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Silver nanoparticle catalyzed reduction of aromatic nitro compounds

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804	Comparison of PAMAM-Au and PPI-Au nanocomposites and their catalytic activity for reduction of 4-nitrophenol. <b>2002</b> , 254, 402-5		148
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801	Enhanced Raman imaging and optical spectra of gold nanoparticle doped microcapsules. <b>2003</b> , 5, 3003-	3012	49
800	Chitosan-supported palladium catalyst. IV. Influence of temperature on nitrophenol degradation and thermodynamic parameters. <b>2004</b> , 71, 15-23		23
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275	High Reusability of Catalytically Active Gold Nanoparticles Immobilized in Core-Shell Hydrogel Microspheres. <b>2018</b> , 3, 6158-6165	27
274	Direct generation of Ag nanoclusters on reduced graphene oxide nanosheets for efficient catalysis, antibacteria and photothermal anticancer applications. <b>2018</b> , 529, 444-451	28
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264	Zirconia nanoparticle-modified graphitic carbon nitride nanosheets for effective photocatalytic degradation of 4-nitrophenol in water. <b>2019</b> , 9, 1	11
263	Carrageenan-stabilized silver nanoparticle gel probe kit for colorimetric sensing of mercury (II) using digital image analysis. <b>2019</b> , 26, 100303	8
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252	Cucurbit[6]uril Glued Magnetic Clay Hybrid as a Catalyst for Nitrophenol Reduction. 2019, 149, 2355-2367	9
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249	A soluble porous organic polymer for highly efficient organic-aqueous biphasic catalysis and convenient reuse of catalysts. <b>2019</b> , 7, 15048-15053	18

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219	In situ production of high purity noble metal nanoparticles on fumed silica and catalytic activity towards 2-nitrophenol reduction. <b>2019</b> , 127, 28-34	9
218	Halloysite nanotubes sponges with skeletons made of electrospun nanofibers as innovative dye adsorbent and catalyst support. <b>2019</b> , 360, 280-288	19
217	Green synthesis of MOF@Ag nanocomposites for catalytic reduction of methylene blue. <b>2019</b> , 276, 371-378	44
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213	Enhanced catalytic reduction of 4-nitrophenol and congo red dye By silver nanoparticles prepared from Azadirachta indica leaf extract under direct sunlight exposure. <b>2019</b> , 37, 434-443	20

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211	Catalytic, antioxidant and anticancer activities of gold nanoparticles synthesized by kaempferol glucoside from Lotus leguminosae. <b>2020</b> , 13, 3112-3122	49
210	Swift reduction of 4-nitrophenol by easy recoverable magnetite-Ag/layered double hydroxide/starch bionanocomposite. <b>2020</b> , 228, 115392	44
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88	Preparation and Characterization of Silver Nanoparticles and Their Use in Catalytic Reduction of 4-Nitrophenol. <b>2016</b> , 06, 29-37	31
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65	Multifunctional CuO nanoparticles with enhanced photocatalytic dye degradation and antibacterial activity. <b>2022</b> , 32,	10
64	The two-step electrosynthesis of nanocomposites of Ag, Au, and Pd nanoparticles with iron(ii) oxide-hydroxide. <b>2022</b> , 46, 2380-2392	О
63	Plasmonic Catalysis for Energy Conversion-An Overview and Recent Trends. 1	O
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61	Fabrication of a new magnetic CoFe2O4/ZrMCM-41 nanocomposite: Simple construction and application for fast reduction of Cr(IV) and nitroaromatic compounds. <b>2022</b> , 1254, 132367	0
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54	Spinel Mixed Oxides Prepared by Soft Chemistry Methods for Catalytic Hydrogenation of 2-Nitrophenol to 2-Aminophenol. 1	
53	Ferrocene-based dendritic macromolecules as efficient supports in nanocatalysis. <b>2022</b> , 246, 124714	O
52	Nanoparticle and bioparticle deposition kinetics 2022, 302, 102630	1
51	Green in situ immobilization of gold and silver nanoparticles on bacterial nanocellulose film using Punica granatum peels extract and their application as reusable catalysts <b>2022</b> , 205, 169-177	1

