

Reduction of Nitro Compounds Using 3d-Non-Noble Me

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Efficient Transfer Hydrogenation of Nitro Compounds to Amines Enabled by Mesoporous N-Stabilized Co-Zn/C. <i>Frontiers in Chemistry</i> , 2019, 7, 590.	1.8	18
2	Hydrogenation of Functionalized Nitroarenes Catalyzed by Single-Phase Pyrite FeS ₂ Nanoparticles on N,S-Codoped Porous Carbon. <i>ChemSusChem</i> , 2019, 12, 4636-4644.	3.6	44
3	Computational study about the derivatives of pyrrole as high-energy-density compounds. <i>Molecular Simulation</i> , 2019, 45, 1459-1464.	0.9	7
4	Reaction-volume dependent chemistry of highly selective photocatalytic reduction of nitrobenzene. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1752-1756.	1.9	11
5	On the catalytic transfer hydrogenation of nitroarenes by a cubane-type Mo ₃ S ₄ cluster hydride: disentangling the nature of the reaction mechanism. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17221-17231.	1.3	6
6	Facile synthesis of supported Ru-Triphos catalysts for continuous flow application in selective nitrile reduction. <i>Chemical Science</i> , 2019, 10, 8195-8201.	3.7	11
7	Catalytic Application of Tactically Aligned Cd(II)-Based Luminescent 3D-Supramolecular Networks. <i>ChemistrySelect</i> , 2019, 4, 7162-7172.	0.7	3
8	4,4'-Bipyridyl-Catalyzed Reduction of Nitroarenes by Bis(neopentylglycolato)diboron. <i>Organic Letters</i> , 2019, 21, 9812-9817.	2.4	40
9	In-situ synthesis of magnetic nanoparticle immobilized heterogeneous catalyst through mussel mimetic approach for the efficient removal of water pollutants. <i>Colloids and Interface Science Communications</i> , 2019, 33, 100218.	2.0	52
10	Chemoselective hydrogenation of 3-nitrostyrene over Ag/TiO ₂ -SiO ₂ catalyst in a flow reactor. <i>Mendeleev Communications</i> , 2019, 29, 553-555.	0.6	6
11	Aqueous Cathodic Exfoliation Strategy toward Solution-Processable and Phase-Preserved MoS ₂ Nanosheets for Energy Storage and Catalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36991-37003.	4.0	43
12	Amphiphilic Mesoporous Sandwich-Structured Catalysts for Selective Hydrogenation of 4-Nitrostyrene in Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39116-39124.	4.0	27
13	Co-MOF-Derived Hierarchical Mesoporous Yolk-shell Structured Nanoreactor for the Catalytic Reduction of Nitroarenes with Hydrazine Hydrate. <i>ChemCatChem</i> , 2019, 11, 3327-3338.	1.8	28
14	One-Pot Synthesis of Heterobimetallic Metal-Organic Frameworks (MOFs) for Multifunctional Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 10490-10498.	1.7	99
15	Sustainable Amine Synthesis: Iron Catalyzed Reactions of Hydrosilanes with Imines, Amides, Nitroarenes and Nitriles. <i>ChemistrySelect</i> , 2019, 4, 6753-6777.	0.7	23
16	Borohydride-Assisted Surface Activation of Co ₃ O ₄ /CoFe ₂ O ₄ Composite and Its Catalytic Activity for 4-Nitrophenol Reduction. <i>ACS Omega</i> , 2019, 4, 10129-10139.	1.6	47
17	A Manganese Heterocyclic Carbene Catalyst for Reduction of Sulfoxides with Silanes. <i>ChemCatChem</i> , 2019, 11, 3839-3843.	1.8	27
18	PdO/CuO Nanoparticles on Zeolite-Y for Nitroarene Reduction and Methanol Oxidation. <i>ACS Applied Nano Materials</i> , 2019, 2, 3769-3779.	2.4	26

