

# Gregory P Savage

## List of Publications by Year in descending order

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86  
papers

2,057  
citations

236925

25  
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276875

41  
g-index

103  
all docs

103  
docs citations

103  
times ranked

2098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cubane: 50 Years Later. <i>Chemical Reviews</i> , 2015, 115, 6719-6745.	47.7	145
2	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3580-3585.	13.8	126
3	Total Synthesis of the Potent Anticancer Aglaia Metabolites (âˆ™)-Silvestrol and (âˆ™)-Episilvestrol and the Active Analogue (âˆ™)-4â€²-Desmethoxyepisilvestrol. <i>Journal of the American Chemical Society</i> , 2009, 131, 1607-1616.	13.7	78
4	Methyllycaconitine analogues have mixed antagonist effects at nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4565-4575.	3.0	61
5	Cycloaddition Reactions of Nitrile Oxides with Alkenes. <i>Advances in Heterocyclic Chemistry</i> , 1994, , 261-327.	1.7	60
6	Nonclassical Phenyl Bioisosteres as Effective Replacements in a Series of Novel Open-Source Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11585-11601.	6.4	60
7	Evolution of abiotic cubane chemistries in a nucleic acid aptamer allows selective recognition of a malaria biomarker. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16790-16798.	7.1	59
8	A Concise Route to Dihydrobenzo[ <i>b</i> ]furans: Formal Total Synthesis of (+)-Lithospermic Acid. <i>Organic Letters</i> , 2011, 13, 3376-3379.	4.6	57
9	The direct Î±-C(sp <sup>3</sup> )â€”H functionalisation of N-aryl tetrahydroisoquinolines via an iron-catalysed aerobic nitro-Mannich reaction and continuous flow processing. <i>Chemical Communications</i> , 2015, 51, 334-337.	4.1	56
10	Reducing the Cost, Smell, and Toxicity of the Barton Reductive Decarboxylation: Chloroform as the Hydrogen Atom Source. <i>Organic Letters</i> , 2011, 13, 1944-1947.	4.6	51
11	Spiro Isoxazolines via Nitrile Oxide 1,3-Dipolar Cycloaddition Reactions. <i>Current Organic Chemistry</i> , 2010, 14, 1478-1499.	1.6	49
12	Structural Basis for a New Mechanism of Inhibition of H I V-1 Integrase Identified by Fragment Screening and Structure-Based Design. <i>Antiviral Chemistry and Chemotherapy</i> , 2011, 21, 155-168.	0.6	49
13	Synthesis of Biotinylated Episilvestrol: Highly Selective Targeting of the Translation Factors eIF4A/II. <i>Organic Letters</i> , 2013, 15, 1406-1409.	4.6	49
14	The cubane paradigm in bioactive molecule discovery: further scope, limitations and the cyclooctatetraene complement. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6790-6798.	2.8	49
15	Small Molecule Inhibitors of the LEDGF Site of Human Immunodeficiency Virus Integrase Identified by Fragment Screening and Structure Based Design. <i>PLoS ONE</i> , 2012, 7, e40147.	2.5	49
16	Pilot-Scale Production of Dimethyl 1,4-Cubanedicarboxylate. <i>Organic Process Research and Development</i> , 2013, 17, 1503-1509.	2.7	47
17	Chloroform as a Hydrogen Atom Donor in Barton Reductive Decarboxylation Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 6677-6687.	3.2	39
18	Reversal of regiochemistry in the synthesis of isoxazoles by nitrile oxide cycloadditions. <i>Tetrahedron Letters</i> , 1994, 35, 3589-3592.	1.4	35

