

# Kathiravan Murugesan

## List of Publications by Year in descending order

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27  
papers

1,885  
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361296  
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times ranked

2088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoredox-Catalyzed Site-Selective Generation of Carbanions from C(sp <sup>3</sup> )-H Bonds in Amines. ACS Catalysis, 2022, 12, 3974-3984.	5.5	20
2	Decarboxylative Ritter-Type Amination by Cooperative Iodine (I/III)-Boron Lewis Acid Catalysis. ACS Catalysis, 2022, 12, 809-817.	5.5	28
3	Synthesis of Unnatural $\alpha$ -Amino Acid Derivatives via Photoredox Activation of Inert C(sp <sup>3</sup> )-H Bonds. Organic Letters, 2022, 24, 4793-4797.	2.4	19
4	C(sp <sup>3</sup> )-H Ritter amination by excitation of <i>in situ</i> generated iodine( <sup>III</sup> )-BF <sub>3</sub> complexes. Chemical Communications, 2022, 58, 8778-8781.	2.2	18
5	Visible-Light-Promoted Metal-Free Synthesis of (Hetero)Aromatic Nitriles from C(sp <sup>3</sup> )-H Bonds**. Angewandte Chemie - International Edition, 2021, 60, 2439-2445.	7.2	39
6	Visible-Light-Promoted Metal-Free Synthesis of (Hetero)Aromatic Nitriles from C(sp <sup>3</sup> )-H Bonds**. Angewandte Chemie, 2021, 133, 2469-2475.	1.6	3
7	Photocatalytic (Hetero)arylation of C(sp <sup>3</sup> )-H Bonds with Carbon Nitride. ACS Catalysis, 2021, 11, 1593-1603.	5.5	74
8	Reductive N-alkylation of primary amides using nickel-nanoparticles. Tetrahedron, 2021, , 132526.	1.0	0
9	Photocatalytic Reductive Radical-Polar Crossover for a Base-Free Corey-Seebach Reaction. Chemistry - A European Journal, 2020, 26, 12945-12950.	1.7	28
10	Catalytic reductive aminations using molecular hydrogen for synthesis of different kinds of amines. Chemical Society Reviews, 2020, 49, 6273-6328.	18.7	240
11	A General Catalyst Based on Cobalt Core-Shell Nanoparticles for the Hydrogenation of N-Heteroarenes Including Pyridines. Angewandte Chemie, 2020, 132, 17561-17565.	1.6	8
12	A General Catalyst Based on Cobalt Core-Shell Nanoparticles for the Hydrogenation of N-Heteroarenes Including Pyridines. Angewandte Chemie - International Edition, 2020, 59, 17408-17412.	7.2	58
13	Reductive amination using cobalt-based nanoparticles for synthesis of amines. Nature Protocols, 2020, 15, 1313-1337.	5.5	56
14	General and selective synthesis of primary amines using Ni-based homogeneous catalysts. Chemical Science, 2020, 11, 4332-4339.	3.7	29
15	Levulinic Acid Derived Reusable Cobalt-Nanoparticles-Catalyzed Sustainable Synthesis of $\gamma$ -Valerolactone. ACS Sustainable Chemistry and Engineering, 2019, 7, 14756-14764.	3.2	42
16	Cobalt-Nanoparticles Catalyzed Efficient and Selective Hydrogenation of Aromatic Hydrocarbons. ACS Catalysis, 2019, 9, 8581-8591.	5.5	52
17	Monodisperse nickel-nanoparticles for stereo- and chemoselective hydrogenation of alkynes to alkenes. Journal of Catalysis, 2019, 370, 372-377.	3.1	30
18	Nickel-Catalyzed Stereodivergent Synthesis of <i>E</i> - and <i>Z</i> -Alkenes by Hydrogenation of Alkynes. ChemSusChem, 2019, 12, 3363-3369.	3.6	59

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19	Reusable Nickel Nanoparticlesâ€Catalyzed Reductive Amination for Selective Synthesis of Primary Amines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5064-5068.	7.2	94
20	Reusable Nickel Nanoparticlesâ€Catalyzed Reductive Amination for Selective Synthesis of Primary Amines. <i>Angewandte Chemie</i> , 2019, 131, 5118-5122.	1.6	32
21	Homogeneous cobalt-catalyzed reductive amination for synthesis of functionalized primary amines. <i>Nature Communications</i> , 2019, 10, 5443.	5.8	57
22	Expedient Synthesis of N -Methyl- and N -Alkylamines by Reductive Amination using Reusable Cobalt Oxide Nanoparticles. <i>ChemCatChem</i> , 2018, 10, 1205-1205.	1.8	0
23	Stable and reusable nanoscale Fe <sub>2</sub> O <sub>3</sub> -catalyzed aerobic oxidation process for the selective synthesis of nitriles and primary amides. <i>Green Chemistry</i> , 2018, 20, 266-273.	4.6	47
24	Expedient Synthesis of <i>N</i> -Methyl- and <i>N</i> -Alkylamines by Reductive Amination using Reusable Cobalt Oxide Nanoparticles. <i>ChemCatChem</i> , 2018, 10, 1235-1240.	1.8	29
25	Simple ruthenium-catalyzed reductive amination enables the synthesis of a broad range of primary amines. <i>Nature Communications</i> , 2018, 9, 4123.	5.8	132
26	Cobalt-based nanoparticles prepared from MOFâ€carbon templates as efficient hydrogenation catalysts. <i>Chemical Science</i> , 2018, 9, 8553-8560.	3.7	87
27	MOF-derived cobalt nanoparticles catalyze a general synthesis of amines. <i>Science</i> , 2017, 358, 326-332.	6.0	604