

Andrew D Hamilton

List of Publications by Year in descending order

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66
papers

4,150
citations

147801

31
h-index

110387

64
g-index

74
all docs

74
docs citations

74
times ranked

4066
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for Targeting Protein-Protein Interactions With Synthetic Agents. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4130-4163.	13.8	422
2	Protein Geranylgeranylation Is Required for Osteoclast Formation, Function, and Survival: Inhibition by Bisphosphonates and GGTI-298. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1467-1476.	2.8	314
3	Oligoanthranilamides. Non-Peptide Subunits That Show Formation of Specific Secondary Structure. <i>Journal of the American Chemical Society</i> , 1996, 118, 7529-7541.	13.7	267
4	Novel Folding Patterns in a Family of Oligoanthranilamides: Non-Peptide Oligomers That Form Extended Helical Secondary Structures. <i>Journal of the American Chemical Society</i> , 1997, 119, 10587-10593.	13.7	245
5	Inhibition of the prenylation of K-Ras, but not H- or N-Ras, is highly resistant to CAAX peptidomimetics and requires both a farnesyltransferase and a geranylgeranyltransferase inhibitor in human tumor cell lines. <i>Oncogene</i> , 1997, 15, 1283-1288.	5.9	223
6	Both farnesyltransferase and geranylgeranyltransferase I inhibitors are required for inhibition of oncogenic K-Ras prenylation but each alone is sufficient to suppress human tumor growth in nude mouse xenografts. <i>Oncogene</i> , 1998, 16, 1467-1473.	5.9	215
7	A Calixarene with Four Peptide Loops: An Antibody Mimic for Recognition of Protein Surfaces. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2680-2683.	4.4	210
8	Disrupting protein-protein interactions with non-peptidic, small molecule α -helix mimetics. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 341-346.	6.1	181
9	Novel Molecular Scaffolds: Formation of Helical Secondary Structure in a Family of Oligoanthranilamides. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 446-448.	4.4	147
10	Thermodynamic Aspects of Dicarboxylate Recognition by Simple Artificial Receptors. <i>Journal of Organic Chemistry</i> , 2001, 66, 7313-7319.	3.2	128
11	Synthetic α -Helix Mimetics as Agonists and Antagonists of Islet Amyloid Polypeptide Aggregation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 736-739.	13.8	109
12	α -Helix mimetics: Outwards and upwards. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 717-724.	2.2	104
13	Allosteric Activation Dictates PRC2 Activity Independent of Its Recruitment to Chromatin. <i>Molecular Cell</i> , 2018, 70, 422-434.e6.	9.7	100
14	Acceleration of a Phosphate Diester Transesterification Reaction by Bis(alkylguanidinium) Receptors Containing an Appended General Base. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1237-1239.	4.4	93
15	Ion-mediated conformational switches. <i>Chemical Science</i> , 2015, 6, 1630-1639.	7.4	90
16	A Peptidomimetic Approach to Targeting Pre-amyloidogenic States in Type II Diabetes. <i>Chemistry and Biology</i> , 2009, 16, 943-950.	6.0	88
17	Potent, Highly Selective, and Non-Thiol Inhibitors of Protein Geranylgeranyltransferase-I. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1333-1340.	6.4	79
18	α -Helix Mimetics as Modulators of $\text{A}\beta^2$ Self-Assembly. <i>Journal of the American Chemical Society</i> , 2017, 139, 5744-5755.	13.7	73

