

Andrew J. Wilson

List of Publications by Citations

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118
papers

4,538
citations

36
h-index

64
g-index

150
ext. papers

5,048
ext. citations

7.6
avg, IF

5.96
L-index

#	Paper	IF	Citations
118	Inhibition of β -helix-mediated protein-protein interactions using designed molecules. <i>Nature Chemistry</i> , 2013 , 5, 161-73	17.6	563
117	Inhibition of protein-protein interactions using designed molecules. <i>Chemical Society Reviews</i> , 2009 , 38, 3289-300	58.5	206
116	Pattern recognition of proteins based on an array of functionalized porphyrins. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2421-5	16.4	199
115	Non-covalent polymer assembly using arrays of hydrogen-bonds. <i>Soft Matter</i> , 2007 , 3, 409-425	3.6	194
114	Benzylid Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1538-1543	16.4	177
113	Organic "Magic Rings": The Hydrogen Bond-Directed Assembly of Catenanes under Thermodynamic Control. <i>Journal of the American Chemical Society</i> , 1999 , 121, 1599-1600	16.4	164
112	Pattern-based detection of different proteins using an array of fluorescent protein surface receptors. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5656-7	16.4	146
111	Chiral amplification in the transcription of supramolecular helicity into a polymer backbone. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2275-9	16.4	130
110	Photo-induced covalent cross-linking for the analysis of biomolecular interactions. <i>Chemical Society Reviews</i> , 2013 , 42, 3289-301	58.5	128
109	Modulators of 14-3-3 Protein-Protein Interactions. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 3755-3778	8.3	121
108	Oligobenzamide proteomimetic inhibitors of the p53-hDM2 protein-protein interaction. <i>Chemical Communications</i> , 2009 , 5091-3	5.8	113
107	Benzylid Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. <i>Angewandte Chemie</i> , 2001 , 113, 1586-1591	3.6	76
106	N-alkylated oligoamide alpha-helical proteomimetics. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2344-51	5.9	74
105	Selective and potent proteomimetic inhibitors of intracellular protein-protein interactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2960-5	16.4	70
104	"Magic rod" rotaxanes: the hydrogen bond-directed synthesis of molecular shuttles under thermodynamic control. <i>Organic Letters</i> , 2003 , 5, 1907-10	6.2	67
103	Amplification of chirality in benzene tricarboxamide helical supramolecular polymers. <i>Chemical Communications</i> , 2006 , 4404-6	5.8	64
102	Helix-mediated protein-protein interactions as targets for intervention using foldamers. <i>Amino Acids</i> , 2011 , 41, 743-54	3.5	62

101	Double quick, double click reversible peptide "stapling". <i>Chemical Science</i> , 2017 , 8, 5166-5171	9.4	53
100	Hydrocarbon constrained peptides - understanding preorganisation and binding affinity. <i>Chemical Science</i> , 2016 , 7, 3694-3702	9.4	53
99	Synthesis of functionalised aromatic oligamide rods. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 138-46.9	53	
98	Stereocontrolled protein surface recognition using chiral oligoamide proteomimetic foldamers. <i>Chemical Science</i> , 2015 , 6, 2434-2443	9.4	52
97	Small-molecule proteomimetic inhibitors of the HIF-1 β 300 protein-protein interaction. <i>ChemBioChem</i> , 2014 , 15, 1083-7	3.8	52
96	Catalytic unfolding and proteolysis of cytochrome C induced by synthetic binding agents. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12833-42	16.4	50
95	The mechanism of formation of amide-based interlocked compounds: prediction of a new rotaxane-forming motif. <i>Chemistry - A European Journal</i> , 2004 , 10, 4960-9	4.8	49
94	Directed denaturation: room temperature and stoichiometric unfolding of cytochrome C by a metalloporphyrin dimer. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4420-1	16.4	48
93	An α -Helix-Mimicking 12,13-Helix: Designed π -Foldamers as Selective Inhibitors of Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11096-100	16.4	45
92	Tunable Self-Assembled Elastomers Using Triply Hydrogen-Bonded Arrays. <i>Macromolecules</i> , 2012 , 45, 4723-4729	5.5	44
91	Monosubstituted alkenyl amino acids for peptide "stapling". <i>Chemical Communications</i> , 2013 , 49, 9131-35.8	43	
90	2-O-alkylated para-benzamide α -helix mimetics: the role of scaffold curvature. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 6469-72	3.9	42
89	Visualizing and trapping transient oligomers in amyloid assembly pathways. <i>Biophysical Chemistry</i> , 2021 , 268, 106505	3.5	42
88	Sequential and phototriggered supramolecular self-sorting cascades using hydrogen-bonded motifs. <i>Chemical Science</i> , 2013 , 4, 1825	9.4	41
87	Thermodynamic phase diagram of amyloid- β (16-22) peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2091-2096	11.5	40
86	Protein surface recognition using geometrically pure Ru(II) tris(bipyridine) derivatives. <i>Chemical Communications</i> , 2011 , 47, 559-61	5.8	40
85	Macrocyclic scaffolds derived from p-aminobenzoic acid. <i>Chemical Communications</i> , 2007 , 2240-2	5.8	40
84	Microwave assisted solid phase synthesis of highly functionalized N-alkylated oligobenzamide α -helix mimetics. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 4034-40	3.4	37

