

# Andrew J Wilson

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

4,456  
citations

36  
h-index

64  
g-index

121  
ext. papers

4,942  
ext. citations

7.5  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
110	Inhibition of Helix-mediated protein-protein interactions using designed molecules. <i>Nature Chemistry</i> , <b>2013</b> , 5, 161-73	17.6	563
109	Inhibition of protein-protein interactions using designed molecules. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 3289-300	58.5	206
108	Pattern recognition of proteins based on an array of functionalized porphyrins. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2421-5	16.4	199
107	Non-covalent polymer assembly using arrays of hydrogen-bonds. <i>Soft Matter</i> , <b>2007</b> , 3, 409-425	3.6	194
106	Benzylic Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1538-1543	16.4	177
105	Organic Magic Rings – The Hydrogen Bond-Directed Assembly of Catenanes under Thermodynamic Control. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 1599-1600	16.4	164
104	Pattern-based detection of different proteins using an array of fluorescent protein surface receptors. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 5656-7	16.4	146
103	Chiral amplification in the transcription of supramolecular helicity into a polymer backbone. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2275-9	16.4	130
102	Photo-induced covalent cross-linking for the analysis of biomolecular interactions. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 3289-301	58.5	128
101	Modulators of 14-3-3 Protein-Protein Interactions. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3755-3778	8.3	121
100	Oligobenzamide proteomimetic inhibitors of the p53-hDM2 protein-protein interaction. <i>Chemical Communications</i> , <b>2009</b> , 5091-3	5.8	113
99	Benzylic Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 1586-1591	3.6	76
98	N-alkylated oligoamide alpha-helical proteomimetics. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 2344-51	5.1	74
97	Selective and potent proteomimetic inhibitors of intracellular protein-protein interactions. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2960-5	16.4	70
96	"Magic rod" rotaxanes: the hydrogen bond-directed synthesis of molecular shuttles under thermodynamic control. <i>Organic Letters</i> , <b>2003</b> , 5, 1907-10	6.2	67
95	Amplification of chirality in benzene tricarboxamide helical supramolecular polymers. <i>Chemical Communications</i> , <b>2006</b> , 4404-6	5.8	64
94	Helix-mediated protein-protein interactions as targets for intervention using foldamers. <i>Amino Acids</i> , <b>2011</b> , 41, 743-54	3.5	62

93	Double quick, double click reversible peptide "stapling". <i>Chemical Science</i> , <b>2017</b> , 8, 5166-5171	9.4	53
92	Hydrocarbon constrained peptides - understanding preorganisation and binding affinity. <i>Chemical Science</i> , <b>2016</b> , 7, 3694-3702	9.4	53
91	Synthesis of functionalised aromatic oligamide rods. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 138-46.9	9.9	53
90	Stereocontrolled protein surface recognition using chiral oligoamide proteomimetic foldamers. <i>Chemical Science</i> , <b>2015</b> , 6, 2434-2443	9.4	52
89	Small-molecule proteomimetic inhibitors of the HIF-1 $\beta$ 300 protein-protein interaction. <i>ChemBioChem</i> , <b>2014</b> , 15, 1083-7	3.8	52
88	Catalytic unfolding and proteolysis of cytochrome C induced by synthetic binding agents. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 12833-42	16.4	50
87	The mechanism of formation of amide-based interlocked compounds: prediction of a new rotaxane-forming motif. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 4960-9	4.8	49
86	Directed denaturation: room temperature and stoichiometric unfolding of cytochrome C by a metalloporphyrin dimer. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4420-1	16.4	48
85	An $\beta$ -Helix-Mimicking 12,13-Helix: Designed $\beta$ -Foldamers as Selective Inhibitors of Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11096-100	16.4	45
84	Tunable Self-Assembled Elastomers Using Triply Hydrogen-Bonded Arrays. <i>Macromolecules</i> , <b>2012</b> , 45, 4723-4729	5.5	44
83	Monosubstituted alkenyl amino acids for peptide "stapling". <i>Chemical Communications</i> , <b>2013</b> , 49, 9131-35.8	35.8	43
82	2-O-alkylated para-benzamide $\beta$ -helix mimetics: the role of scaffold curvature. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 6469-72	3.9	42
81	Visualizing and trapping transient oligomers in amyloid assembly pathways. <i>Biophysical Chemistry</i> , <b>2021</b> , 268, 106505	3.5	42
80	Sequential and phototriggered supramolecular self-sorting cascades using hydrogen-bonded motifs. <i>Chemical Science</i> , <b>2013</b> , 4, 1825	9.4	41
79	Thermodynamic phase diagram of amyloid- $\beta$ (16-22) peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2091-2096	11.5	40
78	Protein surface recognition using geometrically pure Ru(II) tris(bipyridine) derivatives. <i>Chemical Communications</i> , <b>2011</b> , 47, 559-61	5.8	40
77	Macrocyclic scaffolds derived from p-aminobenzoic acid. <i>Chemical Communications</i> , <b>2007</b> , 2240-2	5.8	40
76	Microwave assisted solid phase synthesis of highly functionalized N-alkylated oligobenzamide $\beta$ -helix mimetics. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 4034-40	3.4	37

