Ryan A Shenvi

List of Publications by Year in Descending Order

73 papers	3,661 citations	32 h-index	60 g-index
110 ext. papers	4,355 ext. citations	15.5 avg, IF	6.07 L-index

#	Paper	IF	Citations
73	Stereodivergent Attached-Ring Synthesis via Non-Covalent Interactions: A Short Formal Synthesis of Merrilactone A. *Angewandte Chemie*, **2022**, 134, e202114514	3.6	
72	Concise syntheses of GB22, GB13, and himgaline by cross-coupling and complete reduction.. *Science* , **2022**, 375, 1270-1274	33.3	3
71	Change the channel: CysLoop receptor antagonists from nature. *Pest Management Science*, **2021**, 77, 3650-3662	4.6	3
70	Cobalt-catalyzed alkene hydrogenation by reductive turnover. *Tetrahedron Letters*, **2021**, 72, 153047	2	2
69	Revision of the Unstable Picrotoxinin Hydrolysis Product. *Angewandte Chemie*, **2021**, 133, 19261-19264	3.6	
68	Natural Product Synthesis through the Lens of Informatics. *Accounts of Chemical Research*, **2021**, 54, 1157-1167	24.3	2
67	Revision of the Unstable Picrotoxinin Hydrolysis Product. *Angewandte Chemie - International Edition* , **2021**, 60, 19113-19116	16.4	0
66	Cycloisomerization of Olefins in Water. *Angewandte Chemie*, **2020**, 132, 13098-13103	3.6	6
65	Synthesis of (-)-Picrotoxinin by Late-Stage Strong Bond Activation. *Journal of the American Chemical Society*, **2020**, 142, 11376-11381	16.4	15
64	Electronic complementarity permits hindered butenolide heterodimerization and discovery of novel cGAS/STING pathway antagonists. *Nature Chemistry*, **2020**, 12, 310-317	17.6	16
63	Cycloisomerization of Olefins in Water. *Angewandte Chemie - International Edition*, **2020**, 59, 12998-13003	16.4	17
62	Catalytic hydrogen atom transfer to alkenes: a roadmap for metal hydrides and radicals. *Chemical Science*, **2020**, 11, 12401-12422	9.4	55
61	Synthetic, Mechanistic, and Biological Interrogation of Chemical Space En Route to (-)-Bilobalide. *Journal of the American Chemical Society*, **2020**, 142, 18599-18618	16.4	20
60	Chemical syntheses of the salvinorin chemotype of KOR agonist. *Natural Product Reports*, **2020**, 37, 1478-1496	13.1	4
59	Natural Products in the "Marketplace": Interfacing Synthesis and Biology. *Journal of the American Chemical Society*, **2019**, 141, 3332-3346	16.4	29
58	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	16.4	86
57	Hydroalkylation of Olefins To Form Quaternary Carbons. *Journal of the American Chemical Society*, **2019**, 141, 7709-7714	16.4	81

56	Reanalysis of Lindenatriene, a Building Block for the Synthesis of Lindenane Oligomers. *Tetrahedron*, **2019**, 75, 3140-3144	2.4	
55	Intermolecular Heck Coupling with Hindered Alkenes Directed by Potassium Carboxylates. *Angewandte Chemie*, **2019**, 131, 2393-2398	3.6	4
54	Olefin Hydroarylation via Ni/Co Dual Catalysis. *Trends in Chemistry*, **2019**, 1, 540-541	14.8	1
53	Hydrofunctionalization of Alkenes by Hydrogen-Atom Transfer **2019**, 383-470		10
52	Concise asymmetric synthesis of (-)-bilobalide. *Nature*, **2019**, 575, 643-646	50.4	20
51	Intermolecular Heck Coupling with Hindered Alkenes Directed by Potassium Carboxylates. *Angewandte Chemie - International Edition*, **2019**, 58, 2371-2376	16.4	13
50	Mechanism of Action of the Cytotoxic Asmarine Alkaloids. *ACS Chemical Biology*, **2018**, 13, 1299-1306	4.9	5
49	O6C-20-nor-salvinorin A is a stable and potent KOR agonist. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2770-2772	2.9	8
48	A review of salvinorin analogs and their kappa-opioid receptor activity. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 1436-1445	2.9	29
47	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	6	12
46	Iron-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	16.4	102
45	Mechanistic Interrogation of Co/Ni-Dual Catalyzed Hydroarylation. *Journal of the American Chemical Society*, **2018**, 140, 12056-12068	16.4	108
44	Branch-Selective Addition of Unactivated Olefins into Imines and Aldehydes. *Journal of the American Chemical Society*, **2018**, 140, 16976-16981	16.4	62
43	The High Chemofidelity of Metal-Catalyzed Hydrogen Atom Transfer. *Accounts of Chemical Research*, **2018**, 51, 2628-2640	24.3	119
42	Stereocontrolled Synthesis of Kalihinol C. *Journal of the American Chemical Society*, **2017**, 139, 3647-3650	16.4	18
41	Synthesis of (-)-11-O-Debenzoyltashironin: Neurotrophic Sesquiterpenes Cause Hyperexcitation. *Journal of the American Chemical Society*, **2017**, 139, 9637-9644	16.4	38
40	Dynamic Strategic Bond Analysis Yields a Ten-Step Synthesis of 20-nor-Salvinorin A, a Potent □OR Agonist. *ACS Central Science*, **2017**, 3, 1329-1336	16.8	23
39	Branch-Selective Hydroarylation: Iodoarene-Olefin Cross-Coupling. *Journal of the American Chemical Society*, **2016**, 138, 12779-12782	16.4	170

