Andrew G Myers

List of Publications by Year
in descending order

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79	6,848	53660	60497
papers	citations	45 h-index	81 g-index

99	99	99	5910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a Decarboxylative Palladation Reaction and Its Use in a Heck-type Olefination of Arene Carboxylates. Journal of the American Chemical Society, 2002, 124, 11250-11251.	6.6	578
2	Pseudoephedrine as a Practical Chiral Auxiliary for the Synthesis of Highly Enantiomerically Enriched Carboxylic Acids, Alcohols, Aldehydes, and Ketones. Journal of the American Chemical Society, 1997, 119, 6496-6511.	6.6	557
3	The Evolving Role of Chemical Synthesis in Antibacterial Drug Discovery. Angewandte Chemie - International Edition, 2014, 53, 8840-8869.	7.2	323
4	Mediator kinase inhibition further activates super-enhancer-associated genes in AML. Nature, 2015, 526, 273-276.	13.7	307
5	A Convergent Enantioselective Route to Structurally Diverse 6-Deoxytetracycline Antibiotics. Science, 2005, 308, 395-398.	6.0	274
6	A platform for the discovery of new macrolide antibiotics. Nature, 2016, 533, 338-345.	13.7	251
7	Use of Pseudoephedrine as a Practical Chiral Auxiliary for Asymmetric Synthesis. Journal of the American Chemical Society, 1994, 116, 9361-9362.	6.6	246
8	A Convergent Synthetic Route to (+)-Dynemicin A and Analogs of Wide Structural Variability. Journal of the American Chemical Society, 1997, 119, 6072-6094.	6.6	194
9	Highly Practical Methodology for the Synthesis ofd- andl-Î±-Amino Acids,N-Protected Î±-Amino Acids, andN-Methyl-Î±-amino Acids. Journal of the American Chemical Society, 1997, 119, 656-673.	6.6	185
10	Enantioselective Synthesis of Stephacidin B. Journal of the American Chemical Society, 2005, 127, 5342-5344.	6.6	185
11	Preparation of the Reagento-Nitrobenzenesulfonylhydrazide. Journal of Organic Chemistry, 1997, 62, 7507-7507.	1.7	170
12	Lithium amidotrihydroborate, a powerful new reductant. Transformation of tertiary amides to primary alcohols. Tetrahedron Letters, 1996, 37, 3623-3626.	0.7	166
13	A Robust Platform for the Synthesis of New Tetracycline Antibiotics. Journal of the American Chemical Society, 2008, 130, 17913-17927.	6.6	116
14	Stereocontrolled Alkylative Construction of Quaternary Carbon Centers. Journal of the American Chemical Society, 2008, 130, 13231-13233.	6.6	109
15	Practical Syntheses of Enantiomerically Enriched Î³-Lactones and Î³-Hydroxy Ketones by the Alkylation of Pseudoephedrine Amides with Epoxides and Their Derivatives. Journal of Organic Chemistry, 1996, 61, 2428-2440.	1.7	104
16	A synthetic antibiotic class overcoming bacterial multidrug resistance. Nature, 2021, 599, 507-512.	13.7	102
17	Synthesis of highly epimerizable N-protected Î±-amino aldehydes of high enantiomeric excess. Tetrahedron Letters, 2000, 41, 1359-1362.	0.7	98
18	Practical method for the synthesis of D- or L-.alpha.-amino acids by the alkylation of (+)- or (-)-pseudoephedrine glycinamide.. Journal of the American Chemical Society, 1995, 117, 8488-8489.	6.6	96