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19	Ferrocenyl metal-organic framework hollow microspheres for <i>in situ</i> loading palladium nanoparticles as a heterogeneous catalyst. <i>Dalton Transactions</i> , 2019, 48, 8995-9003.	1.6	23
20	Synthesis of cyclic <i>gem</i> -dinitro compounds <i>via</i> radical nitration of 1,6-diynes with Fe(NO ₃) ₃ ·9H ₂ O. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4725-4728.	1.5	6
21	N-Doped Hierarchical Porous Carbon Embedded Synergistic Bimetallic CoCu NPs with Unparalleled Catalytic Performance. <i>ChemCatChem</i> , 2019, 11, 2415-2422.	1.8	13
22	Creating Coordination Mismatch in MOFs: Tuning from Pore Structure of the Derived Supported Catalysts to Their Catalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5543-5551.	1.8	26
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24	Multi-Step Reactions Involving Iron-Catalysed Reduction and Hydrogen Borrowing Reactions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2471-2487.	1.0	21
25	A Broader-Scope Analysis of the Catalytic Reduction of Nitrophenols and Azo Dyes with Noble Metal Nanoparticles. <i>ChemCatChem</i> , 2019, 11, 2590-2595.	1.8	32
26	Ti~Pd Alloys as Heterogeneous Catalysts for the Hydrogen Autotransfer Reaction and Catalytic Improvement by Hydrogenation Effects. <i>ChemCatChem</i> , 2019, 11, 2432-2437.	1.8	9
27	Generation of Anisotropic Au Nanostructures in Aqueous Carboxymethyl Cellulose Matrix for Potential Catalytic Application. <i>ChemistrySelect</i> , 2019, 4, 14253-14260.	0.7	2
28	Best practices for reporting nanocatalytic performance: lessons learned from nitroarene reduction as a model reaction. <i>New Journal of Chemistry</i> , 2019, 43, 17932-17936.	1.4	12
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30	A visible-light-responsive metal-organic framework for highly efficient and selective photocatalytic oxidation of amines and reduction of nitroaromatics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27074-27080.	5.2	52
31	State of the Art and Prospects in Metal-Organic Framework (MOF)-Based and MOF-Derived Nanocatalysis. <i>Chemical Reviews</i> , 2020, 120, 1438-1511.	23.0	1,505
32	Potential-tuned selective electrosynthesis of azoxy-, azo- and amino-aromatics over a CoP nanosheet cathode. <i>National Science Review</i> , 2020, 7, 285-295.	4.6	107
33	Differentiation of Ni ₃ C crystalline phase from hexagonal-close-packed Ni phase in ethylene glycol-mediated sol-gel process and excellent catalytic behavior of Ni/N-doped C nanomaterials toward hydrogenation reduction reaction of 4-nitrophenol. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 341-353.	1.1	6
34	Biomimetic and bioinspired molecular electrets. How to make them and why does the established peptide chemistry not always work?. <i>Pure and Applied Chemistry</i> , 2020, 92, 275-299.	0.9	6
35	Support-free 3D hierarchical nanoporous Cu@Cu ₂ O for fast tandem ammonia borane dehydrogenation and nitroarenes hydrogenation under mild conditions. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152372.	2.8	25
36	Bioinspired Hollow Nanoreactor: Catalysts that Carry Gaseous Hydrogen for Enhanced Gas-Liquid-Solid Three-Phase Hydrogenation Reactions. <i>ChemCatChem</i> , 2020, 12, 459-462.	1.8	11

