

Vaibhav Pravinchandra Mehta

List of Publications by Year in descending order

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37
papers

1,937
citations

279487

23
h-index

315357

38
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65
all docs

65
docs citations

65
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal-catalyzed C–C bond formation via C–S bond cleavage: an overview. <i>Chemical Society Reviews</i> , 2013, 42, 5042.	18.7	325
2	Microwave-assisted C–C bond forming cross-coupling reactions: an overview. <i>Chemical Society Reviews</i> , 2011, 40, 4925.	18.7	156
3	Recent advances in transition-metal-free direct C–C and C–heteroatom bond forming reactions. <i>RSC Advances</i> , 2013, 3, 11957.	1.7	155
4	Microwave-assisted cycloaddition reactions. <i>Chemical Society Reviews</i> , 2010, 39, 1467-1477.	18.7	151
5	S-, N-, and Se-Difluoromethylation Using Sodium Chlorodifluoroacetate. <i>Organic Letters</i> , 2013, 15, 5036-5039.	2.4	128
6	Ruthenium-Catalyzed Cascade C–H Functionalization of Phenylacetophenones. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1529-1533.	7.2	90
7	A Microwave-Assisted Diastereoselective Multicomponent Reaction To Access Dibenzo[<i>c,e</i>]azepinones: Synthesis and Biological Evaluation. <i>Journal of Organic Chemistry</i> , 2011, 76, 2828-2839.	1.7	77
8	Ir-Alkyl-Pd Species for Remote C–H Functionalization. <i>ChemCatChem</i> , 2017, 9, 1149-1156.	1.8	70
9	Diversity-Oriented Synthesis of Dibenzoazocines and Dibenzoazepines via a Microwave-Assisted Intramolecular A ³ -Coupling Reaction. <i>Organic Letters</i> , 2010, 12, 2774-2777.	2.4	65
10	Palladium-Catalyzed Mono-C ₂ -Arylation of Acetone with Aryl Imidazolylsulfonates. <i>Chemistry - A European Journal</i> , 2012, 18, 10230-10233.	1.7	65
11	The First Palladium-Catalyzed Desulfitative Sonogashira-Type Cross-Coupling of (Hetero)aryl Thioethers with Terminal Alkynes. <i>Organic Letters</i> , 2008, 10, 1147-1150.	2.4	63
12	Diversity-Oriented Microwave-Assisted Synthesis of the 3-Benzazepine Framework. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4861-4867.	1.2	50
13	A convenient microwave-assisted desulfitative dimethylamination of the 2(1H)-pyrazinone scaffold using N,N-dimethylformamide. <i>Tetrahedron</i> , 2008, 64, 2605-2610.	1.0	47
14	Microwave-Assisted Synthesis of Pyrazino[2,1- <i>b</i>]quinazolines and 3-Indolyl-2(1H)-pyrazinones Employing a Chemoselective Silver(I)- and Gold(I)-Catalyzed Reaction. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1593-1599.	2.1	43
15	Microwave-Assisted Palladium-Catalyzed Phosphonium Coupling of 2(1H)-Pyrazinones. <i>Journal of Organic Chemistry</i> , 2010, 75, 976-979.	1.7	41
16	An Expedient Route toward Pyrazine-Containing Nucleoside Analogues. <i>Journal of Organic Chemistry</i> , 2011, 76, 846-856.	1.7	40
17	Diversity Oriented Microwave-Assisted Synthesis of (â)-Steganacin Aza-Analogues. <i>Journal of Organic Chemistry</i> , 2008, 73, 7509-7516.	1.7	39
18	Palladium-Catalyzed Desulfitative C–C Cross-Coupling Reaction of (Hetero)Aryl Thioesters and Thioethers with Arylsiloxanes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2174-2178.	2.1	36

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19	Mild Room-Temperature Palladium-Catalyzed C3-Arylation of 2(1H)-Pyrazinones via a Desulfinitative Kumada-Type Cross-Coupling Reaction. <i>Journal of Organic Chemistry</i> , 2009, 74, 6870-6873.	1.7	34
20	A Novel and Versatile Entry to Asymmetrically Substituted Pyrazines. <i>Journal of Organic Chemistry</i> , 2008, 73, 2382-2388.	1.7	33
21	Palladium-catalyzed copper(i)-mediated cross-coupling of arylboronic acids and 2(1H)-pyrazinones facilitated by microwave irradiation with simultaneous cooling. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2962.	1.5	24
22	Synthesis of Furo[2,3- <i>b</i>]pyrazine Nucleoside Analogues with 1,2,3-Triazole Linkage. <i>QSAR and Combinatorial Science</i> , 2007, 26, 1266-1273.	1.5	24
23	Synthesis and HIV-1 RT inhibitory action of novel (4/6-substituted benzo[d]thiazol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Inhibition and Medicinal Chemistry, 2013, 28, 113-122.	2.5	22
24	N-Heterocyclic Carbene Catalyzed Aroylation of 3,5-Dichloro-2(1H)-pyrazinones. <i>Journal of Organic Chemistry</i> , 2011, 76, 2920-2925.	1.7	19
25	Microwave-assisted synthesis of a novel class of imidazolylthiazolidin-4-ones and evaluation of its biological activities. <i>Molecular Diversity</i> , 2010, 14, 767-776.	2.1	16
26	Microwave-Assisted Chemistry of 2(1H)-pyrazinones. <i>Current Organic Chemistry</i> , 2011, 15, 265-283.	0.9	16
27	Diversity-Oriented Synthesis of Substituted Furo[2,3- <i>b</i>]pyrazines. <i>Australian Journal of Chemistry</i> , 2009, 62, 27.	0.5	15
28	Highly sensitive and selective "turn-off" fluorescent probes based on coumarin for detection of Cu ²⁺ . <i>Colloids and Interface Science Communications</i> , 2021, 43, 100451.	2.0	15
29	Scale Effect of a Fluorescent Waveguide in Organic Micromaterials: A Case Study Based on Coumarin Microfibers. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5997-6002.	2.1	13
30	Pd-catalyzed cascade reactions involving skipped dienes: from double carbopalladation to remote C-C cleavage. <i>Chemical Communications</i> , 2019, 55, 10281-10284.	2.2	12
31	Synthesis of 5-(phenylsulfanyl)-1,4-dihydropyrazine-2,3-diones via an unexpected microwave-assisted cascade reaction. <i>Tetrahedron Letters</i> , 2008, 49, 4993-4996.	0.7	7
32	Synthesis of [3.4]-Spirooxindoles through Cascade Carbopalladation of Skipped Dienes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1899-1904.	2.1	6
33	Straightforward Functionalization of 3,5-Dichloro-2-pyrazinones under Simultaneous Microwave and Ultrasound Irradiation. <i>Synthesis</i> , 2010, 2010, 136-140.	1.2	5
34	Efficient Preparation of Tetrasubstituted Pyrazines Starting from Pyrazin-2(1H)-ones. <i>Synthesis</i> , 2012, 44, 1614-1624.	1.2	5
35	Ag ⁺ -Mediated Synthesis of Substituted Furo[2,3- <i>b</i>]pyrazines. <i>Synlett</i> , 2007, 2007, 3117-3122.	1.0	4
36	Synthesis and fungicidal activity of 3,5-dichloropyrazin-2(1H)-one derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4064-4066.	1.0	2

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37	Metal-free synthesis of chromeno[4,3-c]pyrazol-3(2H)-one derivatives. Tetrahedron Letters, 2019, 60, 362-365.	0.7	0