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Photochemical green synthesis of calcium-alginate-stabilized Ag and Au nanoparticles and their catalytic application to 4-nitrophenol reduction

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| 860 | Heterogeneous Catalysis On Demand: Mechanically Controlled Catalytic Activity of a Metal Surface. | | |
| 859 | Immobilization of MetalOrganic Framework Nanocrystals for Advanced Design of Supported Nanocatalysts. | | |
| 858 | Redox-active ionic-liquid-assisted one-step general method for preparing gold nanoparticle thin films: applications in refractive index sensing and catalysis. <i>Langmuir</i> , 2010 , 26, 17568-80 | 4 | 18 |
| 857 | Formation of catalytic silver nanoparticles supported on branched polyethyleneimine derivatives. <i>Langmuir</i> , 2010 , 26, 17772-9 | 4 | 104 |
| 856 | Kinetic Analysis of Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. 2010 , 114, 8814-8820 | | 938 |
| 855 | Experimental evidence for the nanocage effect in catalysis with hollow nanoparticles. 2010 , 10, 3764-9 | | 224 |
| 854 | In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. 2011 , 3, 3357-63 | | 501 |
| 853 | Stimuli-responsive gels as reaction vessels and reusable catalysts. 2011 , 40, 427-48 | | 342 |
| 852 | Formation of Ag nanoparticle-doped foam-like polymer films at the liquid-liquid interface. 2011 , 115, 11113-8 | | 25 |
| 851 | Synthesis of gold nanoparticle catalysts based on a new water-soluble ionic polymer. 2011 , 50, 8038-45 | | 51 |
| 850 | NiCo2Alloys: Controllable Synthesis, Magnetic Properties, and Catalytic Applications in Reduction of 4-Nitrophenol. 2011 , 115, 16268-16274 | | 174 |
| 849 | In situ assembly of well-dispersed gold nanoparticles on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. 2011 , 47, 3906-8 | | 264 |
| 848 | Controlled synthesis of gold nanoparticles by fluorescent light irradiation. 2011 , 22, 285602 | | 13 |
| 847 | Catalytic Activity of Faceted Gold Nanoparticles Studied by a Model Reaction: Evidence for Substrate-Induced Surface Restructuring. 2011 , 1, 908-916 | | 420 |
| 846 | Preparation of Nickel Nanoparticles in Spherical Polyelectrolyte Brush Nanoreactor and Their Catalytic Activity. 2011 , 50, 13848-13853 | | 66 |
| 845 | Co-reduced Ag/Pd Bimetallic Nanoparticles: Surface Enrichment of Pd Revealed by Raman Spectroscopy. 2011 , 115, 14844-14851 | | 41 |

| 844 | Chitosan gelation induced by the in situ formation of gold nanoparticles and its processing into macroporous scaffolds. 2011 , 12, 179-86 | 56 |
|-----|--|-----|
| 843 | One-step solvothermal synthesis of Ag-Fe3O4 composite as a magnetically recyclable catalyst for reduction of Rhodamine B. 2011 , 14, 68-73 | 101 |
| 842 | In situ green synthesis of Au nanostructures on graphene oxide and their application for catalytic reduction of 4-nitrophenol. 2011 , 1, 1142 | 216 |
| 841 | Green catalysts based on bio-inspired polymer coatings and electroless plating of silver nanoparticles. 2011 , 350, 97-102 | 27 |
| 840 | Dry photochemical synthesis of hydrotalcite, EAl2O3 and TiO2 supported gold nanoparticle catalysts. 2011 , 224, 8-15 | 22 |
| 839 | Role of pH in the synthesis of 3-aminopropyl trimethoxysilane stabilized colloidal gold/silver and their application to catalysis. <i>Materials Chemistry and Physics</i> , 2011 , 127, 203-207 | 29 |
| 838 | Preparation of magnetic microspheres with thiol-containing polymer brushes and immobilization of gold nanoparticles in the brush layer. 2011 , 47, 1877-1884 | 20 |
