

Paramasivam Sivaguru

List of Publications by Year in descending order

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39
papers

1,364
citations

331259

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344852

36
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all docs

47
docs citations

47
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Cleavage of carbon-carbon bonds by radical reactions. <i>Chemical Society Reviews</i> , 2019, 48, 2615-2656.	18.7	259
2	Catalyst-Dependent Chemoselective Formal Insertion of Diazo Compounds into C-C or C-H Bonds of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8927-8931.	7.2	93
3	New Strategies for the Synthesis of Aliphatic Azides. <i>Chemical Reviews</i> , 2021, 121, 4253-4307.	23.0	82
4	Silver-Catalyzed Activation of Terminal Alkynes for Synthesizing Nitrogen-Containing Molecules. <i>Accounts of Chemical Research</i> , 2020, 53, 662-675.	7.6	66
5	<i>N</i> -Triftosylhydrazones: A New Chapter for Diazo-Based Carbene Chemistry. <i>Accounts of Chemical Research</i> , 2022, 55, 1763-1781.	7.6	65
6	Silver-Catalyzed anti-Markovnikov Hydroboration of C-C Multiple Bonds. <i>Organic Letters</i> , 2019, 21, 4035-4038.	2.4	54
7	Silver-Catalyzed Tandem C-C Bond Hydroazidation/Radical Addition/Cyclization of Biphenyl Acetylene: One-Pot Synthesis of 6-Methyl Sulfonylated Phenanthridines. <i>Organic Letters</i> , 2017, 19, 4026-4029.	2.4	48
8	Difluoroacetaldehyde <i>N</i> -Triftosylhydrazone (DFHZ-Tfs) as a Bench-Stable Crystalline Diazo Surrogate for Diazoacetaldehyde and Difluorodiaoethane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6473-6481.	7.2	45
9	Cycloaddition of Trifluoroacetaldehyde <i>N</i> -Triftosylhydrazone (TFHZ-Tfs) with Alkynes for Synthesizing 3-Trifluoromethylpyrazoles. <i>Organic Letters</i> , 2020, 22, 2012-2016.	2.4	40
10	SO ₃ H@carbon powder derived from waste orange peel: An efficient, nano-sized greener catalyst for the synthesis of dihydropyrano[2,3- <i>c</i>]pyrazole derivatives. <i>Advanced Powder Technology</i> , 2020, 31, 1516-1528.	2.0	40
11	Synthesis of ¹² -Difluoroalkyl Azides via Elusive 1,2-Azide Migration. <i>Chem</i> , 2020, 6, 486-496.	5.8	37
12	Synthetic exploration of sulfinyl radicals using sulfinyl sulfones. <i>Nature Communications</i> , 2021, 12, 5244.	5.8	37
13	Palladium(II)-Catalyzed Cross-Coupling of Diazo Compounds and Isocyanides to Access Ketenimines. <i>ACS Catalysis</i> , 2020, 10, 12881-12887.	5.5	35
14	Silver carbenoids derived from diazo compounds: A historical perspective on challenges and opportunities. <i>Chem Catalysis</i> , 2021, 1, 599-630.	2.9	34
15	Fluoroalkyl <i>N</i> -Triftosylhydrazones as Easily Decomposable Diazo Surrogates for Asymmetric [2 + 1] Cycloaddition: Synthesis of Chiral Fluoroalkyl Cyclopropenes and Cyclopropanes. <i>ACS Catalysis</i> , 2021, 11, 8527-8537.	5.5	32
16	Synthesis of 5-substituted 1H-tetrazoles catalyzed by ceric ammonium nitrate supported HY-zeolite. <i>Tetrahedron Letters</i> , 2014, 55, 5683-5686.	0.7	31
17	Ceric ammonium nitrate supported HY-zeolite: An efficient catalyst for the synthesis of 1,8-dioxo-octahydroxanthenes. <i>Chinese Chemical Letters</i> , 2014, 25, 321-323.	4.8	30
18	Synthesis and antioxidant properties of novel 2H-chromene-3-carboxylate and 3-acetyl-2H-chromene derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 2496-2501.	0.7	30