75	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16688-16692	16.4	36
74	Molecular insights into the surface-catalyzed secondary nucleation of amyloid- $\beta$ by the peptide fragment A $\beta$ <i>Science Advances</i> , <b>2019</b> , 5, eaav8216	14.3	34
73	Solid-phase methodology for synthesis of O-alkylated aromatic oligoamide inhibitors of Helix-mediated protein-protein interactions. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 5546-50	4.8	34
72	Predicting and Experimentally Validating Hot-Spot Residues at Protein-Protein Interfaces. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 2252-2263	4.9	33
71	Selective protein-surface sensing using ruthenium(II) tris(bipyridine) complexes. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 100-3	4.8	33
70	Hydrogen-bonded supramolecular polyurethanes. <i>Polymer International</i> , <b>2015</b> , 64, 165-173	3.3	32
69	Recognition of solvent exposed protein surfaces using anthracene derived receptors. <i>Organic and Biomolecular Chemistry</i> , <b>2007</b> , 5, 276-85	3.9	32
68	Substituent control over dimerization affinity of triply hydrogen bonded heterodimers. <i>Organic Letters</i> , <b>2011</b> , 13, 240-3	6.2	30
67	Inter-domain dynamics in the chaperone SurA and multi-site binding to its outer membrane protein clients. <i>Nature Communications</i> , <b>2020</b> , 11, 2155	17.4	28
66	Exploration of the HIF-1 $\alpha$ /p300 interface using peptide and Adhiron phage display technologies. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 2738-49		27
65	Conformer independent heterodimerisation of linear arrays using three hydrogen bonds. <i>Chemical Communications</i> , <b>2008</b> , 344-6	5.8	26
64	coiled-coil peptides as scaffolds for disrupting protein-protein interactions. <i>Chemical Science</i> , <b>2018</b> , 9, 7656-7665	9.4	24
63	Side-Chain Supramolecular Polymers Employing Conformer Independent Triple Hydrogen Bonding Arrays. <i>Macromolecules</i> , <b>2013</b> , 46, 9634-9641	5.5	24
62	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> , <b>2011</b> , 17, 14508-17	4.8	24
61	Development of solvent-free synthesis of hydrogen-bonded supramolecular polyurethanes. <i>Chemical Science</i> , <b>2015</b> , 6, 2382-2388	9.4	23
60	Metal complexes as "protein surface mimetics". <i>Chemical Communications</i> , <b>2016</b> , 52, 9745-56	5.8	23
59	Analysis of amyloid nanostructures using photo-cross-linking: in situ comparison of three widely used photo-cross-linkers. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 761-8	4.9	23
58	Selective and Potent Proteomimetic Inhibitors of Intracellular Protein-Protein Interactions. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3003-3008	3.6	23