| 837 | Polysaccharides and phytochemicals: a natural reservoir for the green synthesis of gold and silver nanoparticles. 2011 , 5, 69-78 | 312 |
| 836 | Biosynthesis of gold nanoparticles using diatomsBilica-gold and EPS-gold bionanocomposite formation. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3207-3216 | 102 |
| 835 | Protein-assisted synthesis route of metal nanoparticles: exploration of key chemistry of the biomolecule. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5485-5495 | 28 |
| 834 | Supported quantum clusters of silver as enhanced catalysts for reduction. 2011 , 6, 123 | 72 |
| 833 | Comparative study of amphiphilic hyperbranched and linear polymer stabilized organo-soluble gold nanoparticles as efficient recyclable catalysts in the biphasic reduction of 4-nitrophenol. 2011 , 49, 3826-3834 | 27 |
| 832 | Metal-free-photocatalytic reduction of 4-nitrophenol by resin-supported dye under the visible irradiation. 2011 , 105, 317-325 | 136 |
| 831 | Synthesis and assembly of gold nanoparticle-doped polymer solid foam films at the liquid/liquid interface and their catalytic properties. 2011 , 362, 81-8 | 38 |
| 830 | Generation of alginate gel particles with AuNPs layers by polydimethylsiloxan template. 2011 , 5, 26502 | 5 |
| 829 | Room Temperature Synthesis and Catalytic Properties of Surfactant-Modified Ag Nanoparticles. 2012 , 2012, 1-7 | 11 |
| 828 | Synthesis, characterization and catalytic activity of gold nanoparticles biosynthesized with Rhizopus oryzae protein extract. 2012 , 14, 1322 | 287 |
| 827 | Biogenic synthesis of photocatalytically active Ag/TiO2 and Au/TiO2 composites. 2012 , 14, 968 | 38 |

| 826 | Formation of nano-plate silver particles in the presence of polyampholyte copolymer. 2012 , 414, 17-25 | | 16 |
|-----|--|-----|-----|
| 825 | Photothermally enhanced catalytic activity of partially aggregated gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1 | 2.3 | 5 |
| 824 | Thermally tunable catalytic and optical properties of gold-hydrogel nanocomposites. 2012 , 23, 275606 | | 29 |
| 823 | Amphiphilic hyperbranched copolymers bearing a hyperbranched core and a dendritic shell as novel stabilizers rendering gold nanoparticles with an unprecedentedly long lifetime in the catalytic reduction of 4-nitrophenol. 2012 , 22, 21173 | | 57 |
| 822 | Synthesis and Catalytic Properties of Silver Nanoparticlellinear Polyethylene Imine Colloidal Systems. 2012 , 116, 4594-4604 | | 73 |
| 821 | Tunable gold nanostructures with nanocapsules as template reaction vessels. 2012 , 2, 11668 | | 6 |
| 820 | Environmentally friendly light-driven synthesis of Ag nanoparticles in situ grown on magnetically separable biohydrogels as highly active and recyclable catalysts for 4-nitrophenol reduction. 2012 , 22, 23447 | | 142 |
| 819 | In situ loading of well-dispersed gold nanoparticles on two-dimensional graphene oxide/SiO2 composite nanosheets and their catalytic properties. 2012 , 4, 1641-6 | | 110 |
| 818 | Microfluidic one-step fabrication of radiopaque alginate microgels with in situ synthesized barium sulfate nanoparticles. 2012 , 12, 4781-6 | | 28 |
| 817 | In-situ formation of silver nanoparticles stabilized by amphiphilic star-shaped copolymer and their catalytic application. <i>Applied Surface Science</i> , 2012 , 258, 2655-2660 | 6.7 | 65 |
| 816 | Synthesis of CuO@NiO core-shell nanoparticles by homogeneous precipitation method. <i>Journal of Alloys and Compounds</i> , 2012 , 537, 232-241 | 5.7 | 56 |