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19	The cyclic structure of 2-iodosyl- and 2-iodyl-benzoic acid anions: a basicity and X-ray crystallographic study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1657.	0.9	34
20	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie</i> , 2016, 128, 3644-3649.	2.0	34
21	Thermochemical properties of iodinated cubane derivatives. <i>Thermochimica Acta</i> , 2010, 499, 15-20.	2.7	30
22	Synthesis of tricyclic analogues of methyllycaconitine using ring closing metathesis to append a B ring to an AE azabicyclic fragment. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1659.	2.8	27
23	Exploiting the 1,3-dithiane of 2-oxopropanenitrile oxide to limit competing dimerization in 1,3-dipolar cycloaddition reactions. <i>Tetrahedron Letters</i> , 1997, 38, 2175-2178.	1.4	26
24	An enantioselective total synthesis of the stilbenolignan ( $\hat{\alpha}$ )-aiphanol and the determination of its absolute stereochemistry. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1645-1654.	1.8	26
25	Rearrangement-Free Hydroxylation of Methylcubanes by a Cytochrome P450: The Case for Dynamical Coupling of C-H Abstraction and Rebound. <i>Journal of the American Chemical Society</i> , 2019, 141, 19688-19699.	13.7	26
26	Perfluorohexane As a Novel Reaction Medium For Bromination Reactions. <i>Synthetic Communications</i> , 1995, 25, 1023-1026.	2.1	25
27	Electrochemical and yeast-catalysed ring-opening of isoxazoles in the synthesis of analogues of the herbicide Grasp <sup>®</sup> . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1168-1174.	1.3	25
28	Dipolar Cycloaddition Reactions of Nitrilimines. <i>Australian Journal of Chemistry</i> , 1998, 51, 499.	0.9	25
29	Cyclooctatetraene: A Bioactive Cubane Paradigm Complement. <i>Chemistry - A European Journal</i> , 2019, 25, 2729-2734.	3.3	24
30	A structural study of 3- and 4-iodosylbenzoic acids, 3- and 4-iodylbenzoic acids, and their sodium salts. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1515.	0.9	23
31	Regioselective 1,3-Dipolar Cycloaddition Reactions of 4-Methylene-2-oxazolidinones with Benzonitrile Oxide. <i>Australian Journal of Chemistry</i> , 2008, 61, 432.	0.9	23
32	Asymmetric Synthesis of a Homochiral D2-Isoxazoline Amino Acid Derivative. <i>Heterocycles</i> , 1994, 37, 529.	0.7	22
33	Synthesis of ABE tricyclic analogues of methyllycaconitine using a Wacker oxidation <sup>®</sup> aldol strategy to append the B ring to the AE fragment. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 924-931.	1.3	22
34	Convergent synthesis and preliminary biological evaluations of the stilbenolignan ( $\hat{\alpha}$ )-aiphanol and various congeners. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2427-2429.	2.8	22
35	Atropisomerism-Induced Facial Selectivity in Nitrile Oxide Cycloadditions with 5-Methylenehydantoins. <i>Journal of Organic Chemistry</i> , 2011, 76, 6946-6950.	3.2	22
36	Spiroheterocycles via Regioselective Cycloaddition Reactions of Nitrile Oxides with 5-Methylene-1H-pyrrol-2(5H)-ones. <i>Australian Journal of Chemistry</i> , 2010, 63, 445.	0.9	21

