Zhengping Dong

List of Publications by Year
in descending order

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87 papers	4,334 citations	101543 36 h-index	114465 63 g-index
88 all docs	88 docs citations	88 times ranked	4996 citing authors

#	Article	IF	Citations
1	Ni@Pd coreâ€“shell nanoparticles modified fibrous silica nanospheres as highly efficient and recoverable catalyst for reduction of 4-nitrophenol and hydrodechlorination of 4-chlorophenol. Applied Catalysis B: Environmental, 2015, 162, 372-380.	20.2	375
2	Silver nanoparticles immobilized on fibrous nano-silica as highly efficient and recyclable heterogeneous catalyst for reduction of 4-nitrophenol and 2-nitroaniline. Applied Catalysis B: Environmental, 2014, 158-159, 129-135.	20.2	344
3	Metal organic framework derived magnetic porous carbon composite supported gold and palladium nanoparticles as highly efficient and recyclable catalysts for reduction of 4-nitrophenol and hydrodechlorination of 4-chlorophenol. Journal of Materials Chemistry A, 2014, 2, 18775-18785.	10.3	210
4	Two-dimensional covalent organic frameworks as self-template derived nitrogen-doped carbon nanosheets for eco-friendly metal-free catalysis. Applied Catalysis B: Environmental, 2019, 244, 25-35.	20.2	149
5	Palladium nanoparticles immobilized on coreâ€“shell magnetic fibers as a highly efficient and recyclable heterogeneous catalyst for the reduction of 4-nitrophenol and Suzuki coupling reactions. Journal of Materials Chemistry A, 2014, 2, 19696-19706.	10.3	146
6	Fibrous nano-silica containing immobilized Ni@Au coreâ€“shell nanoparticles: A highly active and reusable catalyst for the reduction of 4-nitrophenol and 2-nitroaniline. Journal of Molecular Catalysis A, 2014, 395, 58-65.	4.8	98
7	Fibrous nano-silica supported palladium nanoparticles: An efficient catalyst for the reduction of 4-nitrophenol and hydrodechlorination of 4-chlorophenol under mild conditions. Catalysis Communications, 2015, 59, 21-25.	3.3	98
8	Pd-doped Ni nanoparticle-modified N-doped carbon nanocatalyst with high Pd atom utilization for the transfer hydrogenation of nitroarenes. Green Chemistry, 2018, 20, 1121-1130.	9.0	92
9	Biomass Sucroseâ€Derived Cobalt@Nitrogenâ€Doped Carbon for Catalytic Transfer Hydrogenation of Nitroarenes with Formic Acid. ChemSusChem, 2018, 11, 4156-4165.	6.8	92
10	Highly efficient and recyclable Ni MOF-derived N-doped magnetic mesoporous carbon-supported palladium catalysts for the hydrodechlorination of chlorophenols. Journal of Molecular Catalysis A, 2016, 423, 386-392.	4.8	90
11	Cobalt nanoparticles supported on N-doped mesoporous carbon as a highly efficient catalyst for the synthesis of aromatic amines. Journal of Colloid and Interface Science, 2017, 501, 231-240.	9.4	83
12	Highly dispersed ultrafine palladium nanoparticles encapsulated in a triazinyl functionalized porous organic polymer as a highly efficient catalyst for transfer hydrogenation of aldehydes. Journal of Materials Chemistry A, 2018, 6, 18242-18251.	10.3	81
13	Rhodamine group modified SBA-15 fluorescent sensor for highly selective detection of Hg²⁺and its application as an INHIBIT logic device. RSC Advances, 2013, 3, 2227-2233.	3.6	80
14	Palladium Nanoclusters Confined in MOF@COP as a Novel Nanoreactor for Catalytic Hydrogenation. ACS Applied Materials & Interfaces, 2020, 12, 7285-7294.	8.0	79
15	Enhanced-electrocatalytic activity of Ni_{1â^'x}Fe_xalloy supported on polyethyleneimine functionalized MoS₂nanosheets for hydrazine oxidation. RSC Advances, 2014, 4, 1988-1995.	3.6	76