| 815 | Catalysis using gold nanoparticles decorated on nanocrystalline cellulose. 2012 , 4, 997-1002 | | 158 |
| 814 | Synthesis of silicate solgel matrix embedded silver nanostructures: Efficient nanocatalyst for the reduction of 4-nitrophenol. 2012 , 204-206, 16-22 | | 19 |
| 813 | Palladium nanoparticles decorated carbon nanotubes: facile synthesis and their applications as highly efficient catalysts for the reduction of 4-nitrophenol. 2012 , 14, 586 | | 137 |
| 812 | Au/graphene hydrogel: synthesis, characterization and its use for catalytic reduction of 4-nitrophenol. 2012 , 22, 8426 | | 748 |
| 811 | Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. 2012 , 22, 1387-1395 | ; | 225 |
| 810 | Synthesis and characterization of silver nanoparticles supported on surface-modified poly(N-vinylimidazale) as catalysts for the reduction of 4-nitrophenol. 2012 , 365, 128-135 | | 70 |
| 809 | Gold nanoparticles stabilized on nanocrystalline magnesium oxide as an active catalyst for reduction of nitroarenes in aqueous medium at room temperature. 2012 , 14, 3164 | | 287 |

(2013-2012)

| 808 | Facile route fabrication of nano-Ni core mesoporous-silica shell particles with high catalytic activity towards 4-nitrophenol reduction. 2012 , 14, 4601 | 99 |
|-----|--|----------------|
| 807 | Synthesis of green nanocatalysts and industrially important green reactions. 2012 , 5, 707-725 | 35 |
| 806 | Ag-nanoparticle-loaded mesoporous silica: spontaneous formation of Ag nanoparticles and mesoporous silica SBA-15 by a one-pot strategy and their catalytic applications. <i>Langmuir</i> , 2012 , 28, 4768-75 | 97 |
| 805 | Charakterisierung Nanopartikel-katalysierter Reaktionen durch oberfl e henverst E kte Raman-Streuung. 2012 , 124, 7712-7716 | 13 |
| 804 | Characterizing the kinetics of nanoparticle-catalyzed reactions by surface-enhanced Raman scattering. 2012 , 51, 7592-6 | 143 |
| 803 | Bismuth hexagons: facile mass synthesis, stability and applications. 2012 , 13, 2162-9 | 13 |
| 802 | Environmentally Friendly Photocatalytic Synthesis of Porphyrin/Ag Nanoparticles/Reduced Graphene Oxide Ternary Nanohybrids Having Superior Catalytic Activity. 2012 , 77, 545-550 | 20 |
| 801 | Cellulose/silver nanoparticles composite microspheres: eco-friendly synthesis and catalytic application. 2012 , 19, 1239-1249 | 100 |
| 800 | Tailoring the structure, composition, optical properties and catalytic activity of AgAu nanoparticles by the galvanic replacement reaction. 2012 , 531, 188-192 | 40 |
| 799 | Correlation between catalytic activity and surface ligands of monolayer protected gold nanoparticles. 2012 , 368, 77-85 | 26 |
| 798 | Formation of Au nanoparticle-doped PVK microcapsules and foam-like structures at the liquid/liquid interface. <i>Materials Chemistry and Physics</i> , 2012 , 132, 916-922 | 8 |
| 797 | Alginate hydrogel microbeads incorporated with Ag nanoparticles obtained by electrochemical method. <i>Materials Chemistry and Physics</i> , 2012 , 133, 182-189 | 43 |
| 796 | Nano silver impregnation on commercial TiO2 and a comparative photocatalytic account to degrade malachite green. 2012 , 89, 147-159 | 7 ² |
| 795 | Recyclable plant tannin-chelated Rh(III) complex catalysts for aqueous@rganic biphasic hydrogenation of quinoline. 2012 , 87, 1104-1110 | 2 |
| 794 | Novel alginate based nanocomposite hydrogels with incorporated silver nanoparticles. 2012 , 23, 99-107 | 44 |
