Ryan A Shenvi

List of Publications by Year
in descending order

71 papers	5,128 citations	117453 34 h-index	88477 70 g-index
110 all docs	110 docs citations	110 times ranked	3705 citing authors

#	Article	IF	Citations
1	Stereodivergent Attachedâ€Ring Synthesis via Nonâ€Covalent Interactions: A Short Formal Synthesis of Merrilactone A. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
2	Stereodivergent Attachedâ€Ring Synthesis via Nonâ€Covalent Interactions: A Short Formal Synthesis of Merrilactone A. Angewandte Chemie, 2022, 134, e202114514.	1.6	0
3	Concise syntheses of GB22, GB13, and himgaline by cross-coupling and complete reduction. Science, 2022, 375, 1270-1274.	6.0	20
4	Synthesis and target annotation of the alkaloid GB18. Nature, 2022, 606, 917-921.	13.7	10
5	Change the channel: <scp>CysLoop</scp> receptor antagonists from nature. Pest Management Science, 2021, 77, 3650-3662.	1.7	10
6	Natural Product Synthesis through the Lens of Informatics. Accounts of Chemical Research, 2021, 54, 1157-1167.	7.6	21
7	Cobalt-catalyzed alkene hydrogenation by reductive turnover. Tetrahedron Letters, 2021, 72, 153047.	0.7	12
8	Revision of the Unstable Picrotoxinin Hydrolysis Product. Angewandte Chemie, 2021, 133, 19261-19264.	1.6	0
9	Revision of the Unstable Picrotoxinin Hydrolysis Product. Angewandte Chemie - International Edition, 2021, 60, 19113-19116.	7.2	3
10	Catalytic hydrogen atom transfer to alkenes: a roadmap for metal hydrides and radicals. Chemical Science, 2020, 11, 12401-12422.	3.7	158
11	Synthetic, Mechanistic, and Biological Interrogation of <i>Ginkgo biloba</i> Chemical Space En Route to (â^’)-Bilobalide. Journal of the American Chemical Society, 2020, 142, 18599-18618.	6.6	40
12	Chemical syntheses of the salvinorin chemotype of KOR agonist. Natural Product Reports, 2020, 37, 1478-1496.	5.2	14
13	Cycloisomerization of Olefins in Water. Angewandte Chemie, 2020, 132, 13098-13103.	1.6	10
14	Synthesis of (â^’)-Picrotoxinin by Late-Stage Strong Bond Activation. Journal of the American Chemical Society, 2020, 142, 11376-11381.	6.6	32
15	Electronic complementarity permits hindered butenolide heterodimerization and discovery of novel cGAS/STING pathway antagonists. Nature Chemistry, 2020, 12, 310-317.	6.6	34
16	Cycloisomerization of Olefins in Water. Angewandte Chemie - International Edition, 2020, 59, 12998-13003.	7.2	37
17	Olefin Hydroarylation via Ni/Co Dual Catalysis. Trends in Chemistry, 2019, 1, 540-541.	4.4	1
18	Natural Products in the â€œMarketplaceâ€: Interfacing Synthesis and Biology. Journal of the American Chemical Society, 2019, 141, 3332-3346.	6.6	52