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38	Tuning acylthiourea ligands in Ru(II) catalysts for altering the reactivity and chemoselectivity of transfer hydrogenation reactions, and synthesis of 3-isopropoxy-1H-indole through a new synthetic approach. <i>Journal of Organometallic Chemistry</i> , 2020, 908, 121087.	0.8	13
39	Half-sandwich ruthenium complexes with σ -chiral base ligands bearing a hydroxyl group: Preparation, characterization and catalytic activities. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5289.	1.7	9
40	Biomass-derived carbon-supported Ni catalyst: an effective heterogeneous non-noble metal catalyst for the hydrogenation of nitro compounds. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 58-65.	1.9	16
41	On-Line Analysis of the Heterogeneous Pd-Catalyzed Transfer Hydrogenation of p-Nitrophenol in Water with Formic Acid in a Flow Reactor. <i>Organic Process Research and Development</i> , 2020, 24, 686-694.	1.3	5
42	Metal-Decorated Pickering Emulsion for Continuous Flow Catalysis. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900382.	1.2	8
43	Earth-abundant metal catalyzed hydrosilylative reduction of various functional groups. <i>Coordination Chemistry Reviews</i> , 2020, 405, 213110.	9.5	30
44	A Single-Source Precursor Route toward Small-Sized Nickel Particles Embedded into SiO ₂ Sheet as Magnetic Separable Catalyst. <i>ChemistrySelect</i> , 2020, 5, 11708-11712.	0.7	1
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47	Efficient nitrate and oxygen electroreduction over pyrolysis-free mesoporous covalent Co-salophen coordination frameworks on carbon nanotubes. <i>Electrochimica Acta</i> , 2020, 363, 137280.	2.6	15
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52	Gold(I)-Thiolate Oligomers for Catalytic Hydrogenation of Nitroaromatics in Aqueous and Organic Medium. <i>ChemCatChem</i> , 2020, 12, 4558-4567.	1.8	5
53	Reduction of Nitroarenes via Catalytic Transfer Hydrogenation Using Formic Acid as Hydrogen Source: A Comprehensive Review. <i>ChemistrySelect</i> , 2020, 5, 13054-13075.	0.7	33
54	Terpyridine-Ru Complexes Noncovalently Supported on Cobalt Magnetic Nanoparticles for Nitroarene Transfer Hydrogenation. <i>ACS Applied Nano Materials</i> , 2020, 3, 11811-11818.	2.4	6

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55	Composition- and Condition-Dependent Kinetics of Homogeneous Ester Hydrogenation by a Mn-Based Catalyst. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26990-26998.	1.5	7
56	HKUST-1 derived Cu@CuO _x /carbon catalyst for base-free aerobic oxidative coupling of benzophenone imine: high catalytic efficiency and excellent regeneration performance. <i>RSC Advances</i> , 2020, 10, 36111-36118.	1.7	5
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58	Ionothermal Synthesis of an Antimonomolybdate Cluster, [Sb ₈ Mo _{VI} 13Mo _V 5O ₆₆] ⁵⁻ , and Its Catalytic Behavior to the Reduction of Nitrobenzene. <i>Inorganic Chemistry</i> , 2020, 59, 11213-11217.		13
59	Autogenous growth of the hierarchical V-doped NiFe layer double metal hydroxide electrodes for an enhanced overall water splitting. <i>Dalton Transactions</i> , 2020, 49, 11217-11225.	1.6	26
60	Catalytic reductive aminations using molecular hydrogen for synthesis of different kinds of amines. <i>Chemical Society Reviews</i> , 2020, 49, 6273-6328.	18.7	240
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62	Synthesis of Functional Chemicals from Lignin-derived Monomers by Selective Organic Transformations. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5143-5169.	2.1	42
63	Transition-Metal-Catalyzed Denitrative Coupling of Nitroarenes. <i>ACS Catalysis</i> , 2020, 10, 9856-9871.	5.5	67
64	Copper-based nanocatalysts for nitroarene reduction-A review of recent advances. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108181.	1.8	38
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71	Coupling without Coupling Reactions: En Route to Developing Phenols as Sustainable Coupling Partners via Dearomatization-Rearomatization Processes. <i>Accounts of Chemical Research</i> , 2020, 53, 2395-2413.	7.6	53
72	A Mechanism for Reversible Solid-State Transitions Involving Nitro Torsion. <i>Chemistry of Materials</i> , 2020, 32, 7754-7765.	3.2	29