| 793 | Rod-Like Co2P Nanostructures: Improved Synthesis, Catalytic Property and Application in the Removal of Heavy Metal. 2013 , 24, 1067-1080 | 12 |
| 792 | Bio-inspired fabrication of silver nanoparticles on nanostructured silica: characterization and application as a highly efficient hydrogenation catalyst. 2013 , 15, 2548 | 90 |
| 791 | Identification of site requirements for reduction of 4-nitrophenol using gold nanoparticle catalysts. 2013 , 3, 2976 | 77 |

| 790 | Photomorphogenesis of Eglobulin: effect on sequential ordering and knock out of gold nanoparticles array. 2013 , 3, 13463 | | 1 |
|-----|--|-----|-----|
| 789 | Aqueous synthesis of silver nanoparticles stabilized by cationic cellulose and their catalytic and antibacterial activities. 2013 , 3, 19319 | | 22 |
| 788 | A facile one-step way to anchor noble metal (Au, Ag, Pd) nanoparticles on a reduced graphene oxide mat with catalytic activity for selective reduction of nitroaromatic compounds. 2013 , 15, 6819 | | 148 |
| 787 | Investigation into the catalytic activity of porous platinum nanostructures. <i>Langmuir</i> , 2013 , 29, 11431-9 | 4 | 56 |
| 786 | Revisiting catalytic model reaction p-nitrophenol/NaBH4 using metallic nanoparticles coated on polymeric spheres. 2013 , 5, 11919-27 | | 142 |
| 785 | Biosynthesis of silver nanoparticles using chitosan immobilized Bacillus cereus: Nanocatalytic studies. 2013 , 188, 81-88 | | 20 |
| 784 | Synthesis, characterization, and catalytic activity for hybrids of multi-walled carbon nanotube and amphiphilic poly(propyleneimine) dendrimer immobilized with silver and palladium nanoparticle. 2013 , 396, 101-11 | | 24 |
| 783 | Preparation of well-defined dendrimer encapsulated ruthenium nanoparticles and their evaluation in the reduction of 4-nitrophenol according to the Langmuir-Hinshelwood approach. <i>Langmuir</i> , 2013 , 29, 13433-42 | 4 | 131 |
| 782 | Protein mediated synthesis of gold nanobiocatalyst by microwave: A high efficient catalytic activity for the selective oxidation of benzyl alcohol. 2013 , 380, 78-83 | | 3 |
| 781 | A Facile Synthesis of Multifunctional Iron Oxide@Ag CoreBhell Nanoparticles and Their Catalytic Applications. 2013 , 2013, 6126-6136 | | 41 |
| 78o | Gold-Based Core/Shell and Hollow Nanoparticles. 2013, 1 | | |
| 779 | Room-temperature synthesis and enhanced catalytic performance of silver-reduced graphene oxide nanohybrids. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1 | 2.3 | 23 |
| 778 | Reduced state carbon dots as both reductant and stabilizer for the synthesis of gold nanoparticles. 2013 , 64, 499-506 | | 79 |
| 777 | Size-Dependent Hydrogenation of p-Nitrophenol with Pd Nanoparticles Synthesized with Poly(amido)amine Dendrimer Templates. 2013 , 117, 22644-22651 | | 150 |
| 776 | Low cost nano materials crystallize in the NiAs structure type as an alternative to the noble metals in the hydrogenation process. 2013 , 3, 22887 | | 16 |
| 775 | Electrochemical biosensing platform based on a hemocyaninAu@QC NPBarbon black hybrid nano-composite film. 2013 , 5, 3168 | | 3 |
| 774 | In situ preparation, characterization, magnetic and catalytic studies of surfactant free RGO/Fe(x)Co(100-x) nanocomposites. 2013 , 42, 7936-42 | | 8 |
| 773 | A facile approach to TiO2 colloidal spheres decorated with Au nanoparticles displaying well-defined sizes and uniform dispersion. <i>Langmuir</i> , 2013 , 29, 1642-9 | 4 | 89 |

(2013-2013)