83	Chiral Amplification in the Transcription of Supramolecular Helicity into a Polymer Backbone. <i>Angewandte Chemie</i> , 2005 , 117, 2315-2319	3.6	36
82	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16688-16692	16.4	36
81	Molecular insights into the surface-catalyzed secondary nucleation of amyloid- β A by the peptide fragment A β . <i>Science Advances</i> , 2019 , 5, eaav8216	14.3	34
80	Solid-phase methodology for synthesis of O-alkylated aromatic oligoamide inhibitors of β -helix-mediated protein-protein interactions. <i>Chemistry - A European Journal</i> , 2013 , 19, 5546-50	4.8	34
79	Predicting and Experimentally Validating Hot-Spot Residues at Protein-Protein Interfaces. <i>ACS Chemical Biology</i> , 2019 , 14, 2252-2263	4.9	33
78	Selective protein-surface sensing using ruthenium(II) tris(bipyridine) complexes. <i>Chemistry - A European Journal</i> , 2010 , 16, 100-3	4.8	33
77	Hydrogen-bonded supramolecular polyurethanes. <i>Polymer International</i> , 2015 , 64, 165-173	3.3	32
76	Recognition of solvent exposed protein surfaces using anthracene derived receptors. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 276-85	3.9	32
75	Substituent control over dimerization affinity of triply hydrogen bonded heterodimers. <i>Organic Letters</i> , 2011 , 13, 240-3	6.2	30
74	Inter-domain dynamics in the chaperone SurA and multi-site binding to its outer membrane protein clients. <i>Nature Communications</i> , 2020 , 11, 2155	17.4	28
73	Exploration of the HIF-1 β p300 interface using peptide and Adhiron phage display technologies. <i>Molecular BioSystems</i> , 2015 , 11, 2738-49		27
72	Conformer independent heterodimerisation of linear arrays using three hydrogen bonds. <i>Chemical Communications</i> , 2008 , 344-6	5.8	26
71	coiled-coil peptides as scaffolds for disrupting protein-protein interactions. <i>Chemical Science</i> , 2018 , 9, 7656-7665	9.4	24
70	Side-Chain Supramolecular Polymers Employing Conformer Independent Triple Hydrogen Bonding Arrays. <i>Macromolecules</i> , 2013 , 46, 9634-9641	5.5	24
69	Conformer-independent ureidoimidazole motifs--tools to probe conformational and tautomeric effects on the molecular recognition of triply hydrogen-bonded heterodimers. <i>Chemistry - A European Journal</i> , 2011 , 17, 14508-17	4.8	24
68	Development of solvent-free synthesis of hydrogen-bonded supramolecular polyurethanes. <i>Chemical Science</i> , 2015 , 6, 2382-2388	9.4	23
67	Metal complexes as "protein surface mimetics". <i>Chemical Communications</i> , 2016 , 52, 9745-56	5.8	23
66	Analysis of amyloid nanostructures using photo-cross-linking: in situ comparison of three widely used photo-cross-linkers. <i>ACS Chemical Biology</i> , 2014 , 9, 761-8	4.9	23