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19	Synthesis of cortistatins A, J, K and L. Nature Chemistry, 2010, 2, 886-892.	6.6	91
20	Pseudoephenamine: A Practical Chiral Auxiliary for Asymmetric Synthesis. Angewandte Chemie - International Edition, 2012, 51, 4568-4571.	7.2	91
21	A Practical, Enantioselective Synthetic Route to a Key Precursor to the Tetracycline Antibiotics. Organic Letters, 2007, 9, 3523-3525.	2.4	86
22	An enantioselective, modular, and general route to the cytochalasins: Synthesis of L-696,474 and cytochalasin B. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12048-12053.	3.3	83
23	A Concise, Stereocontrolled Synthesis of (â˜)-Saframycin A by the Directed Condensation of Î±-Amino Aldehyde Precursors. Journal of the American Chemical Society, 1999, 121, 10828-10829.	6.6	82
24	Synthesis of (+)-dynemicin A and analogs of wide structural variability: establishment of the absolute configuration of natural dynemicin A. Chemistry and Biology, 1995, 2, 33-43.	6.2	79
25	Synthesis of a Broad Array of Highly Functionalized, Enantiomerically Pure Cyclohexanecarboxylic Acid Derivatives by Microbial Dihydroxylation of Benzoic Acid and Subsequent Oxidative and Rearrangement Reactions. Organic Letters, 2001, 3, 2923-2926.	2.4	79
26	Development of an Enantioselective Synthetic Route to Neocarzinostatin Chromophore and Its Use for Multiple Radioisotopic Incorporation. Journal of the American Chemical Society, 2002, 124, 5380-5401.	6.6	78
27	The Natural Product Avrainvillamide Binds to the Oncoprotein Nucleophosmin. Journal of the American Chemical Society, 2007, 129, 14444-14451.	6.6	78
28	DNA Cleavage by Neocarzinostatin Chromophore.Establishing the Intermediacy of Chromophore-Derived Cumulene and Biradical Species and Their Role in Sequence-Specific Cleavage. Journal of the American Chemical Society, 1994, 116, 1670-1682.	6.6	77
29	Development of a platform for the discovery and practical synthesis of new tetracycline antibiotics. Current Opinion in Chemical Biology, 2016, 32, 48-57.	2.8	76
30	Greatly Simplified Procedures for the Synthesis of Î±-Amino Acids by the Direct Alkylation of Pseudoephedrine Glycinamide Hydrate. Journal of Organic Chemistry, 1999, 64, 3322-3327.	1.7	74
31	Identification of a Novel Michael Acceptor Group for the Reversible Addition of Oxygen- and Sulfur-Based Nucleophiles. Synthesis and Reactivity of the 3-Alkylidene-3H-indole 1-Oxide Function of Avrainvillamide. Journal of the American Chemical Society, 2003, 125, 12080-12081.	6.6	69
32	Synthesis of 1,6-didehydro[10]annulene. Observation of its exceptionally facile rearrangement to form the biradical 1,5-dehydronaphthalene. Journal of the American Chemical Society, 1992, 114, 10986-10987.	6.6	68
33	A Solid-Supported, Enantioselective Synthesis Suitable for the Rapid Preparation of Large Numbers of Diverse Structural Analogues of (â˜)-Saframycin A. Journal of the American Chemical Society, 2002, 124, 12969-12971.	6.6	66
34	Efficient, Stereoselective Synthesis oftrans-2,5-Disubstituted Morpholines. Organic Letters, 2004, 6, 1045-1047.	2.4	65
35	Kedarcidin Chromophore:Â Synthesis of Its Proposed Structure and Evidence for a Stereochemical Revision. Journal of the American Chemical Society, 2007, 129, 5381-5383.	6.6	64
36	Single-Step Process for the Reductive Deoxygenation of Unhindered Alcohols. Journal of the American Chemical Society, 1997, 119, 8572-8573.	6.6	63