| 77 ² | Efficient electrosynthesis of highly active Cu3(BTC)2-MOF and its catalytic application to chemical reduction. <i>Microporous and Mesoporous Materials</i> , 2013 , 168, 57-64 | 151 |
|-----------------|--|-----|
| 771 | Core-shell capsules based on supramolecular hydrogels show shell-related erosion and release due to confinement. 2013 , 13, 77-83 | 8 |
| 77° | Honeycomb-like thin films of polystyrene-block-poly(2-vinylpyridine) embedded with gold or silver nanoparticles formed at the planer liquid/liquid interface. 2013 , 402, 75-85 | 30 |
| 769 | Self-organized macroporous thin carbon films for supported metal catalysis. 2013 , 427, 83-94 | 23 |
| 768 | Photocatalytic Degradation of Methyl Orange with Commercial Organic Pigment Sensitized TiO2. 2013 , 18, 478-485 | 16 |
| 767 | Interfacial assembly of Pt nanoparticle-doped free-standing polymer foam films and their catalytic performance. 2013 , 419, 201-208 | 12 |
| 766 | Assembly of foam and honeycomb films of a diblock copolymer doped with Au or Ag nanoparticles at the liquid/liquid interface and their catalytic properties. <i>Materials Chemistry and Physics</i> , 2013 , 4.4 142, 259-267 | 9 |
| 765 | Catalytic reduction of 4-nitrophenol by silver nanoparticles stabilized on environmentally benign macroscopic biopolymer hydrogel. 2013 , 132, 374-7 | 146 |
| 764 | Preparation and enhanced visible light catalytic activity of TiO2 sensitized with Benzimidazolone Yellow H3G. 2013 , 98, 358-366 | 26 |
| 763 | Nanocomposite of montmorillonite and silver nanoparticles: Characterization and application in catalytic reduction of 4-nitrophenol. <i>Materials Chemistry and Physics</i> , 2013 , 140, 493-498 | 36 |
| 762 | Silver nanoparticle-alginate composite beads for point-of-use drinking water disinfection. 2013 , 47, 3959-65 | 126 |
| 761 | Hyperbranched polymer mediated fabrication of water soluble carbon nanotube-metal nanoparticle hybrids. 2013 , 5, 2915-20 | 27 |
| 760 | Preparation of bimetallic nanoparticles using a facile green synthesis method and their application. <i>Langmuir</i> , 2013 , 29, 4901-7 | 132 |
| 759 | Gold nanoparticles immobilized in hyperbranched polyethylenimine modified polyacrylonitrile fiber as highly efficient and recyclable heterogeneous catalysts for the reduction of 4-nitrophenol. 2013 , 1, 5923 | 120 |
| 758 | Polymer nanoparticles with dendrimer-Ag shell and its application in catalysis. 2013 , 11, 346-352 | 20 |
| 757 | Modifiers-assisted formation of nickel nanoparticles and their catalytic application to p-nitrophenol reduction. 2013 , 15, 560-569 | 221 |
| 756 | Bimetallic AuAg nanoparticles: enhancing the catalytic activity of Au for reduction reactions in the liquid phase by addition of Ag. 2013 , 14, 1577-81 | 17 |
| 755 | Influence of doping on semiconductor nanocrystals mediated charge transfer and photocatalytic organic reaction. 2013 , 49, 6018-20 | 28 |

| 754 | Preparation of yolk-shell Fe(x)O(y)/Pd@mesoporous SiO2 composites with high stability and their application in catalytic reduction of 4-nitrophenol. 2013 , 5, 5896-904 | 90 |
|---------------------------------|--|--------------------|
| 753 | Synthesis, properties and applications of flowerlike NiNiO composite microstructures. 2013 , 1, 8438 | 55 |
| 75 ² | TitaniaBupported silver nanoparticles: An efficient and reusable catalyst for reduction of 4-nitrophenol. <i>Applied Surface Science</i> , 2013 , 273, 676-683 | 57 |
