Andrew J. Wilson

List of Publications by Year in Descending Order

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	Understanding the interaction of 14-3-3 proteins with hDMX and hDM2: a structural and biophysical study.. *FEBS Journal*, **2022**,	5.7	1
117	Targeting the transmembrane domain 5 of latent membrane protein 1 using small molecule modulators. *European Journal of Medicinal Chemistry*, **2021**, 214, 113210	6.8	1
116	Enhanced Suppression of a Protein-Protein Interaction in Cells Using Small-Molecule Covalent Inhibitors Based on an -Acyl--alkyl Sulfonamide Warhead. *Journal of the American Chemical Society*, **2021**, 143, 4766-4774	16.4	13
115	Structural optimization of reversible dibromomaleimide peptide stapling.. *Peptide Science*, **2021**, 113, e24157	3	2
114	Visualizing and trapping transient oligomers in amyloid assembly pathways. *Biophysical Chemistry*, **2021**, 268, 106505	3.5	42
113	Structural insights into peptide self-assembly using photo-induced crosslinking experiments and discontinuous molecular dynamics. *AICHE Journal*, **2021**, 67, e17101	3.6	2
112	Selective Affimers Recognise the BCL-2 Family Proteins BCL-x and MCL-1 through Noncanonical Structural Motifs*. *ChemBioChem*, **2021**, 22, 232-240	3.8	4
111	Query-guided protein-protein interaction inhibitor discovery. *Chemical Science*, **2021**, 12, 4753-4762	9.4	1
110	Peptide-based inhibitors of protein-protein interactions: biophysical, structural and cellular consequences of introducing a constraint. *Chemical Science*, **2021**, 12, 5977-5993	9.4	11
109	Towards optimizing peptide-based inhibitors of protein-protein interactions: predictive saturation variation scanning (PreSaVS). *RSC Chemical Biology*, **2021**, 2, 1474-1478	3	1
108	Identification of β-strand mediated protein-protein interaction inhibitors using ligand-directed fragment ligation. *Chemical Science*, **2021**, 12, 2286-2293	9.4	2
107	Assembly of miscible supramolecular network blends using DDA–AAD hydrogen-bonding interactions of pendent side-chains. *Polymer Chemistry*, **2020**, 11, 3593-3604	4.9	1
106	Activity-Directed Synthesis of Inhibitors of the p53/hDM2 Protein-Protein Interaction. *Chemistry - A European Journal*, **2020**, 26, 10682-10689	4.8	6
105	Selectivity via Cooperativity: Preferential Stabilization of the p65/14-3-3 Interaction with Semisynthetic Natural Products. *Journal of the American Chemical Society*, **2020**, 142, 11772-11783	16.4	20
104	BAlaS: fast, interactive and accessible computational alanine-scanning using BudeAlaScan. *Bioinformatics*, **2020**, 36, 2917-2919	7.2	17
103	Inter-domain dynamics in the chaperone SurA and multi-site binding to its outer membrane protein clients. *Nature Communications*, **2020**, 11, 2155	17.4	28
102	Modulation of Amyloidogenic Protein Self-Assembly Using Tethered Small Molecules. *Journal of the American Chemical Society*, **2020**, 142, 20845-20854	16.4	7

101	Stapled Peptides as HIF-1/p300 Inhibitors: Helicity Enhancement in the Bound State Increases Inhibitory Potency. *Chemistry - A European Journal*, **2020**, 26, 7638-7646	4.8	6
100	A pH-Switchable Triple Hydrogen-Bonding Motif. *ChemistryOpen*, **2020**, 9, 40-44	2.3	2
99	Predicting and Experimentally Validating Hot-Spot Residues at Protein-Protein Interfaces. *ACS Chemical Biology*, **2019**, 14, 2252-2263	4.9	33
98	Thermodynamic phase diagram of amyloid-(16-22) peptide. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2091-2096	11.5	40