16	Palladium clusters confined in triazinyl-functionalized COFs with enhanced catalytic activity. Applied Catalysis B: Environmental, 2019, 257, 117942.	20.2	76
17	Enhancing catalytic performance of Au catalysts by noncovalent functionalized graphene using functional ionic liquids. Journal of Hazardous Materials, 2014, 270, 11-17.	12.4	74
18	A highly selective fluorescent chemosensor for Hg2+ based on rhodamine B and its application as a molecular logic gate. Dyes and Pigments, 2013, 97, 324-329.	3.7	73

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19	An â€œoffâ€“onâ€“offâ€•fluorescent probe for the sequential detection of Zn²⁺ and hydrogen sulfide in aqueous solution. New Journal of Chemistry, 2014, 38, 1802-1808.	2.8	66
20	Biomass-derived phosphorus-doped carbon materials as efficient metal-free catalysts for selective aerobic oxidation of alcohols. Green Chemistry, 2019, 21, 5274-5283.	9.0	65
21	Hydrodechlorination and further hydrogenation of 4-chlorophenol to cyclohexanone in water over Pd nanoparticles modified N-doped mesoporous carbon microspheres. Chemical Engineering Journal, 2015, 270, 215-222.	12.7	64
22	Ultrafine and highly dispersed platinum nanoparticles confined in a triazinyl-containing porous organic polymer for catalytic applications. Nanoscale, 2018, 10, 21466-21474.	5.6	62
23	A rhodamine B-based â€œturn-onâ€•fluorescent sensor for detecting Cu2+ and sulfur anions in aqueous media. RSC Advances, 2014, 4, 5718.	3.6	59
24	In situ growth of Niâ€“Fe alloy on graphene-like MoS2 for catalysis of hydrazine oxidation. Journal of Materials Chemistry, 2012, 22, 13925.	6.7	57
25	Efficient chemoselective hydrogenation of halogenated nitrobenzenes over an easily prepared Î³-Fe₂O₃-modified mesoporous carbon catalyst. Green Chemistry, 2017, 19, 1548-1554.	9.0	57
26	N,S co-doped hierarchically porous carbon materials for efficient metal-free catalysis. Green Chemistry, 2020, 22, 742-752.	9.0	55
27	Ru nanoclusters confined in porous organic cages for catalytic hydrolysis of ammonia borane and tandem hydrogenation reaction. Nanoscale, 2019, 11, 21513-21521.	5.6	53
28	Suzukiâ€“Miyaura cross-coupling reactions catalyzed by efficient and recyclable Fe3O4@SiO2@mSiO2â€“Pd(II) catalyst. Catalysis Communications, 2014, 53, 47-52.	3.3	50
29	Quinoline group based fluorescent sensor for detecting zinc ions in aqueous media and its logic gate behaviour. Journal of Luminescence, 2013, 134, 635-639.	3.1	49
30	Sequential recognition of zinc ion and hydrogen sulfide by a new quinoline derivative with logic gate behavior. RSC Advances, 2014, 4, 18270-18277.	3.6	47
31	Graphitic-N highly doped graphene-like carbon: A superior metal-free catalyst for efficient reduction of CO2. Applied Catalysis B: Environmental, 2021, 298, 120510.	20.2	46
32	A highly active hydrazine fuel cell catalyst consisting of a Niâ€“Fe nanoparticle alloy plated on carbon materials by pulse reversal. RSC Advances, 2012, 2, 5038.	3.6	45
33	Pt coated Co nanoparticles supported on N-doped mesoporous carbon as highly efficient, magnetically recyclable and reusable catalyst for hydrogen generation from ammonia borane. International Journal of Hydrogen Energy, 2017, 42, 27055-27065.	7.1	42
34	Facile preparation of fluffy N-doped carbon modified with Ag nanoparticles as a highly active and reusable catalyst for catalytic reduction of nitroarenes. Journal of Colloid and Interface Science, 2017, 506, 524-531.	9.4	42
35	Biowaste soybean curd residue-derived Pd/nitrogen-doped porous carbon with excellent catalytic performance for phenol hydrogenation. Journal of Colloid and Interface Science, 2019, 533, 259-267.	9.4	41