| 751 | One-pot green synthesis of silver/iron oxide composite nanoparticles for 4-nitrophenol reduction. 2013 , 248-249, 394-400 | 238 |
| 750 | Synthesis and characterization of Cu, Ag and Au dendrimer-encapsulated nanoparticles and their application in the reduction of 4-nitrophenol to 4-aminophenol. 2013 , 389, 260-7 | 214 |
| 749 | CO2-Fixation on Aliphatic #Diamines to Form Cyclic Ureas, Catalyzed by Ceria Nanoparticles that were Obtained by Templating with Alginate. 2013 , 5, 1020-1023 | 27 |
| 748 | Size effect of gold nanoparticles in catalytic reduction of p-nitrophenol with NaBH4. 2013, 18, 12609-20 | 127 |
| 747 | Extracellular polysaccharide production by a novel osmotolerant marine strain of Alteromonas macleodii and its application towards biomineralization of silver. 2014 , 9, e98798 | 28 |
| 746 | Heparin assisted photochemical synthesis of gold nanoparticles and their performance as SERS substrates. 2014 , 15, 19239-52 | 17 |
| | | |
| 745 | Biological Synthesis of Metallic Nanoparticles by Bacteria, Fungi and Plants. 2014 , 05, | 263 |
| 745 744 | Biological Synthesis of Metallic Nanoparticles by Bacteria, Fungi and Plants. 2014 , 05, . 2014 , | 263 |
| | | , , , |
| 744 | . 2014, | 10 |
| 744 743 | . 2014, Reduction of 4-Nitrophenol as a Model Reaction for Nanocatalysis. 2014, 333-405 Unprecedented catalytic performance in disordered nickel niobate through photo-synergistic | 10 |
| 744 743 742 | . 2014, Reduction of 4-Nitrophenol as a Model Reaction for Nanocatalysis. 2014, 333-405 Unprecedented catalytic performance in disordered nickel niobate through photo-synergistic promotion. 2014, 50, 4200-2 Effects of SC-560 in combination with cisplatin or taxol on angiogenesis in human ovarian cancer | 10 2 15 |
| 744 743 742 741 | . 2014, Reduction of 4-Nitrophenol as a Model Reaction for Nanocatalysis. 2014, 333-405 Unprecedented catalytic performance in disordered nickel niobate through photo-synergistic promotion. 2014, 50, 4200-2 Effects of SC-560 in combination with cisplatin or taxol on angiogenesis in human ovarian cancer xenografts. 2014, 15, 19265-80 Facile synthesis of reduced graphene oxide/PtNi nanocatalysts: their magnetic and catalytic | 10 2 15 |
| 744 743 742 741 740 | . 2014, Reduction of 4-Nitrophenol as a Model Reaction for Nanocatalysis. 2014, 333-405 Unprecedented catalytic performance in disordered nickel niobate through photo-synergistic promotion. 2014, 50, 4200-2 Effects of SC-560 in combination with cisplatin or taxol on angiogenesis in human ovarian cancer xenografts. 2014, 15, 19265-80 Facile synthesis of reduced graphene oxide/PtNi nanocatalysts: their magnetic and catalytic properties. 2014, 4, 48563-48571 Facile synthesis of AuPt alloy nanoparticles in polyelectrolyte multilayers with enhanced catalytic | 10 2 15 9 |

(2014-2014)

| 736 | Surfactant-free synthesis of CuNi nanocrystals and their application for catalytic reduction of 4-nitrophenol. 2014 , 390, 29-36 | 44 |
|-----|---|----|
| 735 | Surface modification of cotton fabrics for antibacterial application by coating with AgNPs-alginate composite. 2014 , 108, 145-52 | 98 |
| 734 | Multifunctional Co(0.85)Se-Fe(3)O(4) nanocomposites: controlled synthesis and their enhanced performances for efficient hydrogenation of p-nitrophenol and adsorbents. 2014 , 10, 717-24 | 68 |
| 733 | A facile synthesis of graphene-like cobaltflickel double hydroxide nanocomposites at room temperature and their excellent catalytic and adsorption properties. <i>Journal of Nanoparticle</i> 2.3 <i>Research</i> , 2014 , 16, 1 | 17 |
