

Kuntal Manna

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,458
citations

361413

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h-index

552781

26
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32
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32
docs citations

32
times ranked

2916
citing authors

#	ARTICLE	IF	CITATIONS
1	Postsynthetic Metalation of Bipyridyl-Containing Metal-Organic Frameworks for Highly Efficient Catalytic Organic Transformations. <i>Journal of the American Chemical Society</i> , 2014, 136, 6566-6569.	13.7	281
2	Bipyridine- and Phenanthroline-Based Metal-Organic Frameworks for Highly Efficient and Tandem Catalytic Organic Transformations via Directed C-H Activation. <i>Journal of the American Chemical Society</i> , 2015, 137, 2665-2673.	13.7	266
3	Metal-Organic Framework Nodes Support Single-Site Magnesium-Alkyl Catalysts for Hydroboration and Hydroamination Reactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 7488-7491.	13.7	230
4	Chemoselective single-site Earth-abundant metal catalysts at metal-organic framework nodes. <i>Nature Communications</i> , 2016, 7, 12610.	12.8	225
5	Metal-Organic Frameworks Stabilize Solution-Inaccessible Cobalt Catalysts for Highly Efficient Broad-Scope Organic Transformations. <i>Journal of the American Chemical Society</i> , 2016, 138, 3241-3249.	13.7	212
6	Single-Site Cobalt Catalysts at New Zr ₁₂ (μ_3 -O) ₈ (μ_3 -OH) ₈ (μ_2 -OH) ₆ Metal-Organic Framework Nodes for Highly Active Hydrogenation of Nitroarenes, Nitriles, and Isocyanides. <i>Journal of the American Chemical Society</i> , 2017, 139, 7004-7011.	13.7	211
7	Salicylaldimine-Based Metal-Organic Framework Enabling Highly Active Olefin Hydrogenation with Iron and Cobalt Catalysts. <i>Journal of the American Chemical Society</i> , 2014, 136, 13182-13185.	13.7	159
8	Single-Site Cobalt Catalysts at New Zr ₈ (μ_2 -O) ₈ (μ_2 -OH) ₄ Metal-Organic Framework Nodes for Highly Active Hydrogenation of Alkenes, Imines, Carbonyls, and Heterocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 12234-12242.	13.7	151
9	A Highly Enantioselective Zirconium Catalyst for Intramolecular Alkene Hydroamination: Significant Isotope Effects on Rate and Stereoselectivity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1865-1868.	13.8	112
10	Acceptorless Photocatalytic Dehydrogenation for Alcohol Decarbonylation and Imine Synthesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8607-8610.	13.8	89
11	Highly Enantioselective Zirconium-Catalyzed Cyclization of Aminoalkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 7235-7250.	13.7	77
12	Concerted C-N/C-H Bond Formation in Highly Enantioselective Yttrium(III)-Catalyzed Hydroamination. <i>ACS Catalysis</i> , 2011, 1, 1637-1642.	11.2	67
13	A zwitterionic zirconium complex that catalyzes hydroamination of aminoalkenes at room temperature. <i>Chemical Communications</i> , 2010, 46, 339-341.	4.1	64
14	Amino Acid-Functionalized Metal-Organic Frameworks for Asymmetric Base-Metal Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10964-10970.	13.8	53
15	Zirconium-Catalyzed Desymmetrization of Aminodialkenes and Aminodialkynes through Enantioselective Hydroamination. <i>Journal of the American Chemical Society</i> , 2015, 137, 425-435.	13.7	43
16	Bis(oxazolanyl)phenylborane: A Lewis acid-containing ligand for methide abstraction-based coordination to aluminum(III). <i>Dalton Transactions</i> , 2010, 39, 641-653.	3.3	32
17	Single-Site Cobalt-Catalyst Ligated with Pyridylimine-Functionalized Metal-Organic Frameworks for Arene and Benzylic Borylation. <i>Inorganic Chemistry</i> , 2020, 59, 10473-10481.	4.0	31
18	Chiral Iron(II)-Catalysts within Valinol-Grafted Metal-Organic Frameworks for Enantioselective Reduction of Ketones. <i>ACS Catalysis</i> , 2021, 11, 10450-10459.	11.2	29

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19	Aluminum Metal-Organic Framework-Ligated Single-Site Nickel(II)-Hydride for Heterogeneous Chemoselective Catalysis. <i>ACS Catalysis</i> , 2021, 11, 3943-3957.	11.2	28
20	Metal-Organic Framework-Confined Single-Site Base-Metal Catalyst for Chemoselective Hydrodeoxygenation of Carbonyls and Alcohols. <i>Inorganic Chemistry</i> , 2021, 60, 9029-9039.	4.0	16
21	Mixed N-Heterocyclic Carbene-Bis(oxazolinyl)borato Rhodium and Iridium Complexes in Photochemical and Thermal Oxidative Addition Reactions. <i>Organometallics</i> , 2014, 33, 6840-6860.	2.3	14
22	Mono-Phosphine Metal-Organic Framework-Supported Cobalt Catalyst for Efficient Borylation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	11
23	Chemoselective and Tandem Reduction of Arenes Using a Metal-Organic Framework-Supported Single-Site Cobalt Catalyst. <i>Inorganic Chemistry</i> , 2022, 61, 1031-1040.	4.0	4
24	Amino Acid-Functionalized Metal-Organic Frameworks for Asymmetric Base-Metal Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 11059-11065.	2.0	1