97	Molecular insights into the surface-catalyzed secondary nucleation of amyloid-(A) by the peptide fragment A *Science Advances*, **2019**, 5, eaav8216	14.3	34
96	Design and synthesis of cysteine-specific labels for photo-crosslinking studies.. *RSC Advances*, **2019**, 9, 7610-7614	3.7	4
95	Control of conformation in helix mimicking aromatic oligoamide foldamers through interactions between adjacent side-chains. *Organic and Biomolecular Chemistry*, **2019**, 17, 3861-3867	3.9	8
94	Targeting trimeric transmembrane domain 5 of oncogenic latent membrane protein 1 using a computationally designed peptide. *Chemical Science*, **2019**, 10, 7584-7590	9.4	5
93	A catalytic protein-proteomimetic complex: using aromatic oligoamide foldamers as activators of RNase S. *Chemical Science*, **2019**, 10, 3956-3962	9.4	10
92	Photocatalytic proximity labelling of MCL-1 by a BH3 ligand. *Communications Chemistry*, **2019**, 2, 133	6.3	6
91	The Leishmania PABP1-eIF4E4 interface: a novel 5'-3' interaction architecture for trans-spliced mRNAs. *Nucleic Acids Research*, **2019**, 47, 1493-1504	20.1	6
90	Recognition of ASF1 by Using Hydrocarbon-Constrained Peptides. *ChemBioChem*, **2019**, 20, 891-895	3.8	6
89	Supramolecular Self-Sorting Networks using Hydrogen-Bonding Motifs. *Chemistry - A European Journal*, **2019**, 25, 785-795	4.8	13
88	Generation of Dynamic Combinatorial Libraries Using Hydrazone-Functionalized Surface Mimetics. *European Journal of Organic Chemistry*, **2018**, 2018, 1872-1879	3.2	2
87	Modulators of 14-3-3 Protein-Protein Interactions. *Journal of Medicinal Chemistry*, **2018**, 61, 3755-3778	8.3	121
86	coiled-coil peptides as scaffolds for disrupting protein-protein interactions. *Chemical Science*, **2018**, 9, 7656-7665	9.4	24
85	Linear shear and nonlinear extensional rheology of unentangled supramolecular side-chain polymers. *Journal of Rheology*, **2018**, 62, 1155-1174	4.1	22
84	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. *Angewandte Chemie - International Edition*, **2018**, 57, 16688-16692	16.4	36

83	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. *Angewandte Chemie*, **2018**, 130, 16930-16934	3.6	6
82	Interfacing native and non-native peptides: using Affimers to recognise α-helix mimicking foldamers. *Chemical Communications*, **2017**, 53, 2834-2837	5.8	11
81	Hypoxia inducible factor (HIF) as a model for studying inhibition of protein-protein interactions. *Chemical Science*, **2017**, 8, 4188-4202	9.4	18
80	Double quick, double click reversible peptide "stapling". *Chemical Science*, **2017**, 8, 5166-5171	9.4	53
79	Protein sensing and discrimination using highly functionalised ruthenium(ii) tris(bipyridyl) protein surface mimetics in an array format. *Chemical Communications*, **2017**, 53, 12278-12281	5.8	13
78	Protein Surface Mimetics: Understanding How Ruthenium Tris(Bipyridines) Interact with Proteins. *ChemBioChem*, **2017**, 18, 223-231	3.8	13
77	Metal complexes as "protein surface mimetics". *Chemical Communications*, **2016**, 52, 9745-56	5.8	23
76	Towards "bionic" proteins: replacement of continuous sequences from HIF-1α with proteomimetics to create functional p300 binding HIF-1α mimics. *Chemical Communications*, **2016**, 52, 5421-4	5.8	16
75	Hydrocarbon constrained peptides - understanding preorganisation and binding affinity. *Chemical Science*, **2016**, 7, 3694-3702	9.4	53
74	Inhibition of the p53/hDM2 protein-protein interaction by cyclometallated iridium(III) compounds. *Oncotarget*, **2016**, 7, 13965-75	3.3	22
