Kishore Natte

List of Publications by Year
in descending order

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56 papers	3,015 citations	159585 30 h-index	161849 54 g-index
81 all docs	81 docs citations	81 times ranked	3366 citing authors

#	Article	IF	Citations
1	The Applications of Dimethyl Sulfoxide as Reagent in Organic Synthesis. Advanced Synthesis and Catalysis, 2016, 358, 336-352.	4.3	277
2	Catalytic reductive aminations using molecular hydrogen for synthesis of different kinds of amines. Chemical Society Reviews, 2020, 49, 6273-6328.	38.1	240
3	Transitionâ€Metalâ€Catalyzed Utilization of Methanol as a C₁â€...Source in Organic Synthesis. Angewandte Chemie - International Edition, 2017, 56, 6384-6394.	13.8	227
4	Nitrogen-Doped Graphene-Activated Iron-Oxide-Based Nanocatalysts for Selective Transfer Hydrogenation of Nitroarenes. ACS Catalysis, 2015, 5, 1526-1529.	11.2	146
5	Palladiumâ€Catalyzed Carbonylations of Aryl Bromides using Paraformaldehyde: Synthesis of Aldehydes and Esters. Angewandte Chemie - International Edition, 2014, 53, 10090-10094.	13.8	133
6	Palladiumâ€Catalyzed Trifluoromethylation of (Hetero)Arenes with CF₃Br. Angewandte Chemie - International Edition, 2016, 55, 2782-2786.	13.8	119
7	Baseâ€Controlled Selectivity in the Synthesis of Linear and Angular Fused Quinazolinones by a Palladiumâ€Catalyzed Carbonylation/Nucleophilic Aromatic Substitution Sequence. Angewandte Chemie - International Edition, 2014, 53, 7579-7583.	13.8	103
8	Toxicity of amorphous silica nanoparticles on eukaryotic cell model is determined by particle agglomeration and serum protein adsorption effects. Analytical and Bioanalytical Chemistry, 2011, 400, 1367-1373.	3.7	98
9	Characterisation of silica nanoparticles prior to in vitro studies: from primary particles to agglomerates. Journal of Nanoparticle Research, 2011, 13, 1593-1604.	1.9	81
10	Heterogeneous Platinumâ€Catalyzed Cï£¿H Perfluoroalkylation of Arenes and Heteroarenes. Angewandte Chemie - International Edition, 2015, 54, 4320-4324.	13.8	80
11	Convenient iron-catalyzed reductive aminations without hydrogen for selective synthesis of N-methylamines. Nature Communications, 2017, 8, 1344.	12.8	78
12	Palladiumâ€Catalyzed Carbonylative Cyclization of Arenes by Cï£¿H Bond Activation with DMF as the Carbonyl Source. Chemistry - A European Journal, 2015, 21, 16370-16373.	3.3	76
13	High-resolution imaging with SEM/T-SEM, EDX and SAM as a combined methodical approach for morphological and elemental analyses of single engineered nanoparticles. RSC Advances, 2014, 4, 49577-49587.	3.6	74
14	Commercial Pd/C-Catalyzed N-Methylation of Nitroarenes and Amines Using Methanol as Both C1 and H₂ Source. Journal of Organic Chemistry, 2019, 84, 15389-15398.	3.2	67
15	Palladiumâ€Catalyzed Carbonylative [3+2+1] Annulation of Nâ€Arylâ€Pyridineâ€2â€Amines with Internal Alkynes by Cï£¿H Activation: Facile Synthesis of 2â€Quinolinones. Chemistry - A European Journal, 2014, 20, 14189-14193.	3.3	64
16	Pd/C as an efficient heterogeneous catalyst for carbonylative four-component synthesis of 4(3H)-quinazolinones. Catalysis Science and Technology, 2015, 5, 4474-4480.	4.1	55
17	Impact of polymer shell on the formation and time evolution of nanoparticleâ€“protein corona. Colloids and Surfaces B: Biointerfaces, 2013, 104, 213-220.	5.0	48
18	Ãœbergangsmetallkatalysierte Nutzung von Methanol als C₁â€Quelle in der organischen Synthese. Angewandte Chemie, 2017, 129, 6482-6492.	2.0	45