36	Ultra-fine Pd nanoparticles confined in a porous organic polymer: A leaching-and-aggregation-resistant catalyst for the efficient reduction of nitroarenes by NaBH4. Journal of Colloid and Interface Science, 2019, 538, 720-730.	9.4	41

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37	Dansyl derivative functionalized Fe₃O₄@SiO₂fluorescent probe for detection and removal of Hg²⁺in aqueous solution. RSC Advances, 2013, 3, 1082-1088.	3.6	40
38	Gold nanoparticle modified magnetic fibrous silica microspheres as a highly efficient and recyclable catalyst for the reduction of 4-nitrophenol. New Journal of Chemistry, 2015, 39, 8623-8629.	2.8	37
39	A MOF-derived nickel based N-doped mesoporous carbon catalyst with high catalytic activity for the reduction of nitroarenes. RSC Advances, 2016, 6, 11749-11753.	3.6	37
40	Palladium nanoparticles supported on SiO2@Fe3O4@m-MnO2 mesoporous microspheres as a highly efficient and recyclable catalyst for hydrodechlorination of 2,4-dichlorophenol and reduction of nitroaromatic compounds and organic dyes. Molecular Catalysis, 2017, 433, 202-211.	2.0	36
41	Continuous solvent-free synthesis of imines over uip-Î³-Al2O3-CeO2 catalyst in a fixed bed reactor. Applied Catalysis B: Environmental, 2020, 272, 118958.	20.2	35
42	Palladium nanoparticles dispersed on the hollow aluminosilicate microsphere@hierarchical Î³-AlOOH as an excellent catalyst for the hydrogenation of nitroarenes under ambient conditions. Applied Surface Science, 2016, 390, 100-106.	6.1	34
43	Novel yolkâ€“shell-structured Fe 3 O 4 @Î³-AlOOH nanocomposite modified with Pd nanoparticles as a recyclable catalyst with excellent catalytic activity. Applied Surface Science, 2017, 416, 103-111.	6.1	34
44	Hollow mesoporous silica nanotubes modified with palladium nanoparticles for environmental catalytic applications. Journal of Colloid and Interface Science, 2018, 521, 132-140.	9.4	34
45	Ultrafine palladium nanoparticles confined in coreâ€“shell magnetic porous organic polymer nanospheres as highly efficient hydrogenation catalyst. Journal of Colloid and Interface Science, 2019, 554, 157-165.	9.4	34
46	Atomically dispersed Co-N4 sites anchored on N-doped carbon for aqueous phase transfer hydrogenation between nitroarenes and saturated N-heterocycles. Applied Catalysis B: Environmental, 2021, 299, 120681.	20.2	32
47	Ultrafine platinum nanoparticles modified on cotton derived carbon fibers as a highly efficient catalyst for hydrogen evolution from ammonia borane. International Journal of Hydrogen Energy, 2017, 42, 29244-29253.	7.1	31
48	Ru coated Co nanoparticles decorated on cotton derived carbon fibers as a highly efficient and magnetically recyclable catalyst for hydrogen generation from ammonia borane. International Journal of Hydrogen Energy, 2018, 43, 1355-1364.	7.1	31
49	Two-dimensional covalent-organic-framework-derived nitrogen-rich carbon nanosheets modified with small Pd nanoparticles for the hydrodechlorination of chlorophenols and hydrogenation of phenol. Applied Catalysis A: General, 2018, 568, 130-138.	4.3	31
50	Selective Transfer Hydrogenation and N-Formylation of Nitroarenes by a Facilely Prepared N, S Co-doped Carbon-Encapsulated Cobalt Nanoparticle Catalyst. Industrial & Engineering Chemistry Research, 2020, 59, 5615-5623.	3.7	30
51	Coâ€MOFâ€Derived Hierarchical Mesoporous Yolkâ€shellâ€structured Nanoreactor for the Catalytic Reduction of Nitroarenes with Hydrazine Hydrate. ChemCatChem, 2019, 11, 3327-3338.	3.7	28