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37	Aryl nitrile oxide cycloaddition reactions in the presence of baker's yeast and $\beta$ -cyclodextrin. <i>Tetrahedron Letters</i> , 1995, 36, 629-632.	1.4	20
38	Total Synthesis of 2 $\alpha$ ,5 $\alpha$ -Diepisilvestrol and Its C1 $\alpha$ Epimer: Key Structure Activity Relationships at C1 $\alpha$ and C2 $\alpha$ . <i>Journal of Natural Products</i> , 2012, 75, 1500-1504.	3.0	19
39	The search for new amphiphiles: synthesis of a modular, high-throughput library. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1578-1588.	2.2	18
40	Cyclooctatetraenes through Valence Isomerization of Cubanenes: Scope and Limitations. <i>Chemistry - A European Journal</i> , 2019, 25, 2735-2739.	3.3	18
41	Synthesis of unsymmetrically 4-substituted 2,2 $\alpha$ -bipyridines. <i>Tetrahedron Letters</i> , 1995, 36, 327-330.	1.4	17
42	An NMR study of the equilibria involved with benzotriazole, carbonyl compounds, and their adducts. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 921.	0.9	16
43	Nitrile Oxide Cycloaddition Chemistry Using Benzotriazole as a Steric Auxiliary. <i>Australian Journal of Chemistry</i> , 2005, 58, 877.	0.9	16
44	CONVENIENT LARGE SCALE PREPARATION OF 5-METHYL- AND 4-NITRO- 2-IODOSOBENZOIC AND OF 4-NITRO-2-iodoxybenzoic acids. <i>Organic Preparations and Procedures International</i> , 1989, 21, 157-162.	1.3	15
45	A Multi-Step Continuous Flow Process for the N-Demethylation of Alkaloids. <i>Australian Journal of Chemistry</i> , 2013, 66, 178.	0.9	15
46	Free-Radical Polymerization and Ring-Expansion of a Cubane Acrylate: a Unique Low-Shrink Polymer. <i>Australian Journal of Chemistry</i> , 2009, 62, 145.	0.9	14
47	Inverse hexagonal and cubic micellar lyotropic liquid crystalline phase behaviour of novel double chain sugar-based amphiphiles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 34-38.	5.0	14
48	Enantioselective synthesis of (<i>R</i>)-2-cubylglycine including unprecedented rhodium mediated C $\alpha$ -H insertion of cubane. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1067-1070.	2.8	14
49	Synthesis of the <i>seco</i>-limonoid BCD Ring System Identifies a Hsp90 Chaperon Machinery (p23) Inhibitor. <i>Chemistry - A European Journal</i> , 2019, 25, 1451-1455.	3.3	14
50	Aryl nitrile oxide cycloaddition reactions in the presence of pinacol boronic acid ester. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 606-612.	2.2	13
51	Click-Chemistry as a Mix-and-Match Kit for Amphiphile Synthesis. <i>ACS Combinatorial Science</i> , 2012, 14, 565-569.	3.8	13
52	The High-Throughput Synthesis and Phase Characterisation of Amphiphiles: A Sweet Case Study. <i>Chemistry - A European Journal</i> , 2014, 20, 2783-2792.	3.3	13
53	Cubane: A New NMR Internal Standard. <i>Australian Journal of Chemistry</i> , 2010, 63, 1108.	0.9	12
54	Nitrile Oxide 1,3-Dipolar Cycloaddition by Dehydration of Nitromethane Derivatives Under Continuous Flow Conditions. <i>Australian Journal of Chemistry</i> , 2011, 64, 1397.	0.9	12