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19	Expanding Reactivity in DNA-Encoded Library Synthesis via Reversible Binding of DNA to an Inert Quaternary Ammonium Support. Journal of the American Chemical Society, 2019, 141, 9998-10006.	6.6	119
20	Hydroalkylation of Olefins To Form Quaternary Carbons. Journal of the American Chemical Society, 2019, 141, 7709-7714.	6.6	134
21	Reanalysis of lindenatriene, a building block for the synthesis of lindenane oligomers. Tetrahedron, 2019, 75, 3140-3144.	1.0	2
22	Intermolecular Heck Coupling with Hindered Alkenes Directed by Potassium Carboxylates. Angewandte Chemie, 2019, 131, 2393-2398.	1.6	5
23	Concise asymmetric synthesis of (âˆ’)-bilobalide. Nature, 2019, 575, 643-646.	13.7	39
24	Intermolecular Heck Coupling with Hindered Alkenes Directed by Potassium Carboxylates. Angewandte Chemie - International Edition, 2019, 58, 2371-2376.	7.2	28
25	Mechanism of Action of the Cytotoxic Asmarine Alkaloids. ACS Chemical Biology, 2018, 13, 1299-1306.	1.6	5
26	O6C-20-nor-salvinorin A is a stable and potent KOR agonist. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2770-2772.	1.0	12
27	A review of salvinorin analogs and their kappa-opioid receptor activity. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1436-1445.	1.0	46
28	Branch-Selective Addition of Unactivated Olefins into Imines and Aldehydes. Journal of the American Chemical Society, 2018, 140, 16976-16981.	6.6	110
29	The High Chemofidelity of Metal-Catalyzed Hydrogen Atom Transfer. Accounts of Chemical Research, 2018, 51, 2628-2640.	7.6	220
30	Pharmacological characterization of the neurotrophic sesquiterpene jiadifenolide reveals a non-convulsant signature and potential for progression in neurodegenerative disease studies. Biochemical Pharmacology, 2018, 155, 61-70.	2.0	17
31	Ironâ€"Nickel Dual-Catalysis: A New Engine for Olefin Functionalization and the Formation of Quaternary Centers. Journal of the American Chemical Society, 2018, 140, 11317-11324.	6.6	144
32	Mechanistic Interrogation of Co/Ni-Dual Catalyzed Hydroarylation. Journal of the American Chemical Society, 2018, 140, 12056-12068.	6.6	160
33	Stereocontrolled Synthesis of Kalihinol C. Journal of the American Chemical Society, 2017, 139, 3647-3650.	6.6	28
34	Synthesis of (âˆ’)-11-<i>O</i>-Debenzoyltashironin: Neurotrophic Sesquiterpenes Cause Hyperexcitation. Journal of the American Chemical Society, 2017, 139, 9637-9644.	6.6	54
35	Dynamic Strategic Bond Analysis Yields a Ten-Step Synthesis of 20-nor-Salvinorin A, a Potent Îº-OR Agonist. ACS Central Science, 2017, 3, 1329-1336.	5.3	34
36	Synthesis of the Privileged 8-Arylmenthol Class by Radical Arylation of Isopulegol. Organic Letters, 2016, 18, 2620-2623.	2.4	63

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37	Branch-Selective Hydroarylation: Iodoareneâ€“Olefin Cross-Coupling. Journal of the American Chemical Society, 2016, 138, 12779-12782.	6.6	216
38	Mn-, Fe-, and Co-Catalyzed Radical Hydrofunctionalizations of Olefins. Chemical Reviews, 2016, 116, 8912-9000.	23.0	707
39	Reaction: And You, of Tender Years 1. CheM, 2016, 1, 334-335.	5.8	0
40	Synthesis of (+)-7,20-Diisocyanoadociane and Liver-Stage Antiplasmodial Activity of the Isocyanoterpene Class. Journal of the American Chemical Society, 2016, 138, 7268-7271.	6.6	64
41	Synthesis and Sulfur Electrophilicity of the <i>Nuphar</i> Thiaspirane Pharmacophore. ACS Central Science, 2016, 2, 401-408.	5.3	20
42	Ph(<i>i</i>-PrO)SiH₂: An Exceptional Reductant for Metal-Catalyzed Hydrogen Atom Transfers. Journal of the American Chemical Society, 2016, 138, 4962-4971.	6.6	206
43	Neurite outgrowth enhancement by jiadifenolide: possible targets. Natural Product Reports, 2016, 33, 535-539.	5.2	28
44	Conjuring a Supernatural Product â€“ DelMarine. Synlett, 2016, 27, 1145-1164.	1.0	19
45	Cluster Preface: Reinventing Radical Reactions. Synlett, 2016, 27, 678-679.	1.0	1
46	Nitrosopurines En Route to Potently Cytotoxic Asmarines. Angewandte Chemie - International Edition, 2015, 54, 2410-2415.	7.2	23
47	Terpenes in tight spaces. Nature Chemistry, 2015, 7, 187-189.	6.6	4
48	Nitrosopurines En Route to Potently Cytotoxic Asmarines. Angewandte Chemie, 2015, 127, 2440-2445.	1.6	6
49	An eight-step gram-scale synthesis of (âˆ’)-jiadifenolide. Nature Chemistry, 2015, 7, 604-607.	6.6	80
50	A Longitudinal Study of Alkaloid Synthesis Reveals Functional Group Interconversions as Bad Actors. Chemical Reviews, 2015, 115, 9465-9531.	23.0	57
51	Synthesis of Lepadiformine Using a Hydroamination Transform. Organic Letters, 2015, 17, 5776-5779.	2.4	18
52	Syntheses and biological studies of marine terpenoids derived from inorganic cyanide. Natural Product Reports, 2015, 32, 543-577.	5.2	72
53	Simple, Chemoselective Hydrogenation with Thermodynamic Stereocontrol. Journal of the American Chemical Society, 2014, 136, 1300-1303.	6.6	261
54	Simple, Chemoselective, Catalytic Olefin Isomerization. Journal of the American Chemical Society, 2014, 136, 16788-16791.	6.6	292