65	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. <i>Angewandte Chemie</i> , 2015 , 127, 3003-3008	3.6	23
64	Aromatic Oligoamide Foldamers with a Wet Edge as Inhibitors of the α -Helix-Mediated p53/hDM2 Protein-Protein Interaction. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3504-3512	3.2	23
63	Linear shear and nonlinear extensional rheology of unentangled supramolecular side-chain polymers. <i>Journal of Rheology</i> , 2018 , 62, 1155-1174	4.1	22
62	Orthogonal functionalisation of α -helix mimetics. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 6794-9	3.9	22
61	Inhibition of the p53/hDM2 protein-protein interaction by cyclometallated iridium(III) compounds. <i>Oncotarget</i> , 2016 , 7, 13965-75	3.3	22
60	Helix mimetics: Recent developments. <i>Progress in Biophysics and Molecular Biology</i> , 2015 , 119, 33-40	4.7	20
59	Selectivity via Cooperativity: Preferential Stabilization of the p65/14-3-3 Interaction with Semisynthetic Natural Products. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11772-11783	16.4	20
58	Conformational properties of O-alkylated benzamides. <i>Tetrahedron</i> , 2012 , 68, 4485-4491	2.4	20
57	An Impossible Macrocyclisation using conformation directing protecting groups. <i>Tetrahedron Letters</i> , 2009 , 50, 2236-2238	2	20
56	Covalent cross-linking within supramolecular peptide structures. <i>Analytical Chemistry</i> , 2012 , 84, 6790-7	7.8	19
55	Design, synthesis and binding studies of a novel quadruple ADDA hydrogen-bond array. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 4899-906	3.9	19
54	Hypoxia inducible factor (HIF) as a model for studying inhibition of protein-protein interactions. <i>Chemical Science</i> , 2017 , 8, 4188-4202	9.4	18
53	BAlaS: fast, interactive and accessible computational alanine-scanning using BudeAlaScan. <i>Bioinformatics</i> , 2020 , 36, 2917-2919	7.2	17
52	Towards "bionic" proteins: replacement of continuous sequences from HIF-1 α with proteomimetics to create functional p300 binding HIF-1 α mimics. <i>Chemical Communications</i> , 2016 , 52, 5421-4	5.8	16
51	Design, synthesis and binding properties of conformer-independent linear ADA hydrogen-bonding arrays. <i>Supramolecular Chemistry</i> , 2009 , 21, 12-17	1.8	16
50	Trifluoromethyl diazirine: an effective photo-induced cross-linking probe for exploring amyloid formation. <i>Chemical Communications</i> , 2008 , 5728-30	5.8	16
49	Multivalent helix mimetics for PPI-inhibition. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 258-64	3.9	14
48	Protein destabilisation by ruthenium(II) tris-bipyridine based protein-surface mimetics. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 2206-12	3.9	14

47	Protein sensing and discrimination using highly functionalised ruthenium(ii) tris(bipyridyl) protein surface mimetics in an array format. <i>Chemical Communications</i> , 2017 , 53, 12278-12281	5.8	13
46	Protein Surface Mimetics: Understanding How Ruthenium Tris(Bipyridines) Interact with Proteins. <i>ChemBioChem</i> , 2017 , 18, 223-231	3.8	13
45	The use of electrospray mass spectrometry to determine speciation in a dynamic combinatorial library for anion recognition. <i>Chemistry - A European Journal</i> , 2012 , 18, 13733-42	4.8	13
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	3.7	13
43	Enhanced Suppression of a Protein-Protein Interaction in Cells Using Small-Molecule Covalent Inhibitors Based on an -Acyl--alkyl Sulfonamide Warhead. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4766-4774	16.4	13
42	Synthesis of highly functionalized oligobenzamide proteomimetic foldamers by late stage introduction of sensitive groups. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 3782-6	3.9	13
41	An α -Helix-Mimicking 12,13-Helix: Designed α -Foldamers as Selective Inhibitors of Protein-Protein Interactions. <i>Angewandte Chemie</i> , 2016 , 128, 11262-11266	3.6	13
40	Supramolecular Self-Sorting Networks using Hydrogen-Bonding Motifs. <i>Chemistry - A European Journal</i> , 2019 , 25, 785-795	4.8	13
39	Interfacing native and non-native peptides: using Affimers to recognise α -helix mimicking foldamers. <i>Chemical Communications</i> , 2017 , 53, 2834-2837	5.8	11
38	Peptide-based inhibitors of protein-protein interactions: biophysical, structural and cellular consequences of introducing a constraint. <i>Chemical Science</i> , 2021 , 12, 5977-5993	9.4	11
37	A catalytic protein-proteomimetic complex: using aromatic oligoamide foldamers as activators of RNase S. <i>Chemical Science</i> , 2019 , 10, 3956-3962	9.4	10
36	Control of conformation in α -helix mimicking aromatic oligoamide foldamers through interactions between adjacent side-chains. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 3861-3867	3.9	8
35	Synthesis of Oligobenzamide α -Helix Mimetics. <i>Synlett</i> , 2014 , 25, 324-335	2.2	7
34	Modulation of Amyloidogenic Protein Self-Assembly Using Tethered Small Molecules. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20845-20854	16.4	7
33	Activity-Directed Synthesis of Inhibitors of the p53/hDM2 Protein-Protein Interaction. <i>Chemistry - A European Journal</i> , 2020 , 26, 10682-10689	4.8	6
32	Cellular uptake of highly-functionalized ruthenium(II) tris-bipyridine protein-surface mimetics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 985-8	2.9	6
31	Electronic substituent effects on hydrogen-bonding motifs modulate supramolecular polymerisation. <i>RSC Advances</i> , 2013 , 3, 3103	3.7	6
30	Ditopic triply hydrogen-bonded heterodimers. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5938-40	3.9	6