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55	Facial selectivity induced by N-aryl atropisomerism in benzonitrile oxide cycloadditions with 4-methylene-2-oxazolidinones. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4759.	2.8	12
56	Construction of the CSIRO Fragment Library. <i>Australian Journal of Chemistry</i> , 2013, 66, 1473.	0.9	12
57	Yeast-catalysed reductive ring-opening of isoxazoles. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2035-2035.	2.0	11
58	N-Aryl Atropisomerism Induces Facial Selectivity in Benzonitrile Oxide Cycloadditions with Exocyclic Methylene Benzosultams. <i>Australian Journal of Chemistry</i> , 2013, 66, 874.	0.9	11
59	Design, synthesis and binding properties of a fluorescent $\beta$ -integrin antagonist and its application as an <i>in vivo</i> probe for bone marrow haemopoietic stem cells. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 965-978.	2.8	11
60	Kinetic Benchmarking Reveals the Competence of Prenyl Groups in Ring-Closing Metathesis. <i>Organic Letters</i> , 2017, 19, 5332-5335.	4.6	11
61	Determining the necessity of phenyl ring $\pi$ -character in warfarin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1954-1956.	2.2	11
62	<i>N</i> -Alkylsulfonylimines as Dipolarophiles in Cycloaddition Reactions. <i>Chemistry - an Asian Journal</i> , 2013, 8, 42-48.	3.3	10
63	What's in a Name? Moving Towards a Limited Vocabulary for Macromolecular Crystallisation. <i>Australian Journal of Chemistry</i> , 2014, 67, 1813.	0.9	10
64	Evaluation of a chiral cubane-based Schiff base ligand in asymmetric catalysis reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1814-1818.	2.2	9
65	Hyperconjugation involving strained carbon-carbon bonds. Application of the variable oxygen probe to ester and ether derivatives of cubylmethanol. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3151.	2.8	9
66	A Relay Strategy Actuates Pre-Existing Trisubstituted Olefins in Monoterpenoids for Cross-Metathesis with Trisubstituted Alkenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 4906-4917.	3.2	9
67	A novel vitamin K derived anticoagulant tolerant to genetic variations of vitamin K epoxide reductase. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 689-700.	3.8	9
68	Synthesis of a Novel Chiral Cubane-Based Schiff Base Ligand and Its Application in Asymmetric Nitro-Aldol (Henry) Reactions. <i>Synthesis</i> , 2010, 2010, 98-102.	2.3	8
69	The preparation of some tetradecyl-substituted benzocarbazoles and benzacridines. <i>Journal of Heterocyclic Chemistry</i> , 1991, 28, 321-323.	2.6	7
70	Collisionally activated dissociation of 2,4,6-triphenylpyridinium cations. <i>Organic Mass Spectrometry</i> , 1992, 27, 1317-1321.	1.3	7
71	Synthesis and Self-Assembly of a Peptide - Amphiphile as a Drug Delivery Vehicle. <i>Australian Journal of Chemistry</i> , 2013, 66, 23.	0.9	7
72	The ( $\Delta^6$ )-6-Aza[1.0]triblattane Skeleton: Contraction beyond the Wilder-Culberson Ring System. <i>Organic Letters</i> , 2022, 24, 903-906.	4.6	7

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73	Towards the Total Synthesis of Gedunin: Construction of the Fully Elaborated ABCâ€¦Ring System. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 583-597.	2.7	6
74	Porous Double-Layer Polymer Tubing for the Potential Use in Heterogeneous Continuous Flow Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22838-22846.	8.0	5
75	Total synthesis of a biotinylated rocaglate: Selective targeting of the translation factors eIF4A/II. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 262-264.	2.2	5
76	Cage opening and rearrangement of 1-iodocubane-4-carboxaldehyde. <i>Tetrahedron Letters</i> , 2011, 52, 6359-6362.	1.4	4
77	Benzonitrile Oxide Cycloadditions with Exocyclic Methylene Benzothiazepine Dioxides. <i>Australian Journal of Chemistry</i> , 2014, 67, 381.	0.9	3
78	Relay Cross Metathesis for the Iterative Construction of Terpenoids and Synthesis of a Diterpene-Benzoate Macrolide of Biogenetic Relevance to the Bromophycolides. <i>Organic Letters</i> , 2020, 22, 3176-3179.	4.6	3
79	Studies on the Synthesis of cis-4-Hydroxy-L-proline. <i>Australian Journal of Chemistry</i> , 2011, 64, 1509.	0.9	2
80	An Efficient Fmoc Solid-Phase Synthesis of an Amphiphile of the Neuroprotective Agent Glycyl-prolyl-glutamic Acid. <i>Synlett</i> , 2014, 25, 2221-2224.	1.8	2
81	Rapid Microwave-Assisted Synthesis of N-Aryl 1,2,3,4-Tetrahydroisoquinolines. <i>Australian Journal of Chemistry</i> , 2015, 68, 1890.	0.9	1
82	Unexpected Isomerisation of a Fragment Analogue During Fragment-Based Screening of HIV Integrase Catalytic Core Domain. <i>Australian Journal of Chemistry</i> , 2015, 68, 1871.	0.9	1
83	Frontispiece: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	1
84	A Scalable, Combined-Batch, and Continuous-Flow Synthesis of a Bio-Inspired UV-B Absorber. <i>Australian Journal of Chemistry</i> , 2019, 72, 860.	0.9	1
85	Synthesis of spiroisoxazolines through cycloadditions of nitrile oxides with 3-methylenequinuclidine. <i>Arkivoc</i> , 2006, 2006, 175-183.	0.5	1
86	Frontispiz: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0