57	Aromatic Oligoamide Foldamers with a Wet Edge as Inhibitors of the Helix-Mediated p53/hDM2 Protein-Protein Interaction. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 3504-3512	3.2	23
56	Linear shear and nonlinear extensional rheology of unentangled supramolecular side-chain polymers. <i>Journal of Rheology</i> , <b>2018</b> , 62, 1155-1174	4.1	22
55	Orthogonal functionalisation of Helix mimetics. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 6794-9	3.9	22
54	Inhibition of the p53/hDM2 protein-protein interaction by cyclometallated iridium(III) compounds. <i>Oncotarget</i> , <b>2016</b> , 7, 13965-75	3.3	22
53	Helix mimetics: Recent developments. <i>Progress in Biophysics and Molecular Biology</i> , <b>2015</b> , 119, 33-40	4.7	20
52	Conformational properties of O-alkylated benzamides. <i>Tetrahedron</i> , <b>2012</b> , 68, 4485-4491	2.4	20
51	An Impossible Macrocyclisation using conformation directing protecting groups. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 2236-2238	2	20
50	Covalent cross-linking within supramolecular peptide structures. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6790-7	7.8	19
49	Design, synthesis and binding studies of a novel quadruple ADDA hydrogen-bond array. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 4899-906	3.9	19
48	Hypoxia inducible factor (HIF) as a model for studying inhibition of protein-protein interactions. <i>Chemical Science</i> , <b>2017</b> , 8, 4188-4202	9.4	18
47	BAlaS: fast, interactive and accessible computational alanine-scanning using BudeAlaScan. <i>Bioinformatics</i> , <b>2020</b> , 36, 2917-2919	7.2	17
46	Towards "bionic" proteins: replacement of continuous sequences from HIF-1 $\alpha$ with proteomimetics to create functional p300 binding HIF-1 $\alpha$ mimics. <i>Chemical Communications</i> , <b>2016</b> , 52, 5421-4	5.8	16
45	Design, synthesis and binding properties of conformer-independent linear ADA hydrogen-bonding arrays. <i>Supramolecular Chemistry</i> , <b>2009</b> , 21, 12-17	1.8	16
44	Trifluoromethyldiazirine: an effective photo-induced cross-linking probe for exploring amyloid formation. <i>Chemical Communications</i> , <b>2008</b> , 5728-30	5.8	16
43	Multivalent helix mimetics for PPI-inhibition. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 258-64	3.9	14
42	Protein destabilisation by ruthenium(II) tris-bipyridine based protein-surface mimetics. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 2206-12	3.9	14
41	Protein sensing and discrimination using highly functionalised ruthenium(ii) tris(bipyridyl) protein surface mimetics in an array format. <i>Chemical Communications</i> , <b>2017</b> , 53, 12278-12281	5.8	13
40	Protein Surface Mimetics: Understanding How Ruthenium Tris(Bipyridines) Interact with Proteins. <i>ChemBioChem</i> , <b>2017</b> , 18, 223-231	3.8	13

39	The use of electrospray mass spectrometry to determine speciation in a dynamic combinatorial library for anion recognition. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13733-42	4.8	13
38	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> , <b>2012</b> , 7, e43253	3.7	13
37	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> , <b>2021</b> , 143, 4766-4774	16.4	13
36	Synthesis of highly functionalized oligobenzamide proteomimetic foldamers by late stage introduction of sensitive groups. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 3782-6	3.9	13
35	An $\alpha$ -Helix-Mimicking $12,13$ -Helix: Designed $\beta$ -Foldamers as Selective Inhibitors of Protein-Protein Interactions. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11262-11266	3.6	13
34	Supramolecular Self-Sorting Networks using Hydrogen-Bonding Motifs. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 785-795	4.8	13
33	Interfacing native and non-native peptides: using Affimers to recognise $\alpha$ -helix mimicking foldamers. <i>Chemical Communications</i> , <b>2017</b> , 53, 2834-2837	5.8	11
32	Peptide-based inhibitors of protein-protein interactions: biophysical, structural and cellular consequences of introducing a constraint. <i>Chemical Science</i> , <b>2021</b> , 12, 5977-5993	9.4	11
31	A catalytic protein-proteomimetic complex: using aromatic oligoamide foldamers as activators of RNase S. <i>Chemical Science</i> , <b>2019</b> , 10, 3956-3962	9.4	10
30	Control of conformation in $\alpha$ -helix mimicking aromatic oligoamide foldamers through interactions between adjacent side-chains. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 3861-3867	3.9	8
29	Synthesis of Oligobenzamide $\alpha$ -Helix Mimetics. <i>Synlett</i> , <b>2014</b> , 25, 324-335	2.2	7
28	Modulation of Amyloidogenic Protein Self-Assembly Using Tethered Small Molecules. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20845-20854	16.4	7
27	Activity-Directed Synthesis of Inhibitors of the p53/hDM2 Protein-Protein Interaction. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 10682-10689	4.8	6
26	Cellular uptake of highly-functionalized ruthenium(II) tris-bipyridine protein-surface mimetics. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 985-8	2.9	6
25	Electronic substituent effects on hydrogen-bonding motifs modulate supramolecular polymerisation. <i>RSC Advances</i> , <b>2013</b> , 3, 3103	3.7	6
24	Ditopic triply hydrogen-bonded heterodimers. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 5938-40	3.9	6
23	Photocatalytic proximity labelling of MCL-1 by a BH3 ligand. <i>Communications Chemistry</i> , <b>2019</b> , 2, 133	6.3	6
22	Recognition of ASF1 by Using Hydrocarbon-Constrained Peptides. <i>ChemBioChem</i> , <b>2019</b> , 20, 891-895	3.8	6