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37	Asymmetric Synthesis of 1,3-Dialkyl-Substituted Carbon Chains of any Stereochemical Configuration by an Iterable Process. Synlett, 1997, 1997, 457-459.	1.0	62
38	Evidence for the Rapid Conversion of Stephacidin B into the Electrophilic Monomer Avrainvillamide in Cell Culture. Journal of the American Chemical Society, 2007, 129, 4898-4899.	6.6	53
39	Preparation of Chiral,C-Protected Î±-Amino Aldehydes of High Optical Purity and Their Use as Condensation Components in a Linear Synthesis Strategy. Journal of the American Chemical Society, 1999, 121, 8401-8402.	6.6	52
40	On the Inherent Instability of Î±-Amino Î±â€˜-Fluoro Ketones. Evidence for Their Transformation to Reactive Oxyvinyliminium Ion Intermediates. Organic Letters, 2001, 3, 425-428.	2.4	52
41	Synthesis and Evaluation of Bishydroquinone Derivatives of (â˜)-Saframycin A:Â Identification of a Versatile Molecular Template Imparting Potent Antiproliferative Activity. Journal of the American Chemical Society, 2001, 123, 5114-5115.	6.6	52
42	A Versatile Synthesis of Substituted Isoquinolines. Angewandte Chemie - International Edition, 2011, 50, 10409-10413.	7.2	51
43	Synthesis of the Kedarcidin Core Structure by a Transannular Cyclization Pathway. Angewandte Chemie - International Edition, 2000, 39, 2732-2735.	7.2	49
44	A practical, convergent route to the key precursor to the tetracycline antibiotics. Chemical Science, 2011, 2, 1710.	3.7	48
45	Enantioselective Synthesis of Kedarcidin Chromophore Aglycon in Differentially Protected Form. Angewandte Chemie - International Edition, 2002, 41, 1062-1067.	7.2	47
46	Stereocontrolled Synthesis of synâ€Î²â€Hydroxyâ€Î±â€Amino Acids by Direct Aldolization of Pseudoephenamine Glycinamide. Angewandte Chemie - International Edition, 2014, 53, 4642-4647.	7.2	46
47	Enantioselective Synthesis of (â˜)-Terpestacin and (â˜)-Fusaproliferin:Â Clarification of Optical Rotational Measurements and Absolute Configurational Assignments Establishes a Homochiral Structural Series. Journal of the American Chemical Society, 2002, 124, 4230-4232.	6.6	43
48	Storable Arylpalladium(II) Reagents for Alkene Labeling in Aqueous Media. Journal of the American Chemical Society, 2011, 133, 15870-15873.	6.6	42
49	Observations Concerning the Existence and Reactivity of Free Î±-Amino Aldehydes as Chemical Intermediates:Â Evidence for Epimerization-Free Adduct Formation with Various Nucleophiles. Journal of the American Chemical Society, 2000, 122, 3236-3237.	6.6	41
50	A Method for the Preparation of Differentiated trans-1,2-Diol Derivatives with Enantio- and Diastereocontrol. Journal of the American Chemical Society, 2009, 131, 5763-5765.	6.6	41
51	Component-based syntheses of trioxacarcin A, DC-45-A1 and structural analogues. Nature Chemistry, 2013, 5, 886-893.	6.6	40
52	Tetracyclines promote survival and fitness in mitochondrial disease models. Nature Metabolism, 2021, 3, 33-42.	5.1	37
53	Tetracyclines Modify Translation by Targeting Key Human rRNA Substructures. Cell Chemical Biology, 2018, 25, 1506-1518.e13.	2.5	35
54	A Comparison of DNA Cleavage by Neocarzinostatin Chromophore and Its Aglycon:Â Evaluating the Role of the Carbohydrate Residue. Journal of the American Chemical Society, 1997, 119, 2965-2972.	6.6	34