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19	Palladium@Cerium(IV) Oxideâ€Catalyzed Oxidative Synthesis of Nâ€(2â€Pyridyl)indoles via Cï£¿H Activation Reaction. Advanced Synthesis and Catalysis, 2014, 356, 2955-2959.	4.3	44
20	Biocarbon Supported Nanoscale Ruthenium Oxide-Based Catalyst for Clean Hydrogenation of Arenes and Heteroarenes. ACS Sustainable Chemistry and Engineering, 2020, 8, 15740-15754.	6.7	44
21	Pd/C-catalyzed carbonylative Câ€“H activation with DMF as the CO source. Tetrahedron Letters, 2015, 56, 6413-6416.	1.4	43
22	Molybdenum-catalyzed oxidative depolymerization of alkali lignin: Selective production of Vanillin. Applied Catalysis A: General, 2020, 598, 117567.	4.3	43
23	Palladiumâ€Catalyzed Carbonylations of Aryl Bromides using Paraformaldehyde: Synthesis of Aldehydes and Esters. Angewandte Chemie, 2014, 126, 10254-10258.	2.0	42
24	Synthesis of Functional Chemicals from Ligninâ€derived Monomers by Selective Organic Transformations. Advanced Synthesis and Catalysis, 2020, 362, 5143-5169.	4.3	42
25	Simple RuCl₃â€catalyzed Nâ€Methylation of Amines and Transfer Hydrogenation of Nitroarenes using Methanol. ChemCatChem, 2021, 13, 1722-1729.	3.7	41
26	On the role of surface composition and curvature on biointerface formation and colloidal stability of nanoparticles in a protein-rich model system. Colloids and Surfaces B: Biointerfaces, 2013, 108, 110-119.	5.0	40
27	Palladiumâ€Catalyzed Trifluoromethylation of (Hetero)Arenes with CF₃Br. Angewandte Chemie, 2016, 128, 2832-2836.	2.0	40
28	Carbon-Supported Cobalt Nanoparticles as Catalysts for the Selective Hydrogenation of Nitroarenes to Arylamines and Pharmaceuticals. ACS Applied Nano Materials, 2020, 3, 11070-11079.	5.0	38
29	Multi-parametric reference nanomaterials for toxicology: state of the art, future challenges and potential candidates. RSC Advances, 2013, 3, 18202.	3.6	32
30	Efficient palladium-catalyzed double carbonylation of o-dibromobenzenes: synthesis of thalidomide. Organic and Biomolecular Chemistry, 2014, 12, 5578-5581.	2.8	32
31	Palladiumâ€Catalyzed Carbonylation of 2â€Bromoanilines with 2â€Formylbenzoic Acid and 2â€Halobenzaldehydes: Efficient Synthesis of Functionalized Isoindolinones. Chemistry - A European Journal, 2014, 20, 14184-14188.	3.3	30
32	Iron-catalyzed reduction of aromatic aldehydes with paraformaldehyde and H2O as the hydrogen source. Tetrahedron Letters, 2015, 56, 1118-1121.	1.4	30
33	Scalable preparation of stable and reusable silica supported palladium nanoparticles as catalysts for N-alkylation of amines with alcohols. Journal of Catalysis, 2020, 382, 141-149.	6.2	30
34	Base Metalâ€Catalyzed Câ€Methylation Reactions Using Methanol. Advanced Synthesis and Catalysis, 2021, 363, 5028-5046.	4.3	30
35	Palladiumâ€Catalyzed Carbonylative Reactions of 1â€Bromoâ€2â€fluorobenzenes with Various Nucleophiles: Effective Combination of Carbonylation and Nucleophilic Substitution. Chemistry - A European Journal, 2014, 20, 16107-16110.	3.3	29
36	Expedient Synthesis of Nâ€Methylâ€and Nâ€Alkylamines by Reductive Amination using Reusable Cobalt Oxide Nanoparticles. ChemCatChem, 2018, 10, 1235-1240.	3.7	29