29	Supramolecular chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2008 , 104, 164	6
28	Photocatalytic proximity labelling of MCL-1 by a BH3 ligand. <i>Communications Chemistry</i> , 2019 , 2, 133	6.3 6
27	The Leishmania PABP1-eIF4E4 interface: a novel 5'-3' interaction architecture for trans-spliced mRNAs. <i>Nucleic Acids Research</i> , 2019 , 47, 1493-1504	20.1 6
26	Recognition of ASF1 by Using Hydrocarbon-Constrained Peptides. <i>ChemBioChem</i> , 2019 , 20, 891-895	3.8 6
25	Stapled Peptides as HIF-1 α p300 Inhibitors: Helicity Enhancement in the Bound State Increases Inhibitory Potency. <i>Chemistry - A European Journal</i> , 2020 , 26, 7638-7646	4.8 6
24	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. <i>Angewandte Chemie</i> , 2018 , 130, 16930-16934	3.6 6
23	Targeting trimeric transmembrane domain 5 of oncogenic latent membrane protein 1 using a computationally designed peptide. <i>Chemical Science</i> , 2019 , 10, 7584-7590	9.4 5
22	Design, synthesis and conformational analyses of bifacial benzamide based foldamers. <i>RSC Advances</i> , 2015 , 5, 104187-104192	3.7 5
21	Expedient synthesis of benzene tricarboxamide macrocycles derived from p-aminobenzoic acid. <i>Tetrahedron Letters</i> , 2010 , 51, 1361-1363	2 5
20	Supramolecular chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2007 , 103, 174	5
19	Design and synthesis of cysteine-specific labels for photo-crosslinking studies.. <i>RSC Advances</i> , 2019 , 9, 7610-7614	3.7 4
18	Solid-state structures of ureidoimidazoles. <i>Supramolecular Chemistry</i> , 2011 , 23, 470-479	1.8 4
17	Supramolecular chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2006 , 102, 148	4
16	Selective Affimers Recognise the BCL-2 Family Proteins BCL-x and MCL-1 through Noncanonical Structural Motifs*. <i>ChemBioChem</i> , 2021 , 22, 232-240	3.8 4
15	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. <i>ChemBioChem</i> , 2016 , 17, 768-73	3.8 3
14	Generation of Dynamic Combinatorial Libraries Using Hydrazone-Functionalized Surface Mimetics. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1872-1879	3.2 2
13	Structural optimization of reversible dibromomaleimide peptide stapling.. <i>Peptide Science</i> , 2021 , 113, e24157	3 2
12	Structural insights into peptide self-assembly using photo-induced crosslinking experiments and discontinuous molecular dynamics. <i>AICHE Journal</i> , 2021 , 67, e17101	3.6 2

11	Identification of β -strand mediated protein-protein interaction inhibitors using ligand-directed fragment ligation. <i>Chemical Science</i> , 2021 , 12, 2286-2293	9.4	2
10	A pH-Switchable Triple Hydrogen-Bonding Motif. <i>ChemistryOpen</i> , 2020 , 9, 40-44	2.3	2
9	Assembly of miscible supramolecular network blends using DDA \square AAD hydrogen-bonding interactions of pendent side-chains. <i>Polymer Chemistry</i> , 2020 , 11, 3593-3604	4.9	1
8	Targeting the transmembrane domain 5 of latent membrane protein 1 using small molecule modulators. <i>European Journal of Medicinal Chemistry</i> , 2021 , 214, 113210	6.8	1
7	Query-guided protein-protein interaction inhibitor discovery. <i>Chemical Science</i> , 2021 , 12, 4753-4762	9.4	1
6	Towards optimizing peptide-based inhibitors of protein-protein interactions: predictive saturation variation scanning (PreSaVS). <i>RSC Chemical Biology</i> , 2021 , 2, 1474-1478	3	1
5	Understanding the interaction of 14-3-3 proteins with hDMX and hDM2: a structural and biophysical study.. <i>FEBS Journal</i> , 2022 ,	5.7	1
4	Towards identification of protein-protein interaction stabilizers via inhibitory peptide-fragment hybrids using templated fragment ligation. <i>RSC Chemical Biology</i> ,	3	0
3	In celebration of the 60th birthday of Professor Andrew D. Hamilton FRS. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 6236-41	3.9	
2	Highlights from the 41st EUCHM Conference on Stereochemistry, Bregenstock, Switzerland, April 2006. <i>Chemical Communications</i> , 2006 , 3269-3272	5.8	
1	Synthesis of peptidomimetic scaffolds 2013 , 74-89		