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19	Foldamer-Mediated Structural Rearrangement Attenuates A β Oligomerization and Cytotoxicity. <i>Journal of the American Chemical Society</i> , 2017, 139, 17098-17108.	13.7	61
20	Rapid and Highly Selective Cleavage of Ribonucleoside 2',3'-Cyclic Monophosphates by Dinuclear CuII Complexes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2678-2680.	4.4	59
21	Islet Amyloid-Induced Cell Death and Bilayer Integrity Loss Share a Molecular Origin Targetable with Oligopyridylamide-Based α -Helical Mimetics. <i>Chemistry and Biology</i> , 2015, 22, 369-378.	6.0	55
22	Protein mimetic amyloid inhibitor potently abrogates cancer-associated mutant p53 aggregation and restores tumor suppressor function. <i>Nature Communications</i> , 2021, 12, 3962.	12.8	53
23	Peptidomimetic-Based Multidomain Targeting Offers Critical Evaluation of A β Structure and Toxic Function. <i>Journal of the American Chemical Society</i> , 2018, 140, 6562-6574.	13.7	49
24	Inhibition of Ras and Related G-Proteins As a Therapeutic Strategy for Blocking Malignant Glioma Growth. <i>Neurosurgery</i> , 1998, 43, 124-131.	1.1	48
25	Designed Cell-Penetrating Peptide Inhibitors of Amyloid-beta Aggregation and Cytotoxicity. <i>Cell Reports Physical Science</i> , 2020, 1, 100014.	5.6	47
26	Diphenylacetylene-Linked Peptide Strands Induce Bidirectional β -Sheet Formation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3650-3653.	13.8	40
27	Neue molekulare Gerüste: Bildung helicaler Sekundärstrukturen bei einer Gruppe von Oligoanthranilamiden. <i>Angewandte Chemie</i> , 1994, 106, 465-467.	2.0	38
28	Designed Molecular Switches: Controlling the Conformation of Benzamido-diphenylacetylenes. <i>Organic Letters</i> , 2010, 12, 3651-3653.	4.6	38
29	β -Strand Mimetic Foldamers Rigidified through Dipolar Repulsion. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2649-2652.	13.8	34
30	Inhibition of the HIF1 α -p300 interaction by quinone- and indandione-mediated ejection of structural Zn(II). <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 509-516.	5.5	33
31	Ein Calixaren mit vier Peptidschleifen: ein Antikörpermimeticum zur Erkennung von Proteinoberflächen. <i>Angewandte Chemie</i> , 1997, 109, 2797-2800.	2.0	32
32	Peptidomimetic-Based Vesicles Inhibit Amyloid- β Fibrillation and Attenuate Cytotoxicity. <i>Journal of the American Chemical Society</i> , 2021, 143, 3086-3093.	13.7	32
33	Amphiphilic oligoamide α -helix peptidomimetics inhibit islet amyloid polypeptide aggregation. <i>Tetrahedron Letters</i> , 2015, 56, 3670-3673.	1.4	31
34	pH-Dependent Conformational Switching in 2,6-Benzamidodiphenylacetylenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12569-12571.	13.8	29
35	Molecular Recognition of Phosphate Esters: A Balance of Hydrogen Bonding and Proton Transfer Interactions. <i>Israel Journal of Chemistry</i> , 1992, 32, 105-111.	2.3	22
36	Beschleunigung der Umesterung eines Phosphorsäurediesters durch basensubstituierte Bis(alkylguanidinium)-Rezeptoren. <i>Angewandte Chemie</i> , 1995, 107, 1343-1345.	2.0	22