73	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. *ChemBioChem*, **2016**, 17, 768-73	3.8	3
72	Synthesis of highly functionalized oligobenzamide proteomimetic foldamers by late stage introduction of sensitive groups. *Organic and Biomolecular Chemistry*, **2016**, 14, 3782-6	3.9	13
71	An α-Helix-Mimicking 12,13-Helix: Designed α/β-Foldamers as Selective Inhibitors of Protein–Protein Interactions. *Angewandte Chemie*, **2016**, 128, 11262-11266	3.6	13
70	An α-Helix-Mimicking 12,13-Helix: Designed α/β-Foldamers as Selective Inhibitors of Protein-Protein Interactions. *Angewandte Chemie - International Edition*, **2016**, 55, 11096-100	16.4	45
69	Helix mimetics: Recent developments. *Progress in Biophysics and Molecular Biology*, **2015**, 119, 33-40	4.7	20
68	Exploration of the HIF-1α/p300 interface using peptide and Adhiron phage display technologies. *Molecular BioSystems*, **2015**, 11, 2738-49		27
67	Development of solvent-free synthesis of hydrogen-bonded supramolecular polyurethanes. *Chemical Science*, **2015**, 6, 2382-2388	9.4	23
66	Hydrogen-bonded supramolecular polyurethanes. *Polymer International*, **2015**, 64, 165-173	3.3	32

65	Multivalent helix mimetics for PPI-inhibition. *Organic and Biomolecular Chemistry*, **2015**, 13, 258-64	3.9	14
64	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. *Angewandte Chemie*, **2015**, 127, 3003-3008	3.6	23
63	Design, synthesis and conformational analyses of bifacial benzamide based foldamers. *RSC Advances*, **2015**, 5, 104187-104192	3.7	5
62	Selective and potent proteomimetic inhibitors of intracellular protein-protein interactions. *Angewandte Chemie - International Edition*, **2015**, 54, 2960-5	16.4	70
61	Stereocontrolled protein surface recognition using chiral oligoamide proteomimetic foldamers. *Chemical Science*, **2015**, 6, 2434-2443	9.4	52
60	Orthogonal functionalisation of α-helix mimetics. *Organic and Biomolecular Chemistry*, **2014**, 12, 6794-9	3.9	22
59	Analysis of amyloid nanostructures using photo-cross-linking: in situ comparison of three widely used photo-cross-linkers. *ACS Chemical Biology*, **2014**, 9, 761-8	4.9	23
58	Synthesis of Oligobenzamide α-Helix Mimetics. *Synlett*, **2014**, 25, 324-335	2.2	7
57	Small-molecule proteomimetic inhibitors of the HIF-1α–p300 protein-protein interaction. *ChemBioChem*, **2014**, 15, 1083-7	3.8	52
56	In celebration of the 60th birthday of Professor Andrew D. Hamilton FRS. *Organic and Biomolecular Chemistry*, **2013**, 11, 6236-41	3.9	
55	Monosubstituted alkenyl amino acids for peptide "stapling". *Chemical Communications*, **2013**, 49, 9131-3	5.8	43
54	Electronic substituent effects on hydrogen-bonding motifs modulate supramolecular polymerisation. *RSC Advances*, **2013**, 3, 3103	3.7	6
53	Sequential and phototriggered supramolecular self-sorting cascades using hydrogen-bonded motifs. *Chemical Science*, **2013**, 4, 1825	9.4	41
52	Microwave assisted solid phase synthesis of highly functionalized N-alkylated oligobenzamide α-helix mimetics. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 4034-40	3.4	37
51	Protein destabilisation by ruthenium(II) tris-bipyridine based protein-surface mimetics. *Organic and Biomolecular Chemistry*, **2013**, 11, 2206-12	3.9	14
50	Inhibition of α-helix-mediated protein-protein interactions using designed molecules. *Nature Chemistry*, **2013**, 5, 161-73	17.6	563
49	Photo-induced covalent cross-linking for the analysis of biomolecular interactions. *Chemical Society Reviews*, **2013**, 42, 3289-301	58.5	128