52	Ultrafine Pd nanoparticles immobilized on N-doped hollow carbon nanospheres with superior catalytic performance for the selective oxidation of 5-hydroxymethylfurfural and hydrogenation of nitroarenes. Journal of Colloid and Interface Science, 2019, 553, 588-597.	9.4	28
53	Ru clusters confined in Hydrogen-bonded organic frameworks for homogeneous catalytic hydrogenation of N-heterocyclic compounds with heterogeneous recyclability. Journal of Catalysis, 2022, 406, 19-27.	6.2	28
54	PdCo nanoparticles supported on carbon fibers derived from cotton: Maximum utilization of Pd atoms for efficient reduction of nitroarenes. Journal of Colloid and Interface Science, 2018, 524, 84-92.	9.4	27

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55	Immobilization of Pt nanoparticles in hollow mesoporous silica nanocapsules: An aggregation- and leaching-resistant catalyst. Journal of Colloid and Interface Science, 2018, 516, 407-415.	9.4	26
56	Renewable chitosan-derived cobalt@N-doped porous carbon for efficient aerobic esterification of alcohols under air. Nanoscale, 2019, 11, 17736-17745.	5.6	26
57	The role of reducing agent in perylene tetracarboxylic acid coating on graphene sheets enhances Pd nanoparticles-electrocalytic ethanol oxidation. Catalysis Science and Technology, 2013, 3, 2303.	4.1	25
58	Cobalt Nanoparticles Apically Encapsulated by Nitrogenâ€doped Carbon Nanotubes for Oxidative Dehydrogenation and Transfer Hydrogenation of Nâ€Heterocycles. ChemCatChem, 2019, 11, 5475-5486.	3.7	25
59	Highly selective oxidation of alcohols catalyzed by Cu(II)-Schiff base-SBA-15 with hydrogen peroxide in water. Journal of Porous Materials, 2013, 20, 277-284.	2.6	24
60	Aqueous-phase hydrodechlorination and further hydrogenation of chlorophenols to cyclohexanone in water over palladium nanoparticles modified dendritic mesoporous silica nanospheres catalyst. RSC Advances, 2015, 5, 20716-20723.	3.6	21
61	Facile fabrication of Î³-Fe₂O₃-nanoparticle modified N-doped porous carbon materials for the efficient hydrogenation of nitroaromatic compounds. New Journal of Chemistry, 2017, 41, 10165-10173.	2.8	21
62	CeO2 immobilized on magnetic core-shell microparticles for one-pot synthesis of imines from benzyl alcohols and anilines: Support effects for activity and stability. Journal of Colloid and Interface Science, 2019, 538, 709-719.	9.4	21
63	Precisely controlled Pd nanoclusters confined in porous organic cages for size-dependent catalytic hydrogenation. Applied Catalysis B: Environmental, 2022, 315, 121487.	20.2	20
64	Quinoline Group Modified Carbon Nanotubes for the Detection of Zinc Ions. Nanoscale Research Letters, 2009, 4, 335-340.	5.7	19
65	Ultrathin Î³-Fe2O3 nanosheets as a highly efficient catalyst for the chemoselective hydrogenation of nitroaromatic compounds. Catalysis Communications, 2018, 107, 57-61.	3.3	18
66	Aminalâ€based Hypercrosslinked Polymer Modified with Small Palladium Nanoparticles for Efficiently Catalytic Reduction of Nitroarenes. ChemCatChem, 2018, 10, 4569-4577.	3.7	18
67	Fe-based N-doped dendritic catalysts for catalytic ammoxidation of aromatic aldehydes to aromatic nitriles. Journal of Colloid and Interface Science, 2020, 565, 177-185.	9.4	17
68	Ultrafine Pd Nanoparticles Modified on Azine-Linked Covalent Organic Polymers for Efficient Catalytic Suzukiâ€"Miyaura Coupling Reaction. Industrial & Engineering Chemistry Research, 2020, 59, 12677-12685.	3.7	17