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37	Synergy between homogeneous and heterogeneous catalysis. Catalysis Science and Technology, 2022, 12, 6623-6649.	4.1	29
38	Palladium-catalyzed oxidative carbonylative coupling of arylboronic acids with terminal alkynes to alkynones. Organic and Biomolecular Chemistry, 2014, 12, 5590-5593.	2.8	27
39	Synthesis of nitriles from amines using nanoscale Co₃O₄-based catalysts via sustainable aerobic oxidation. Organic and Biomolecular Chemistry, 2016, 14, 3356-3359.	2.8	27
40	A convenient palladium-catalyzed carbonylative synthesis of quinazolines from 2-aminobenzylamine and aryl bromides. RSC Advances, 2014, 4, 56502-56505.	3.6	25
41	Convenient palladium-catalyzed carbonylative synthesis of caprolactam and butyrolactam derived phthalimides and amides by using DBU and DBN as the nitrogen source. Tetrahedron Letters, 2015, 56, 342-345.	1.4	25
42	Palladium-catalyzed carbonylative Câ€“H activation of arenes with norbornene as the coupling partner. Journal of Organometallic Chemistry, 2016, 803, 9-12.	1.8	23
43	Convenient copper-mediated Chanâ€“Lam coupling of 2-aminopyridine: facile synthesis of N-arylpyridin-2-amines. Tetrahedron Letters, 2015, 56, 4843-4847.	1.4	21
44	Reductive Amination, Hydrogenation and Hydrodeoxygenation of 5â€Hydroxymethylfurfural using Silicaâ€supported Cobaltâ€Nanoparticles. ChemCatChem, 2022, 14, .	3.7	19
45	Synthesis and characterisation of highly fluorescent coreâ€“shell nanoparticles based on Alexa dyes. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	18
46	Recent developments in reductive N-methylation with base-metal catalysts. Tetrahedron, 2021, 98, 132414.	1.9	16
47	Biorenewable carbon-supported Ru catalyst for N-alkylation of amines with alcohols and selective hydrogenation of nitroarenes. New Journal of Chemistry, 2021, 45, 14687-14694.	2.8	13
48	Lignin Residue-Derived Carbon-Supported Nanoscale Iron Catalyst for the Selective Hydrogenation of Nitroarenes and Aromatic Aldehydes. ACS Omega, 2022, 7, 19804-19815.	3.5	11
49	Tuning Interfacial Properties and Colloidal Behavior of Hybrid Nanoparticles by Controlling the Polymer Precursor. Macromolecular Chemistry and Physics, 2012, 213, 2412-2419.	2.2	10
50	Value addition of lignin to zingerone using recyclable AlPO4 and Ni/LRC catalysts. Chemical Engineering Journal, 2022, 431, 134130.	12.7	10
51	Pd/C-catalyzed transfer hydrogenation of aromatic nitro compounds using methanol as a hydrogen source. Journal of the Indian Chemical Society, 2021, 98, 100014.	2.8	9
52	Recent Trends in Upgrading of CO₂ as a C1 Reactant in Nâ€ and Câ€Methylation Reactions. Asian Journal of Organic Chemistry, 2022, 11, .	2.7	7
53	Pd-Nanoparticles immobilized organo-functionalized SBA-15: An efficient heterogeneous catalyst for selective hydrogenation of C C double bonds of Î±,Î²-unsaturated carbonyl compounds. Molecular Catalysis, 2020, 497, 111200.	2.0	6
54	Thermochemical methods for upgrading of lignin to aromatic chemicals. , 2022, , 499-533.		1

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55	Expedient Synthesis of N -Methyl- and N -Alkylamines by Reductive Amination using Reusable Cobalt Oxide Nanoparticles. ChemCatChem, 2018, 10, 1205-1205.	3.7	0
56	Surface-modified nanomaterials for synthesis of pharmaceuticals. , 2022, , 251-266.		0