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37	Non-covalent Sâ€O interactions control conformation in a scaffold that disrupts islet amyloid polypeptide fibrillation. <i>Chemical Science</i> , 2016, 7, 6435-6439.	7.4	22
38	Tetracyanoresorcin[4]arene selectively recognises trimethyllysine and inhibits its enzyme-catalysed demethylation. <i>Supramolecular Chemistry</i> , 2016, 28, 575-581.	1.2	18
39	Î±-Helix-Mimetic Foldamers for Targeting HIV-1 TAR RNA. <i>Chemistry - A European Journal</i> , 2019, 25, 7265-7269.	3.3	16
40	Sub-stoichiometric inhibition of IAPP aggregation: a peptidomimetic approach to anti-amyloid agents. <i>RSC Chemical Biology</i> , 2020, 1, 225-232.	4.1	16
41	Molecular recognition. Design of new receptors for complexation and catalysis. <i>Supramolecular Chemistry</i> , 1993, 1, 247-252.	1.2	15
42	Design and Synthesis of Oligoamide-Based Double Î±-Helix Mimetics. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3433-3445.	2.4	15
43	Unpicking the determinants of amide NHâ€O hydrogen bond strength with diphenylacetylene molecular balances. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9156-9163.	2.8	15
44	Rationally designed helical peptidomimetics disrupt Î±-synuclein fibrillation. <i>Chemical Communications</i> , 2022, 58, 5132-5135.	4.1	15
45	A Modular Synthesis of Conformationally Preorganised Extended Î²-Strand Peptidomimetics. <i>Chemistry - A European Journal</i> , 2015, 21, 14699-14702.	3.3	13
46	Acid-mediated topological control in a functionalized foldamer. <i>Chemical Communications</i> , 2016, 52, 6521-6524.	4.1	13
47	Synthesis of artificial receptors as potential candidates for recognition and binding of pterin analogs. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 675-681.	2.6	12
48	Remote conformational control of a molecular switch via methylation and deprotonation. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9384-9388.	2.8	12
49	An Î±-helical peptidomimetic scaffold for dynamic combinatorial library formation. <i>Chemical Communications</i> , 2017, 53, 313-316.	4.1	11
50	Redox-Dependent Conformational Switching of Diphenylacetylenes. <i>Molecules</i> , 2014, 19, 11316-11332.	3.8	10
51	A Lewis acid-mediated conformational switch. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7937-7941.	2.8	10
52	Mimicry of a Î²-Hairpin Turn by a Nonpeptidic Laterally Flexible Foldamer. <i>Organic Letters</i> , 2018, 20, 3879-3882.	4.6	10
53	Heterofunctionalized CavitanDs by Macrocyclization of Sequence-Defined Foldamers. <i>Organic Letters</i> , 2019, 21, 7763-7767.	4.6	10
54	Experimental Measurements of Low-Frequency Intermolecular Host-Guest Dynamics. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5394-5403.	2.6	9

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55	Hybrid Diphenylalkyne-Dipeptide Oligomers Induce Multistrand β -Sheet Formation. <i>Chemistry - A European Journal</i> , 2015, 21, 13518-13521.	3.3	9
56	The helical supramolecular assembly of oligopyridylamide foldamers in aqueous media can be guided by adenosine diphosphates. <i>Chemical Communications</i> , 2021, 57, 9192-9195.	4.1	9
57	Hydrogen bonding control of molecular self-assembly. <i>Journal of Chemical Sciences</i> , 1994, 106, 923-935.	1.5	9
58	Teaching an old scaffold new recognition tricks: oligopyrrolamide antagonists of IAPP aggregation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 733-741.	2.8	7
59	Supramolecular self-assembly based on directed hydrogen bonding. <i>Macromolecular Symposia</i> , 1994, 77, 209-217.	0.7	6
60	Super-secondary structure peptidomimetics: design and synthesis of an α -hairpin analogue. <i>Supramolecular Chemistry</i> , 2013, 25, 586-590.	1.2	5
61	Antimicrobial Peptide Mimetics Based on a Diphenylacetylene Scaffold: Synthesis, Conformational Analysis, and Activity. <i>ChemMedChem</i> , 2020, 15, 1932-1939.	3.2	3
62	Reactivity of Lithium Tetrahydridoberyllate Towards Common Functional Groups: Scope and Limitations. <i>Synthetic Communications</i> , 1990, 20, 247-251.	2.1	2
63	Cucurbit[7]uril Inhibits IAPP Aggregation by Targeting N-terminus Hot Segments and Attenuates Cytotoxicity. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	2
64	A Modular Synthesis of Conformationally Preorganised Extended β -Strand Peptidomimetics. <i>Chemistry - A European Journal</i> , 2015, 21, 14657-14657.	3.3	1
65	Evolving Librarian Engagement in Undergraduate Medical Education Student Research and Scholarship. <i>Medical Reference Services Quarterly</i> , 2021, 40, 337-346.	1.4	1
66	Titelbild: Diphenylacetylene-Linked Peptide Strands Induce Bidirectional β -Sheet Formation (Angew.) <i>Tj ETQqO O O rgBT /Overlock 10 Tf</i>		