

# Ryan A Shenvi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1606667/publications.pdf>

Version: 2024-02-01

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	Mn-, Fe-, and Co-Catalyzed Radical Hydrofunctionalizations of Olefins. <i>Chemical Reviews</i> , 2016, 116, 8912-9000.	23.0	707
2	Simple, Chemoselective, Catalytic Olefin Isomerization. <i>Journal of the American Chemical Society</i> , 2014, 136, 16788-16791.	6.6	292
3	Chemoselectivity: The Mother of Invention in Total Synthesis. <i>Accounts of Chemical Research</i> , 2009, 42, 530-541.	7.6	262
4	Simple, Chemoselective Hydrogenation with Thermodynamic Stereocontrol. <i>Journal of the American Chemical Society</i> , 2014, 136, 1300-1303.	6.6	261
5	The High Chemofidelity of Metal-Catalyzed Hydrogen Atom Transfer. <i>Accounts of Chemical Research</i> , 2018, 51, 2628-2640.	7.6	220
6	Branch-Selective Hydroarylation: Iodoarene-olefin Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2016, 138, 12779-12782.	6.6	216
7	Ph( <i>i</i> -PrO)SiH <sub>2</sub> : An Exceptional Reductant for Metal-Catalyzed Hydrogen Atom Transfers. <i>Journal of the American Chemical Society</i> , 2016, 138, 4962-4971.	6.6	206
8	Mechanistic Interrogation of Co/Ni-Dual Catalyzed Hydroarylation. <i>Journal of the American Chemical Society</i> , 2018, 140, 12056-12068.	6.6	160
9	Synthesis of (+)-Cortistatin A. <i>Journal of the American Chemical Society</i> , 2008, 130, 7241-7243.	6.6	158
10	Catalytic hydrogen atom transfer to alkenes: a roadmap for metal hydrides and radicals. <i>Chemical Science</i> , 2020, 11, 12401-12422.	3.7	158
11	Iron-Nickel Dual-Catalysis: A New Engine for Olefin Functionalization and the Formation of Quaternary Centers. <i>Journal of the American Chemical Society</i> , 2018, 140, 11317-11324.	6.6	144
12	Stereoinversion of tertiary alcohols to tertiary-alkyl isonitriles and amines. <i>Nature</i> , 2013, 501, 195-199.	13.7	134
13	Hydroalkylation of Olefins To Form Quaternary Carbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 7709-7714.	6.6	134
14	Expanding Reactivity in DNA-Encoded Library Synthesis via Reversible Binding of DNA to an Inert Quaternary Ammonium Support. <i>Journal of the American Chemical Society</i> , 2019, 141, 9998-10006.	6.6	119
15	Scalable Synthesis of Cortistatin A and Related Structures. <i>Journal of the American Chemical Society</i> , 2011, 133, 8014-8027.	6.6	115
16	Branch-Selective Addition of Unactivated Olefins into Imines and Aldehydes. <i>Journal of the American Chemical Society</i> , 2018, 140, 16976-16981.	6.6	110
17	Total Synthesis of (±)-Chartelline C. <i>Journal of the American Chemical Society</i> , 2006, 128, 14028-14029.	6.6	82
18	Synthesis of a Potent Antimalarial Amphilectene. <i>Journal of the American Chemical Society</i> , 2012, 134, 19604-19606.	6.6	82