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55	Enantioselective Synthesis of N1999A2. Journal of the American Chemical Society, 2006, 128, 14825-14827.	6.6	34
56	Methodological advances permit the stereocontrolled construction of diverse fully synthetic tetracyclines containing an all-carbon quaternary center at position C5a. Tetrahedron, 2011, 67, 9853-9869.	1.0	31
57	Discovery of Macrolide Antibiotics Effective against Multi-Drug Resistant Gram-Negative Pathogens. Accounts of Chemical Research, 2021, 54, 1635-1645.	7.6	30
58	One-Step Construction of the Pentacyclic Skeleton of Saframycin A from a â€œTrimerâ€•of Î±-Amino Aldehydes. Organic Letters, 2000, 2, 3019-3022.	2.4	28
59	Transcriptional Response Pathways in a Yeast Strain Sensitive to Saframycin A and a More Potent Analog. Chemistry and Biology, 2002, 9, 607-618.	6.2	28
60	Evidence for Facile Atropisomerism and Simple (Non-Nucleophilic) Biradical-Forming Cycloaromatization within Kedarcidin Chromophore Aglycon. Journal of the American Chemical Society, 2002, 124, 4583-4585.	6.6	25
61	Synthesis of Quaternary Î±-Methyl Î±-Amino Acids by Asymmetric Alkylation of Pseudoephenamine Alaninamide Pivaldimine. Organic Letters, 2013, 15, 3134-3137.	2.4	25
62	Synthetic and Theoretical Studies of Cyclobuta[1,2:3,4]dicyclopentene. Organocobalt Intermediates in the Construction of the Unsaturated Carbon Skeleton and Their Transformation into Novel Cobaltacyclic Complexes by Câ^'C Insertion. Journal of Organic Chemistry, 2004, 69, 2516-2525.	1.7	24
63	Synthesis of C-Protected Î±-Amino Aldehydes of High Enantiomeric Excess from Highly Epimerizable N-Protected Î±-Amino Aldehydes. Organic Letters, 2000, 2, 3337-3340.	2.4	23
64	A Convenient, NMR-Based Method for the Analysis of Diastereomeric Mixtures of Pseudoephedrine Amides. Organic Letters, 2007, 9, 355-357.	2.4	22
65	A Simple, Scalable Synthetic Route to (+)- and (â^')-Pseudoephenamine. Organic Letters, 2013, 15, 5594-5597.	2.4	22
66	Synthesis of <scp>D</scp>â€Desosamine and Analogs by Rapid Assembly of 3â€Amino Sugars. Angewandte Chemie - International Edition, 2016, 55, 523-527.	7.2	22
67	Synthesis of the naphthoic acid component of kedarcidin chromophore by routes employing photochemical and thermal electrocyclic ring closure reactions. Tetrahedron Letters, 1997, 38, 4363-4366.	0.7	21
68	Interactions of the Natural Product (+)-Avrainvillamide with Nucleophosmin and Exportin-1 Mediate the Cellular Localization of Nucleophosmin and its AML-Associated Mutants. ACS Chemical Biology, 2015, 10, 855-863.	1.6	21
69	Large-scale preparation of key building blocks for the manufacture of fully synthetic macrolide antibiotics. Journal of Antibiotics, 2018, 71, 318-325.	1.0	18
70	Practical methodology for the asymmetric synthesis of organofluorine compounds. Tetrahedron Letters, 1998, 39, 1335-1338.	0.7	17
71	Anti-proliferative activity of the NPM1 interacting natural product avrainvillamide in acute myeloid leukemia. Cell Death and Disease, 2016, 7, e2497-e2497.	2.7	17
72	A Practical, Component-Based Synthetic Route to Methylthiolincosamine Permitting Facile Northern-Half Diversification of Lincosamide Antibiotics. Journal of the American Chemical Society, 2021, 143, 6829-6835.	6.6	15

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73	Practical Gram-Scale Synthesis of Iboxamycin, a Potent Antibiotic Candidate. Journal of the American Chemical Society, 2021, 143, 11019-11025.	6.6	15
74	Expression of Bacillus subtilis ABCF antibiotic resistance factor VmlR is regulated by RNA polymerase pausing, transcription attenuation, translation attenuation and (p)ppGpp. Nucleic Acids Research, 2022, 50, 6174-6189.	6.5	15
75	Synthesis ofl-Kedarosamine in Protected Form and Its Efficient Incorporation into an Advanced Intermediate to Kedarcidin Chromophore. Organic Letters, 2007, 9, 1923-1925.	2.4	11
76	Crystalline guanine adducts of natural and synthetic trioxacarcins suggest a common biological mechanism and reveal a basis for the instability of trioxacarcin A. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4410-4413.	1.0	5
77	Synthetic oxepanoprolinamide iboxamycin is active against Listeria monocytogenes despite the intrinsic resistance mediated by VgaL/Lmo0919 ABCF ATPase. JAC-Antimicrobial Resistance, 2022, 4, .	0.9	5
78	Diastereoselective Michaelâ€“Claisen Cyclizations of Î³-Oxa-Î±,Î²-unsaturated Ketones en Route to 5-Oxatetracyclines. Organic Letters, 2017, 19, 206-209.	2.4	4
79	Development of a Decarboxylative Palladation Reaction and Its Use in a Heck-Type Olefination of Arene Carboxylates.. ChemInform, 2003, 34, no.	0.1	0