50	Performance of Metal-Based Nanoparticles and Nanocomposites for Water Decontamination. <b>2022</b> , 65-112	
49	Cyclobis(Paraquat-P-Phenylene) IMediated Electrosynthesis of New-Type Nanocomposite of Palladium Nanoparticles with Designated Macrocyclic Organic Compound.	
48	Control-Synthesized Ultrafine AU Nanoparticles by Aspergillus Niger Extracellular Metabolites from Sim Cards as High-Effective 4-Nitrophenol Degradation Catalyst.	
47	Solvent effects on the kinetics of 4-nitrophenol reduction by NaBH4 in the presence of Ag and Au nanoparticles.	O
46	Coadsorbed Species with Halide Ligands on Silver Nanoparticles with Different Binding Affinities.	4
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44	Exfoliation of graphitic carbon nitride and homogeneous loading of Cu2O catalyst. 2022, 129, 106915	0
43	The identification of byproducts from the catalytic reduction reaction of 4-nitrophenol to 4-aminophenol: A systematic spectroscopic study. <b>2022</b> , 316, 115292	O
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41	Reduction of 4-nitrophenol using green-fabricated metal nanoparticles. <b>2022</b> , 12, 18661-18675	5
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39	Optimization strategy for green synthesis of silver nanoparticles (AgNPs) as catalyst for the reduction of 2,4-dinitrophenol via supported mechanism. <b>2022</b> , 128,	O
38	Ultra-sonication-enhanced green synthesis of silver nanoparticles using Barleria buxifolia leaf extract and their possible application. <b>2022</b> , 50, 177-187	1
37	Photocatalytic Reduction of 4-Nitrophenol over Bismuth Sulfur/Titanium Dioxide Heterojunction: Influence of Bismuth Sulfur Content on the Reaction Efficiency. 74, 47-57	
36	Reduction of 4-nitrophenol using copper loaded surfactant-modified chitosan beads: An approach towards sludge management. <b>2022</b> , 104044	1
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34	Studies of surface plasmon resonance of silver nanoparticles reduced by aqueous extract of shortleaf spikesedge and their catalytic activity. 1-12	0
33	Electrosynthesis of nanocomposites of Ag, Au, Pd nanoparticles with aluminum(III), zinc(II), and titanium(IV) oxide-hydroxides.	

32	N-maleyl chitosan-supported palladium catalyst for Heck coupling reaction and reduction of 4-nitrophenol. <b>2022</b> , 652, 129852	O
31	Use of surfactant bilayer modified silica for evolution and application of size variable solid Ag nanoparticle catalyst. <b>2022</b> , 290, 126579	o
30	Plasma-bioresource-derived multifunctional porous NGQD/AuNP nanocomposites for water monitoring and purification. <b>2023</b> , 451, 139083	0
29	Preparation of ultrafine and highly loaded silver nanoparticle composites and their highly efficient applications as reductive catalysts and antibacterial agents. <b>2023</b> , 629, 766-777	2
28	Cyclobis(paraquat-p-phenylene) Imediated electrosynthesis of new-type nanocomposite of palladium nanoparticles with designated macrocyclic organic compound. <b>2022</b> , 434, 141271	0
27	A bioresource catalyst system of alginate-starch-activated carbon microsphere templated Cu nanoparticles: Potentials in nitroarenes hydrogenation and dyes discoloration. <b>2022</b> , 222, 887-901	O
26	Control-synthesized ultrafine Au nanoparticles by Aspergillus niger extracellular metabolites from SIM cards as high-effective 4-nitrophenol degradation catalyst. <b>2022</b> , 10, 108676	0
25	Probing the Catalytic Reduction on the Surface of Au Nanoparticles by Second Harmonic Generation and Two-photon Luminescence.	O
24	Biomimetic Synthesis of Au-Nps using Cassia fistula Flower Extract and Studies of their Protein Interaction. <b>2022</b> , 7,	0
23	Achyranthes asperaBased biosynthesis of silver nanoparticles to investigate the efficacy against mosquito larvae.	O
22	Graphene Oxide Decorated with Ag and CeO2 Nanoparticles as a Catalyst for Room-Temperature 4-Nitrophenol Reduction. <b>2022</b> , 12, 1393	1
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20	A high-throughput catalyst synthesis system for Ag-based catalysts. <b>2022</b> , 93, 114101	0
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18	A facile green synthesis route to silver nanoparticles using cyanobacterium Nostoc carneum and its photocatalytic, antibacterial and anticoagulative activity. <b>2023</b> , 34, 105110	0
17	Alginate Biopolymer FeNi Nanocomposite Blend Stabilizes Cu Nanoparticles Template for Hydrogenation of Nitrophenol and dyes Discoloration.	О
16	Reduction Kinetics of the Three Nitrothiophenol Isomers on Pt-Coated Gold Nanorods.	О
15	Bioactivity and Catalytic Reduction of Aryl Nitro-Compounds by Biosynthesized Silver Nanoparticles using Skimmiaanquetilia. <b>2023</b> , 8,	O

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13	Comparing the Anticancer Activities of Green-Synthesized Ginsenoside and Transformed Ginsenoside Nanoconjugates (Ag, Au, and Pt). <b>2022</b> , 18, 2264-2277	O
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10	A review on azo dye degradation by exopolysaccharide-mediated green synthesis of stabilized silver nanoparticles. <b>2023</b> , 381-391	0
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8	Au/TiO2 coatings for photocatalytic reduction of 4-nitrophenol to 4-aminophenol with green light. <b>2023</b> , 418, 114145	0
7	Urethane functions can reduce metal salts under hydrothermal conditions: synthesis of noble metal nanoparticles on flexible sponges applied in semi-automated organic reduction.	O
6	Mg Al-layered double hydroxide (LDH)-assisted multiwalled carbon nanotube (MWCNT) grafting on poly-2-aminothiazole (PAT) /chitosan (CS)-blend matrix for Cd2+ removal and 4-nitrophenol reduction.	0
5	Controlled Shell and Kernel Modifications of Atomically Precise Pd/Ag Superatomic Nanoclusters.	O
4	Green synthesis of curcumin functionalized Au nanoparticles by visible light photo-reduction.	0
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1	1,4-ÆGlucosidase from Fusarium solani for Controllable Biosynthesis of Silver Nanoparticles and Their Multifunctional Applications. <b>2023</b> , 24, 5865	O