#	ARTICLE	IF	CITATIONS
19	Synthesis of highly strained terpenes by non-stop tail-to-head polycyclization. <i>Nature Chemistry</i> , 2012, 4, 915-920.	6.6	81
20	An eight-step gram-scale synthesis of (±)-jiadifenolide. <i>Nature Chemistry</i> , 2015, 7, 604-607.	6.6	80
21	Syntheses and biological studies of marine terpenoids derived from inorganic cyanide. <i>Natural Product Reports</i> , 2015, 32, 543-577.	5.2	72
22	Synthesis of (+)-7,20-Diisocyanoadociane and Liver-Stage Antiplasmodial Activity of the Isocyanoterpene Class. <i>Journal of the American Chemical Society</i> , 2016, 138, 7268-7271.	6.6	64
23	Synthesis of the Privileged 8-Arylmenthol Class by Radical Arylation of Isopulegol. <i>Organic Letters</i> , 2016, 18, 2620-2623.	2.4	63
24	A Remarkable Ring Contraction En Route to the Chartelline Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3714-3717.	7.2	62
25	Synthesis of medicinally relevant terpenes: reducing the cost and time of drug discovery. <i>Future Medicinal Chemistry</i> , 2014, 6, 1127-1148.	1.1	61
26	Stereodivergent Synthesis of 17 $\alpha$ - and 17 $\beta$ -Aryl Steroids: Application and Biological Evaluation of D $\alpha$ -Ring Cortistatin Analogues. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4328-4331.	7.2	60
27	A Stereoselective Hydroamination Transform To Access Polysubstituted Indolizidines. <i>Journal of the American Chemical Society</i> , 2012, 134, 2012-2015.	6.6	59
28	Synthesis of (±)-Neothiobinupharidine. <i>Journal of the American Chemical Society</i> , 2013, 135, 1209-1212.	6.6	57
29	A Longitudinal Study of Alkaloid Synthesis Reveals Functional Group Interconversions as Bad Actors. <i>Chemical Reviews</i> , 2015, 115, 9465-9531.	23.0	57
30	Synthesis of (±)-11-O-Debenzoyltashironin: Neurotrophic Sesquiterpenes Cause Hyperexcitation. <i>Journal of the American Chemical Society</i> , 2017, 139, 9637-9644.	6.6	54
31	Natural Products in the "Marketplace": Interfacing Synthesis and Biology. <i>Journal of the American Chemical Society</i> , 2019, 141, 3332-3346.	6.6	52
32	A review of salvinorin analogs and their kappa-opioid receptor activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1436-1445.	1.0	46
33	Synthetic, Mechanistic, and Biological Interrogation of <i>Ginkgo biloba</i> Chemical Space En Route to (±)-Bilobalide. <i>Journal of the American Chemical Society</i> , 2020, 142, 18599-18618.	6.6	40
34	Concise asymmetric synthesis of (±)-bilobalide. <i>Nature</i> , 2019, 575, 643-646.	18.7	39
35	Cycloisomerization of Olefins in Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12998-13003.	7.2	37
36	Synthetic Access to Bent Polycycles by Cation-Induced Cyclization. <i>Organic Letters</i> , 2010, 12, 3548-3551.	2.4	34

#	ARTICLE	IF	CITATIONS
37	Dynamic Strategic Bond Analysis Yields a Ten-Step Synthesis of 20-nor-Salvinorin A, a Potent $\hat{\mu}$ -OR Agonist. ACS Central Science, 2017, 3, 1329-1336.	5.3	34
38	Electronic complementarity permits hindered butenolide heterodimerization and discovery of novel cGAS/STING pathway antagonists. Nature Chemistry, 2020, 12, 310-317.	6.6	34
39	Long-Range Effects on Calcium Binding and Conformational Change in the N-Domain of Calmodulin. Biochemistry, 2001, 40, 12719-12726.	1.2	33
40	A Short and Efficient Synthesis of ( $\hat{\alpha}$ )-7-Methylomuralide, a Potent Proteasome Inhibitor. Journal of the American Chemical Society, 2009, 131, 5746-5747.	6.6	33
41	Synthesis of ( $\hat{\alpha}$ )-Picrotoxinin by Late-Stage Strong Bond Activation. Journal of the American Chemical Society, 2020, 142, 11376-11381.	6.6	32
42	Neurite outgrowth enhancement by jiadifenolide: possible targets. Natural Product Reports, 2016, 33, 535-539.	5.2	28
43	Stereocontrolled Synthesis of Kalihinol C. Journal of the American Chemical Society, 2017, 139, 3647-3650.	6.6	28
44	Intermolecular Heck Coupling with Hindered Alkenes Directed by Potassium Carboxylates. Angewandte Chemie - International Edition, 2019, 58, 2371-2376.	7.2	28
45	Nitrosipurines En Route to Potently Cytotoxic Asmarines. Angewandte Chemie - International Edition, 2015, 54, 2410-2415.	7.2	23
46	Natural Product Synthesis through the Lens of Informatics. Accounts of Chemical Research, 2021, 54, 1157-1167.	7.6	21
47	Synthesis and Sulfur Electrophilicity of the <i>Nuphar</i> Thiaspirane Pharmacophore. ACS Central Science, 2016, 2, 401-408.	5.3	20
48	Concise syntheses of GB22, GB13, and himgaline by cross-coupling and complete reduction. Science, 2022, 375, 1270-1274.	6.0	20
49	Conjuring a Supernatural Product "DelMarine. Synlett, 2016, 27, 1145-1164.	1.0	19
50	Synthesis of Lepadiformine Using a Hydroamination Transform. Organic Letters, 2015, 17, 5776-5779.	2.4	18
51	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
52	Chemical syntheses of the salvinorin chemotype of KOR agonist. Natural Product Reports, 2020, 37, 1478-1496.	5.2	14
53	One-Step Synthesis of 4,5-Disubstituted Pyrimidines Using Commercially Available and Inexpensive Reagents. Heterocycles, 2006, 70, 581.	0.4	13
54	O6C-20-nor-salvinorin A is a stable and potent KOR agonist. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2770-2772.	1.0	12

