.3	26
33	Co-occupancy of two Pumilio molecules on a single hunchback NRE. <i>Rna</i> , 2009, 15, 1029-1035.	3.5	24
34	Orthogonal functionalisation of $\alpha$ -helix mimetics. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6794-6799.	2.8	24
35	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. <i>Angewandte Chemie</i> , 2015, 127, 3003-3008.	2.0	24
36	Aromatic Oligoamide Foldamers with a "Wet Edge" as Inhibitors of the $\alpha$ -Helix-Mediated p53-DM2 Protein-Protein Interaction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3504-3512.	2.4	23

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37	Conformational properties of O-alkylated benzamides. <i>Tetrahedron</i> , 2012, 68, 4485-4491.	1.9	21
38	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
39	Towards "œbionic" proteins: replacement of continuous sequences from HIF-1 $\pm$ with proteomimetics to create functional p300 binding HIF-1 $\pm$ mimics. <i>Chemical Communications</i> , 2016, 52, 5421-5424.	4.1	20
40	RAS-inhibiting biologics identify and probe druggable pockets including an SII-1 $\pm$ 3 allosteric site. <i>Nature Communications</i> , 2021, 12, 4045.	12.8	19
41	Synthesis of highly functionalized oligobenzamide proteomimetic foldamers by late stage introduction of sensitive groups. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3782-3786.	2.8	17
42	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
43	Stapled Peptides as HIF-1 $\pm$ /p300 Inhibitors: Helicity Enhancement in the Bound State Increases Inhibitory Potency. <i>Chemistry - A European Journal</i> , 2020, 26, 7638-7646.	3.3	16
44	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
45	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
46	Crystallization and Characterization of Pumilio: A Novel RNA Binding Protein. <i>Journal of Structural Biology</i> , 2000, 132, 251-254.	2.8	15
47	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
48	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
49	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
50	The Native Orthobunyavirus Ribonucleoprotein Possesses a Helical Architecture. <i>MBio</i> , 2022, 13, .	4.1	10
51	Bespoke RNA recognition by Pumilios. <i>Biochemical Society Transactions</i> , 2015, 43, 801-806.	3.4	9
52	Selective Affimers Recognise the BCL-2 Family Proteins BCL-2 and MCL-1 through Noncanonical Structural Motifs**. <i>ChemBioChem</i> , 2021, 22, 232-240.	2.6	9
53	Crystallization and characterization of Smaug: a novel RNA-binding motif. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 1085-1088.	2.1	8
54	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

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55	Probing Bunyavirus N protein oligomerisation using mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 793-800.	1.5	6
56	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. <i>ChemBioChem</i> , 2016, 17, 768-773.	2.6	5
57	Query-guided protein-protein interaction inhibitor discovery. <i>Chemical Science</i> , 2021, 12, 4753-4762.	7.4	5
58	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
59	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
60	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
61	Structure and Function of the Human Respiratory Syncytial Virus M2-1 Protein. <i>Sub-Cellular Biochemistry</i> , 2018, 88, 245-260.	2.4	4
62	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
63	Identification of $\beta$ -strand mediated protein-protein interaction inhibitors using ligand-directed fragment ligation. <i>Chemical Science</i> , 2021, 12, 2286-2293.	7.4	3
64	Understanding p300-transcription factor interactions using sequence variation and hybridization. <i>RSC Chemical Biology</i> , 2022, 3, 592-603.	4.1	2
65	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
66	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