48	Solid-phase methodology for synthesis of O-alkylated aromatic oligoamide inhibitors of α-helix-mediated protein-protein interactions. *Chemistry - A European Journal*, **2013**, 19, 5546-50	4.8	34

47	Aromatic Oligoamide Foldamers with a Wet Edge as Inhibitors of the Helix-Mediated p53HDM2 ProteinProtein Interaction. *European Journal of Organic Chemistry*, **2013**, 2013, 3504-3512	3.2	23
46	Side-Chain Supramolecular Polymers Employing Conformer Independent Triple Hydrogen Bonding Arrays. *Macromolecules*, **2013**, 46, 9634-9641	5.5	24
45	Synthesis of peptidomimetic scaffolds **2013**, 74-89		
44	Cellular uptake of highly-functionalized ruthenium(II) tris-bipyridine protein-surface mimetics. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 985-8	2.9	6
43	Conformational properties of O-alkylated benzamides. *Tetrahedron*, **2012**, 68, 4485-4491	2.4	20
42	2-O-alkylated para-benzamide helix mimetics: the role of scaffold curvature. *Organic and Biomolecular Chemistry*, **2012**, 10, 6469-72	3.9	42
41	Covalent cross-linking within supramolecular peptide structures. *Analytical Chemistry*, **2012**, 84, 6790-7	7.8	19
40	Tunable Self-Assembled Elastomers Using Triply Hydrogen-Bonded Arrays. *Macromolecules*, **2012**, 45, 4723-4729	5.5	44
39	The use of electrospray mass spectrometry to determine speciation in a dynamic combinatorial library for anion recognition. *Chemistry - A European Journal*, **2012**, 18, 13733-42	4.8	13
38	Design, synthesis and binding studies of a novel quadruple ADDA hydrogen-bond array. *Organic and Biomolecular Chemistry*, **2012**, 10, 4899-906	3.9	19
37	Modeling of arylamide helix mimetics in the p53 peptide binding site of hDM2 suggests parallel and anti-parallel conformations are both stable. *PLoS ONE*, **2012**, 7, e43253	3.7	13
36	Substituent control over dimerization affinity of triply hydrogen bonded heterodimers. *Organic Letters*, **2011**, 13, 240-3	6.2	30
35	Solid-state structures of ureidoimidazoles. *Supramolecular Chemistry*, **2011**, 23, 470-479	1.8	4
34	Ditopic triply hydrogen-bonded heterodimers. *Organic and Biomolecular Chemistry*, **2011**, 9, 5938-40	3.9	6
33	Helix-mediated protein--protein interactions as targets for intervention using foldamers. *Amino Acids*, **2011**, 41, 743-54	3.5	62
32	Conformer-independent ureidoimidazole motifs--tools to probe conformational and tautomeric effects on the molecular recognition of triply hydrogen-bonded heterodimers. *Chemistry - A European Journal*, **2011**, 17, 14508-17	4.8	24
31	Protein surface recognition using geometrically pure Ru(II) tris(bipyridine) derivatives. *Chemical Communications*, **2011**, 47, 559-61	5.8	40
30	N-alkylated oligoamide alpha-helical proteomimetics. *Organic and Biomolecular Chemistry*, **2010**, 8, 2344-51	3.9	74

29	Selective protein-surface sensing using ruthenium(II) tris(bipyridine) complexes. *Chemistry - A European Journal*, **2010**, 16, 100-3	4.8	33
28	Expedient synthesis of benzene tricarboxamide macrocycles derived from p-aminobenzoic acid. *Tetrahedron Letters*, **2010**, 51, 1361-1363	2	5
27	Design, synthesis and binding properties of conformer-independent linear ADA hydrogen-bonding arrays. *Supramolecular Chemistry*, **2009**, 21, 12-17	1.8	16
26	An 'impossible' macrocyclisation using conformation directing protecting groups. *Tetrahedron Letters*, **2009**, 50, 2236-2238	2	20
25	Inhibition of protein-protein interactions using designed molecules. *Chemical Society Reviews*, **2009**, 38, 3289-300	58.5	206
