

# Rohan R Merchant

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5015963/publications.pdf>

Version: 2024-02-01

14  
papers

1,063  
citations

759055

12  
h-index

1058333

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decarboxylative alkenylation. <i>Nature</i> , 2017, 545, 213-218.	13.7	277
2	Modular radical cross-coupling with sulfones enables access to sp <sup>3</sup> -rich (fluoro)alkylated scaffolds. <i>Science</i> , 2018, 360, 75-80.	6.0	167
3	A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 6726-6739.	6.6	148
4	Quaternary Centers by Nickel-Catalyzed Cross-Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2454-2458.	7.2	76
5	Divergent Synthesis of Pyrone Diterpenes via Radical Cross Coupling. <i>Journal of the American Chemical Society</i> , 2018, 140, 7462-7465.	6.6	72
6	An intramolecular coupling approach to alkyl bioisosteres for the synthesis of multisubstituted bicycloalkyl boronates. <i>Nature Chemistry</i> , 2021, 13, 950-955.	6.6	72
7	Practical and Modular Construction of C(sp <sup>3</sup> )-Rich Alkyl Boron Compounds. <i>Journal of the American Chemical Society</i> , 2021, 143, 471-480.	6.6	59
8	Serine-Selective Bioconjugation. <i>Journal of the American Chemical Society</i> , 2020, 142, 17236-17242.	6.6	58
9	Modular, stereocontrolled C <sup>2</sup> -H/C <sup>1</sup> -C activation of alkyl carboxylic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8721-8727.	3.3	39
10	A General C(sp <sup>3</sup> )-C(sp <sup>3</sup> ) Cross-Coupling of Benzyl Sulfonylhydrazones with Alkyl Boronic Acids. <i>Organic Letters</i> , 2020, 22, 2271-2275.	2.4	30
11	Strain-release 2-azaallyl anion addition/borylation of [1.1.1]propellane: synthesis and functionalization of benzylamine bicyclo[1.1.1]pentyl boronates. <i>Chemical Science</i> , 2021, 12, 7066-7072.	3.7	30
12	Quaternary Centers by Nickel-Catalyzed Cross-Coupling of Tertiary Carboxylic Acids and (Hetero)Aryl Zinc Reagents. <i>Angewandte Chemie</i> , 2019, 131, 2476-2480.	1.6	17
13	A General One-Pot Protocol for Hindered <i>N</i> -Alkyl Azaheterocycles from Tertiary Carboxylic Acids. <i>Organic Letters</i> , 2020, 22, 4180-4184.	2.4	11
14	Enantioenriched BCP Benzylamine Synthesis via Metal Hydride Hydrogen Atom Transfer/Sulfinimine Addition to [1.1.1]Propellane. <i>Organic Letters</i> , 2022, 24, 110-114.	2.4	7