69	Palladium modified magnetic mesoporous carbon derived from metalâ€"organic frameworks as a highly efficient and recyclable catalyst for hydrogenation of nitroarenes. RSC Advances, 2015, 5, 20987-20991.	3.6	15
70	Efficient and chemoselective hydrogenation of nitroarenes by Î³-Fe₂O₃ modified hollow mesoporous carbon microspheres. Inorganic Chemistry Frontiers, 2016, 3, 1332-1340.	6.0	15
71	Ru nanoparticles anchored on porous N-doped carbon nanospheres for efficient catalytic hydrogenation of Levulinic acid to Î³-valerolactone under solvent-free conditions. Journal of Colloid and Interface Science, 2022, 623, 905-914.	9.4	15
72	Synthesis of Ag nanoparticles decorated multiwalled carbon nanotubes using dialdehydestarch as complexant and reductant for antibacterial purposes. RSC Advances, 2013, 3, 918-922.	3.6	14

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73	Nickel and cobalt nanoparticles modified hollow mesoporous carbon microsphere catalysts for efficient catalytic reduction of widely used dyes. RSC Advances, 2016, 6, 99114-99119.	3.6	13
74	Nâ€Doped Hierarchical Porous Carbon Embedded Synergistic Bimetallic CoCu NPs with Unparalleled Catalytic Performance. ChemCatChem, 2019, 11, 2415-2422.	3.7	13
75	Iron oxide modified N-doped porous carbon derived from porous organic polymers as a highly-efficient catalyst for reduction of nitroarenes. Molecular Catalysis, 2020, 498, 111249.	2.0	13
76	Multistep protection strategy for preparation of atomically dispersed Feâ€"N catalysts for selective oxidation of ethylbenzene to acetophenone. Catalysis Science and Technology, 2022, 12, 641-651.	4.1	12
77	Atomically Dispersed Co Clusters Anchored on Nâ€doped Carbon Nanotubes for Efficient Dehydrogenation of Alcohols and Subsequent Conversion to Carboxylic Acids. ChemSusChem, 2021, 14, 4536-4545.	6.8	11
78	Selective oxidation of alcohols to high value-added carbonyl compounds using air over Co-Co3O4@NC catalysts. Chemical Engineering Journal, 2022, 434, 134545.	12.7	11
79	Catalytically Active Coâ^'N x Species Stabilized on Nitrogenâ€doped Porous Carbon for Efficient Hydrogenation and Dehydrogenation of Nâ€heteroarenes. ChemCatChem, 2020, 12, 4406-4415.	3.7	10
80	Eu(iii)-coupled graphene oxide as a luminescent material. New Journal of Chemistry, 2013, 37, 3861.	2.8	9
81	Biomass chitosan-derived nitrogen-doped carbon modified with iron oxide for the catalytic ammoxidation of aromatic aldehydes to aromatic nitriles. Molecular Catalysis, 2021, 499, 111293.	2.0	9
82	Nitrogen-doped carbon nanotubes by multistep pyrolysis process as a promising anode material for lithium ion hybrid capacitors. Chinese Chemical Letters, 2020, 31, 2239-2244.	9.0	7
83	Facile preparation of ultrafine Pd nanoparticles anchored on covalent triazine frameworks catalysts for efficient N-alkylation. Journal of Colloid and Interface Science, 2022, 606, 1340-1351.	9.4	7
84	Construction of a sandwich-like UiO-66-NH2@Pt@mSiO2 catalyst for one-pot cascade reductive amination of nitrobenzene with benzaldehyde. Journal of Colloid and Interface Science, 2022, 606, 1524-1533.	9.4	7
85	Renewable Soybean PulpÂDerived Nâ€Doped Carbon Materials for Efficient Chemoselective Hydrogenation of Halogenated Nitrobenzenes. ChemistrySelect, 2019, 4, 4083-4091.	1.5	6
86	Selfâ€Template Construction of Highâ€Performance Co, Nâ€Decorated Carbon Nanotubes from a Novel Cobalt Dicyandiamide Molecule. ChemCatChem, 2021, 13, 2609-2617.	3.7	4
87	A Facile and Inâ€situ Methanolâ€mediated Fabrication of Low Pd Loading, Highâ€efficiency and Sizeâ€selectivity Pd@ZIFâ€8 Hydrogenation Catalyst. Chemistry - an Asian Journal, 2021, 16, 2952-2957.	3.3	1