24	Oligobenzamide proteomimetic inhibitors of the p53-hDM2 protein-protein interaction. *Chemical Communications*, **2009**, 5091-3	5.8	113
23	Synthesis of functionalised aromatic oligamide rods. *Organic and Biomolecular Chemistry*, **2008**, 6, 138-46	3.9	53
22	Trifluoromethyldiazirine: an effective photo-induced cross-linking probe for exploring amyloid formation. *Chemical Communications*, **2008**, 5728-30	5.8	16
21	Conformer independent heterodimerisation of linear arrays using three hydrogen bonds. *Chemical Communications*, **2008**, 344-6	5.8	26
20	Supramolecular chemistry. *Annual Reports on the Progress of Chemistry Section B*, **2008**, 104, 164		6
19	Macrocyclic scaffolds derived from p-aminobenzoic acid. *Chemical Communications*, **2007**, 2240-2	5.8	40
18	Supramolecular chemistry. *Annual Reports on the Progress of Chemistry Section B*, **2007**, 103, 174		5
17	Recognition of solvent exposed protein surfaces using anthracene derived receptors. *Organic and Biomolecular Chemistry*, **2007**, 5, 276-85	3.9	32
16	Non-covalent polymer assembly using arrays of hydrogen-bonds. *Soft Matter*, **2007**, 3, 409-425	3.6	194
15	Supramolecular chemistry. *Annual Reports on the Progress of Chemistry Section B*, **2006**, 102, 148		4
14	Highlights from the 41st EUCHEM Conference on Stereochemistry, Bürgenstock, Switzerland, April 2006. *Chemical Communications*, **2006**, 3269-3272	5.8	
13	Amplification of chirality in benzene tricarboxamide helical supramolecular polymers. *Chemical Communications*, **2006**, 4404-6	5.8	64
12	Pattern recognition of proteins based on an array of functionalized porphyrins. *Journal of the American Chemical Society*, **2006**, 128, 2421-5	16.4	199

11	Chiral amplification in the transcription of supramolecular helicity into a polymer backbone. *Angewandte Chemie - International Edition*, **2005**, 44, 2275-9	16.4	130
10	Chiral Amplification in the Transcription of Supramolecular Helicity into a Polymer Backbone. *Angewandte Chemie*, **2005**, 117, 2315-2319	3.6	36
9	The mechanism of formation of amide-based interlocked compounds: prediction of a new rotaxane-forming motif. *Chemistry - A European Journal*, **2004**, 10, 4960-9	4.8	49
8	Pattern-based detection of different proteins using an array of fluorescent protein surface receptors. *Journal of the American Chemical Society*, **2004**, 126, 5656-7	16.4	146
7	Catalytic unfolding and proteolysis of cytochrome C induced by synthetic binding agents. *Journal of the American Chemical Society*, **2004**, 126, 12833-42	16.4	50
6	"Magic rod" rotaxanes: the hydrogen bond-directed synthesis of molecular shuttles under thermodynamic control. *Organic Letters*, **2003**, 5, 1907-10	6.2	67
5	Directed denaturation: room temperature and stoichiometric unfolding of cytochrome C by a metalloporphyrin dimer. *Journal of the American Chemical Society*, **2003**, 125, 4420-1	16.4	48
4	Benzylic Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. *Angewandte Chemie*, **2001**, 113, 1586-1591	3.6	76
3	Benzylic Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. *Angewandte Chemie - International Edition*, **2001**, 40, 1538-1543	16.4	177
2	Organic 'Magic Rings': The Hydrogen Bond-Directed Assembly of Catenanes under Thermodynamic Control. *Journal of the American Chemical Society*, **1999**, 121, 1599-1600	16.4	164
1	Towards identification of protein–protein interaction stabilizers via inhibitory peptide-fragment hybrids using templated fragment ligation. *RSC Chemical Biology*,	3	0