#	ARTICLE	IF	CITATIONS
55	Cobalt-catalyzed alkene hydrogenation by reductive turnover. <i>Tetrahedron Letters</i> , 2021, 72, 153047.	0.7	12
56	Change the channel: <sc>CysLoop</sc> receptor antagonists from nature. <i>Pest Management Science</i> , 2021, 77, 3650-3662.	1.7	10
57	Cycloisomerization of Olefins in Water. <i>Angewandte Chemie</i> , 2020, 132, 13098-13103.	1.6	10
58	Synthesis and target annotation of the alkaloid GB18. <i>Nature</i> , 2022, 606, 917-921.	13.7	10
59	Stereodivergent Attachedâ€Ring Synthesis via Nonâ€Covalent Interactions: A Short Formal Synthesis of Merrilactone A. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
60	Nitrosipurines En Route to Potently Cytotoxic Asmarines. <i>Angewandte Chemie</i> , 2015, 127, 2440-2445.	1.6	6
61	Mechanism of Action of the Cytotoxic Asmarine Alkaloids. <i>ACS Chemical Biology</i> , 2018, 13, 1299-1306.	1.6	5
62	Intermolecular Heck Coupling with Hindered Alkenes Directed by Potassium Carboxylates. <i>Angewandte Chemie</i> , 2019, 131, 2393-2398.	1.6	5
63	Terpenes in tight spaces. <i>Nature Chemistry</i> , 2015, 7, 187-189.	6.6	4
64	Revision of the Unstable Picrotoxinin Hydrolysis Product. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19113-19116.	7.2	3
65	Asymmetric Syntheses of (+)- and (âˆ)—Collybolide Enable Reevaluation of <i>kappa</i>-Opioid Receptor Agonism. <i>ACS Central Science</i> , 0, , .	5.3	3
66	Reanalysis of lindenatriene, a building block for the synthesis of lindenane oligomers. <i>Tetrahedron</i> , 2019, 75, 3140-3144.	1.0	2
67	Cluster Preface: Reinventing Radical Reactions. <i>Synlett</i> , 2016, 27, 678-679.	1.0	1
68	Olefin Hydroarylation via Ni/Co Dual Catalysis. <i>Trends in Chemistry</i> , 2019, 1, 540-541.	4.4	1
69	Reaction: And You, of Tender Years 1. <i>CheM</i> , 2016, 1, 334-335.	5.8	0
70	Revision of the Unstable Picrotoxinin Hydrolysis Product. <i>Angewandte Chemie</i> , 2021, 133, 19261-19264.	1.6	0
71	Stereodivergent Attachedâ€Ring Synthesis via Nonâ€Covalent Interactions: A Short Formal Synthesis of Merrilactone A. <i>Angewandte Chemie</i> , 2022, 134, e202114514.	1.6	0