21	Stapled Peptides as HIF-1 $\alpha$ Inhibitors: Helicity Enhancement in the Bound State Increases Inhibitory Potency. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7638-7646	4.8	6
20	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16930-16934	3.6	6
19	Targeting trimeric transmembrane domain 5 of oncogenic latent membrane protein 1 using a computationally designed peptide. <i>Chemical Science</i> , <b>2019</b> , 10, 7584-7590	9.4	5
18	Design, synthesis and conformational analyses of bifacial benzamide based foldamers. <i>RSC Advances</i> , <b>2015</b> , 5, 104187-104192	3.7	5
17	Expedient synthesis of benzene tricarboxamide macrocycles derived from p-aminobenzoic acid. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 1361-1363	2	5
16	Supramolecular chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , <b>2007</b> , 103, 174		5
15	Design and synthesis of cysteine-specific labels for photo-crosslinking studies.. <i>RSC Advances</i> , <b>2019</b> , 9, 7610-7614	3.7	4
14	Solid-state structures of ureidoimidazoles. <i>Supramolecular Chemistry</i> , <b>2011</b> , 23, 470-479	1.8	4
13	Selective Affimers Recognise the BCL-2 Family Proteins BCL-x and MCL-1 through Noncanonical Structural Motifs*. <i>ChemBioChem</i> , <b>2021</b> , 22, 232-240	3.8	4
12	Probing Protein Surfaces: QSAR Analysis with Helix Mimetics. <i>ChemBioChem</i> , <b>2016</b> , 17, 768-73	3.8	3
11	Generation of Dynamic Combinatorial Libraries Using Hydrazone-Functionalized Surface Mimetics. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 1872-1879	3.2	2
10	Structural optimization of reversible dibromomaleimide peptide stapling.. <i>Peptide Science</i> , <b>2021</b> , 113, e24157	3	2
9	Structural insights into peptide self-assembly using photo-induced crosslinking experiments and discontinuous molecular dynamics. <i>AIChE Journal</i> , <b>2021</b> , 67, e17101	3.6	2
8	Identification of $\beta$ -strand mediated protein-protein interaction inhibitors using ligand-directed fragment ligation. <i>Chemical Science</i> , <b>2021</b> , 12, 2286-2293	9.4	2
7	A pH-Switchable Triple Hydrogen-Bonding Motif. <i>ChemistryOpen</i> , <b>2020</b> , 9, 40-44	2.3	2
6	Assembly of miscible supramolecular network blends using DDA $\Delta$ AD hydrogen-bonding interactions of pendent side-chains. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 3593-3604	4.9	1
5	Targeting the transmembrane domain 5 of latent membrane protein 1 using small molecule modulators. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 214, 113210	6.8	1
4	Query-guided protein-protein interaction inhibitor discovery. <i>Chemical Science</i> , <b>2021</b> , 12, 4753-4762	9.4	1

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|---|---|---|---|
| 3 | Towards optimizing peptide-based inhibitors of protein-protein interactions: predictive saturation variation scanning (PreSaVS). <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1474-1478 | 3 | 1 |
| 2 | Towards identification of protein-protein interaction stabilizers via inhibitory peptide-fragment hybrids using templated fragment ligation. <i>RSC Chemical Biology</i> ,                | 3 | 0 |
| 1 | Synthesis of peptidomimetic scaffolds <b>2013</b> , 74-89   |   |   |