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74	Insights into the Pt (111) Surface Aid in Predicting the Selective Hydrogenation Catalyst. <i>Catalysts</i> , 2020, 10, 1473.	1.6	3
75	Preparation of N-acetyl-para-aminophenol via a flow route of a clean amination and acylation of p-nitrophenol catalyzing by core-shell Cu ₂ O@CeO ₂ . <i>Arabian Journal of Chemistry</i> , 2020, 13, 8613-8625.	2.3	3
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79	Synthesis, characterization, and catalytic activity of half-sandwich ruthenium complexes with pyridine/phenylene bridged NHC = E (NHC = N-heterocyclic carbene, E = S, Se) ligands. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5651.	1.7	6
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81	Copper(II) complex with oxazoline ligand: Synthesis, structures and catalytic activity for nitro compounds reduction. <i>Journal of Molecular Structure</i> , 2020, 1217, 128349.	1.8	6
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83	Iron Pyrite Nanocrystals: A Potential Catalyst for Selective Transfer Hydrogenation of Functionalized Nitroarenes. <i>ACS Omega</i> , 2020, 5, 14104-14110.	1.6	8
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89	Metal-Free Chemoselective Hydrogenation of Nitroarenes by N-Doped Carbon Nanotubes via In Situ Polymerization of Pyrrole. <i>ACS Omega</i> , 2020, 5, 7519-7528.	1.6	17
90	Integration of Metal Single Atoms on Hierarchical Porous Nitrogen-Doped Carbon for Highly Efficient Hydrogenation of Large-Sized Molecules in the Pharmaceutical Industry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17651-17658.	4.0	27

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92	Bio-waste chitosan-derived N-doped CNT-supported Ni nanoparticles for selective hydrogenation of nitroarenes. <i>Dalton Transactions</i> , 2020, 49, 10431-10440.	1.6	40
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94	Homogeneous cobalt-catalyzed deoxygenative hydrogenation of amides to amines. <i>Catalysis Science and Technology</i> , 2020, 10, 6116-6128.	2.1	15
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96	Efficient Nitrate Reduction over Novel Covalent Ag-Salphen Polymer-Derived "Vein-Leaf-Apple"-like Ag@Carbon Structures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33186-33195.	4.0	28
97	Towards high-performance heterogeneous palladium nanoparticle catalysts for sustainable liquid-phase reactions. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1556-1618.	1.9	21
98	Graphene-TiO ₂ -polyaniline nanocomposite: A new green and efficient catalyst as a alternative for noble metal and NaBH ₄ induced the reduction of 4-nitro phenol. <i>FlatChem</i> , 2020, 22, 100179.	2.8	16
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109	Highly Dispersed Pt Nanoparticles on N-Doped Ordered Mesoporous Carbon as Effective Catalysts for Selective Hydrogenation of Nitroarenes. <i>Catalysts</i> , 2020, 10, 374.	1.6	8
110	Tuneable Copper Catalysed Transfer Hydrogenation of Nitrobenzenes to Aniline or Azo Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2689-2700.	2.1	15
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114	Pd/[C ₂ NH ₂ mim][Br] Thin Film Versus Pd/[C ₈ mim][Cl] or Pd/[C ₈ mim][BF ₄]: Catalytic Applications in Electrooxidation of Methanol, p-Nitrophenol Reduction and C-C Coupling Reaction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3448-3475.	1.9	5
115	Co,N-Codoped Porous Carbon-Supported Co ₂ ZnS with Superior Activity for Nitroarene Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6118-6126.	3.2	38
116	Ultrasound-assisted rapid reduction of nitroaromatics to anilines using gallium metal. <i>Synthetic Communications</i> , 2020, 50, 1404-1407.	1.1	1
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118	Heterogeneous iron-containing nanocatalysts - promising systems for selective hydrogenation and hydrogenolysis. <i>Catalysis Science and Technology</i> , 2020, 10, 3160-3174.	2.1	23
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122	H ₂ Activation with Co Nanoparticles Encapsulated in N-Doped Carbon Nanotubes for Green Synthesis of Benzimidazoles. <i>ChemSusChem</i> , 2021, 14, 709-720.	3.6	23
123	General Synthesis of Secondary Alkylamines by Reductive Alkylation of Nitriles by Aldehydes and Ketones. <i>Chemistry - A European Journal</i> , 2021, 27, 1609-1614.	1.7	13
124	Synthesis of Nitro Alcohols by Riboflavin Promoted Tandem Nef-Henry Reactions on Nitroalkanes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 742-746.	2.1	5
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126	Chemoselective hydroborative reduction of nitro motifs using a transition-metal-free catalyst. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4554-4559.	2.3	54

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128	Homogeneous and heterogeneous catalysts for hydrogenation of CO ₂ to methanol under mild conditions. <i>Chemical Society Reviews</i> , 2021, 50, 4259-4298.	18.7	167
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255 *Ir*^{III} complexes of 1,2,3-triazole appended tertiary phosphines,

255

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