38	Mn-, Fe-, and Co-Catalyzed Radical Hydrofunctionalizations of Olefins. *Chemical Reviews*, **2016**, 116, 8912-9000	68.1	490
37	Reaction: And You, of Tender Years 1. *CheM*, **2016**, 1, 334-335	16.2	
36	Synthesis of (+)-7,20-Diisocyanoadociane and Liver-Stage Antiplasmodial Activity of the Isocyanoterpene Class. *Journal of the American Chemical Society*, **2016**, 138, 7268-71	16.4	50
35	Synthesis and Sulfur Electrophilicity of the Nuphar Thiaspirane Pharmacophore. *ACS Central Science*, **2016**, 2, 401-8	16.8	17
34	Ph(i-PrO)SiH2: An Exceptional Reductant for Metal-Catalyzed Hydrogen Atom Transfers. *Journal of the American Chemical Society*, **2016**, 138, 4962-71	16.4	156
33	Neurite outgrowth enhancement by jiadifenolide: possible targets. *Natural Product Reports*, **2016**, 33, 535-9	15.1	20
32	Conjuring a Supernatural Product DelMarine. *Synlett*, **2016**, 27, 1145-1164	2.2	14
31	Cluster Preface: Reinventing Radical Reactions. *Synlett*, **2016**, 27, 678-679	2.2	1
30	Synthesis of the Privileged 8-Arylmenthol Class by Radical Arylation of Isopulegol. *Organic Letters*, **2016**, 18, 2620-3	6.2	56
29	An eight-step gram-scale synthesis of (-)-jiadifenolide. *Nature Chemistry*, **2015**, 7, 604-7	17.6	67
28	A Longitudinal Study of Alkaloid Synthesis Reveals Functional Group Interconversions as Bad Actors. *Chemical Reviews*, **2015**, 115, 9465-531	68.1	39
27	Synthesis of Lepadiformine Using a Hydroamination Transform. *Organic Letters*, **2015**, 17, 5776-9	6.2	11
26	Syntheses and biological studies of marine terpenoids derived from inorganic cyanide. *Natural Product Reports*, **2015**, 32, 543-77	15.1	53
25	Nitrosopurines en route to potently cytotoxic asmarines. *Angewandte Chemie - International Edition*, **2015**, 54, 2410-5	16.4	17
24	Supramolecular catalysis: Terpenes in tight spaces. *Nature Chemistry*, **2015**, 7, 187-9	17.6	4
23	Nitrosopurines En Route to Potently Cytotoxic Asmarines. *Angewandte Chemie*, **2015**, 127, 2440-2445	3.6	3
22	Simple, chemoselective hydrogenation with thermodynamic stereocontrol. *Journal of the American Chemical Society*, **2014**, 136, 1300-3	16.4	194
21	Simple, chemoselective, catalytic olefin isomerization. *Journal of the American Chemical Society*, **2014**, 136, 16788-91	16.4	210

20	Synthesis of medicinally relevant terpenes: reducing the cost and time of drug discovery. *Future Medicinal Chemistry*, **2014**, 6, 1127-48	4.1	51
19	Synthesis of (-)-neothiobinupharidine. *Journal of the American Chemical Society*, **2013**, 135, 1209-12	16.4	49
18	Stereoinversion of tertiary alcohols to tertiary-alkyl isonitriles and amines. *Nature*, **2013**, 501, 195-9	50.4	109
17	Synthesis of a potent antimalarial amphilectene. *Journal of the American Chemical Society*, **2012**, 134, 19604-6	16.4	72
16	Synthesis of highly strained terpenes by non-stop tail-to-head polycyclization. *Nature Chemistry*, **2012**, 4, 915-20	17.6	72
15	A stereoselective hydroamination transform to access polysubstituted indolizidines. *Journal of the American Chemical Society*, **2012**, 134, 2012-5	16.4	45
14	Scalable synthesis of cortistatin A and related structures. *Journal of the American Chemical Society*, **2011**, 133, 8014-27	16.4	99
13	Synthetic access to bent polycycles by cation-pi cyclization. *Organic Letters*, **2010**, 12, 3548-51	6.2	34
12	Stereodivergent synthesis of 17-alpha and 17-beta-alpharyl steroids: application and biological evaluation of D-ring cortistatin analogues. *Angewandte Chemie - International Edition*, **2009**, 48, 4328-31	16.4	52
11	A short and efficient synthesis of (-)-7-methylomuralide, a potent proteasome inhibitor. *Journal of the American Chemical Society*, **2009**, 131, 5746-7	16.4	25
10	Chemoselectivity: the mother of invention in total synthesis. *Accounts of Chemical Research*, **2009**, 42, 530-41	24.3	221
9	Synthesis of (+)-cortistatin A. *Journal of the American Chemical Society*, **2008**, 130, 7241-3	16.4	143
8	One-Step Syntesis of 4,5-Disubstituted Pyrimidines Using Commercially Available and Inexpensive Reagents. *Heterocycles*, **2006**, 70, 581	0.8	9
7	Total synthesis of (+/-)-chartelline C. *Journal of the American Chemical Society*, **2006**, 128, 14028-9	16.4	76
6	A remarkable ring contraction en route to the chartelline alkaloids. *Angewandte Chemie - International Edition*, **2005**, 44, 3714-7	16.4	59
5	A Remarkable Ring Contraction En Route to the Chartelline Alkaloids. *Angewandte Chemie*, **2005**, 117, 3780-3783	3.6	13
4	Long-range effects on calcium binding and conformational change in the N-domain of calmodulin. *Biochemistry*, **2001**, 40, 12719-26	3.2	33
3	Synthesis and Mechanistic Interrogation of Ginkgo biloba Chemical Space en route to (□)-Bilobalide		2