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19	Silver-catalyzed site-selective C(sp ³)–H benzylation of ethers with N-triflylhydrazones. <i>Nature Communications</i> , 2022, 13, 1674.	5.8	28
20	A Carbene Strategy for Progressive (Deutero)Hydrodefluorination of Fluoroalkyl Ketones. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	27
21	Fluoroalkyl N-sulfonyl hydrazones: An efficient reagent for the synthesis of fluoroalkylated compounds. <i>Science China Chemistry</i> , 2021, 64, 1614-1629.	4.2	25
22	Synthesis of 2-aryl-2,3-dihydroquinazolin-4(1H)-ones using boric acid-functionalized MCM-41 as a novel heterogeneous catalyst under solvent-free condition. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 95-100.	1.2	23
23	Catalytic Asymmetric C(sp ³)–H Carbene Insertion Approach to Access Enantioenriched 3-Fluoroalkyl 2,3-Dihydrobenzofurans. <i>ACS Catalysis</i> , 2021, 11, 14293-14301.	5.5	22
24	Metal free organic transformation: cyanuric chloride catalyzed synthesis of 5-substituted-1H-tetrazoles. <i>Tetrahedron Letters</i> , 2015, 56, 2203-2206.	0.7	21
25	Catalyst-Dependent Chemoselective Formal Insertion of Diazo Compounds into C=C or C–H Bonds of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie</i> , 2018, 130, 9065-9069.	1.6	20
26	Synthesis of novel bis(pyrimido[5,4-c]quinoline-2,4(1H,3H)-dione) and its derivatives: Evaluation of their antioxidant properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3873-3878.	1.0	19
27	Antioxidant, anticancer and electrochemical redox properties of new bis(2,3-dihydroquinazolin-4(1H)-one) derivatives. <i>Molecular Diversity</i> , 2017, 21, 611-620.	2.1	18
28	Ag-Catalyzed Insertion of Alkynyl Carbenes into C=C Bonds of α^2 -Ketocarboxyls: A Formal C(sp ²) Insertion. <i>Organic Letters</i> , 2022, 24, 631-636.	2.4	16
29	The merger of vinyl-N-triflylhydrazones and silver catalysis to enable stereoselective vinylcyclopropanation of alkenes. <i>Chem Catalysis</i> , 2022, 2, 563-577.	2.9	16
30	Defluorinative [4 + 1] annulation of perfluoroalkyl <i>N</i> -mesylhydrazones with primary amines provides 5-fluoroalkyl 1,2,3-triazoles. <i>Green Chemistry</i> , 2021, 23, 7976-7981.	4.6	12
31	Synthesis of novel eight-membered dibenzo[b,f][1,5]oxazocin-6-ones. <i>Tetrahedron Letters</i> , 2016, 57, 2549-2553.	0.7	11
32	Synthesis, Biological Evaluation and Molecular Docking of Novel Curcumin Derivatives as Bcl-2 Inhibitors Targeting Human Breast Cancer MCF7 Cells. <i>ChemistrySelect</i> , 2017, 2, 11552-11560.	0.7	11
33	A Carbene Strategy for Progressive (Deutero)Hydrodefluorination of Fluoroalkyl Ketones. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
34	[4+1] Annulation of in situ generated azoalkenes with amines: A powerful approach to access 1-substituted 1,2,3-triazoles. <i>Chinese Chemical Letters</i> , 2022, 33, 1550-1554.	4.8	8
35	Synthesis, anticancer evaluation, and docking studies of some novel azo chromene derivatives. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1877-1886.	0.8	7
36	Neighbouring carbonyl group-assisted sequential 1,2-azide and 1,4-oxygen migrations of vinyl azides leading to α -azido ketones. <i>Science China Chemistry</i> , 2020, 63, 460-466.	4.2	7

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37	Difluoroacetaldehyde <i>N</i> -triflylhydrazone (DFHZ-Tf) as a Bench-Stable Crystalline Diazo Surrogate for Diazoacetaldehyde and Difluorodiaoethane. <i>Angewandte Chemie</i> , 2020, 132, 6535-6543.	1.6	3
38	Glacial Acetic Acid-Assisted One-Pot Synthesis of Diverse Octahydroacridin-4-Methylbenzenesulfonamides via Tandem Cascade Reactions. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 1045-1058.	1.4	2
39	<i>Abstract</i> : Catalyst-Dependent Chemoselective Formal Insertion of Diazo Compounds into C-C or C-H Bonds of 1,3-Dicarbonyl Compounds (<i>Angew. Chem.</i> 32/2018). <i>Angewandte Chemie</i> , 2018, 130, 10536-10536.	1.6	0