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55	Synthesis of medicinally relevant terpenes: reducing the cost and time of drug discovery. Future Medicinal Chemistry, 2014, 6, 1127-1148.	1.1	61
56	Synthesis of (âˆ')-Neothiobinupharidine. Journal of the American Chemical Society, 2013, 135, 1209-1212.	6.6	57
57	Stereoinversion of tertiary alcohols to tertiary-alkyl isonitriles and amines. Nature, 2013, 501, 195-199.	13.7	134
58	Synthesis of a Potent Antimalarial Amphilectene. Journal of the American Chemical Society, 2012, 134, 19604-19606.	6.6	82
59	Synthesis of highly strained terpenes by non-stop tail-to-head polycyclization. Nature Chemistry, 2012, 4, 915-920.	6.6	81
60	A Stereoselective Hydroamination Transform To Access Polysubstituted Indolizidines. Journal of the American Chemical Society, 2012, 134, 2012-2015.	6.6	59
61	Scalable Synthesis of Cortistatin A and Related Structures. Journal of the American Chemical Society, 2011, 133, 8014-8027.	6.6	115
62	Synthetic Access to Bent Polycycles by Cation-Ï€ Cyclization. Organic Letters, 2010, 12, 3548-3551.	2.4	34
63	Stereodivergent Synthesis of 17â€Î± and 17â€Î²â€Aryl Steroids: Application and Biological Evaluation of Dâ€Ring Cortistatin Analogues. Angewandte Chemie - International Edition, 2009, 48, 4328-4331.	7.2	60
64	A Short and Efficient Synthesis of (âˆ')-7-Methylomuralide, a Potent Proteasome Inhibitor. Journal of the American Chemical Society, 2009, 131, 5746-5747.	6.6	33
65	Chemoselectivity: The Mother of Invention in Total Synthesis. Accounts of Chemical Research, 2009, 42, 530-541.	7.6	262
66	Synthesis of (+)-Cortistatin A. Journal of the American Chemical Society, 2008, 130, 7241-7243.	6.6	158
67	Total Synthesis of (Â±)-Chartelline C. Journal of the American Chemical Society, 2006, 128, 14028-14029.	6.6	82
68	One-Step Syntesis of 4,5-Disubstituted Pyrimidines Using Commercially Available and Inexpensive Reagents. Heterocycles, 2006, 70, 581.	0.4	13
69	A Remarkable Ring Contraction En Route to the Chartelline Alkaloids. Angewandte Chemie - International Edition, 2005, 44, 3714-3717.	7.2	62
70	Long-Range Effects on Calcium Binding and Conformational Change in the N-Domain of Calmodulinâ€. Biochemistry, 2001, 40, 12719-12726.	1.2	33
71	Asymmetric Syntheses of (+)- and (âˆ')-Collybolide Enable Reevaluation of <i>kappa</i>-Opioid Receptor Agonism. ACS Central Science, 0, , .	5.3	3