| 732 | Facile synthesis of highly catalytic activity Nilloldl composite for reduction of the p-Nitrophenol. 2014 , 470, 89-96 | 47 |
| 731 | Catalytic Reduction of 4-Nitrophenol Using Gold Nanoparticles Supported on Carbon Nanotubes. 2014 , 3, M18-M20 | 41 |
| 730 | Dendrimer-templated Pd nanoparticles and Pd nanoparticles synthesized by reverse microemulsions as efficient nanocatalysts for the Heck reaction: A comparative study. 2014 , 415, 57-69 | 28 |
| 729 | Main-chain organometallic microporous polymers bearing triphenylene-tris(N-heterocyclic carbene)-gold species: catalytic properties. 2014 , 20, 5746-51 | 37 |
| 728 | One-pot synthesis of Ag-iron oxide/reduced graphene oxide nanocomposite via hydrothermal treatment. 2014 , 446, 102-108 | 39 |
| 727 | Ag(I)-bovine serum albumin hydrosol-mediated formation of Ag3PO4/reduced graphene oxide composites for visible-light degradation of Rhodamine B solution. 2014 , 417, 293-300 | 12 |
| 726 | One-pot synthesis of gelatin-based, slow-release polymer microparticles containing silver nanoparticles and their application in anti-fouling paint. 2014 , 77, 1226-1232 | 20 |
| 725 | Palladium-Nanoparticle-Linked Organic Frameworks: Heterogeneous Recyclable Catalysts in Aqueous Medium. 2014 , 6, 1641-1651 | 12 |
| 724 | Green synthesis of chondroitin sulfate-capped silver nanoparticles: characterization and surface modification. 2014 , 110, 195-202 | 45 |
| 723 | RhNPs/SBA-NH2: a high-performance catalyst for aqueous phase reduction of nitroarenes to aminoarenes at room temperature. 2014 , 4, 1813-1819 | 33 |
| 722 | Alginate mediate for synthesis controllable sized AgNPs. 2014 , 111, 10-7 | 49 |
| 721 | Catalytic activity of Fe@Ag nanoparticle involved calcium alginate beads for the reduction of nitrophenols. 2014 , 190, 133-138 | 90 |
| 720 | Biodegradable sodium alginate-based semi-interpenetrating polymer network hydrogels for antibacterial application. 2014 , 102, 3196-206 | 30 |
| 719 | Functionalized Carbon Spheres for Extraction of Nanoparticles and Catalyst Support in Water. 2014 , 2, 2675-2682 | 48 |

| 718 | Facile water-based synthesis and catalytic properties of platinumgold alloy nanocubes. 2014, 16, 1606-161 | 0 | 58 |
|-----|--|------------|-----|
| 717 | Application of Nb2O5 nanowire supported Pd nanoparticles in reduction of nitro-aromatic compounds as efficient and stable catalysts. 2014 , 4, 45088-45094 | | 7 |
| 716 | Palladium nanoparticles immobilized on corellhell magnetic fibers as a highly efficient and recyclable heterogeneous catalyst for the reduction of 4-nitrophenol and Suzuki coupling reactions. 2014 , 2, 19696-19706 | | 127 |
| 715 | Urchin-like NixPy hollow superstructures: mild solvothermal synthesis and enhanced catalytic performance for the reduction of 4-nitrophenol. 2014 , 16, 2113 | | 26 |
| 714 | Versatile Ag dendrites: simple galvanostatic deposition and applications. <i>New Journal of Chemistry</i> , 2014 , 38, 1738 | ó | 6 |
| 713 | In situ generated copper nanoparticle catalyzed reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2014 , 38, 1789 | ó | 171 |
| 712 | CoMn2O4 hierarchical microspheres with high catalytic activity towards p-nitrophenol reduction. 2014 , 43, 13865-73 | | 39 |
| 711 | Graphene oxide supported Au nanoparticles as an efficient catalyst for reduction of nitro compounds and SuzukiMiyaura coupling in water. 2014 , 4, 48691-48697 | | 85 |
| 710 | Silver-promoted gelation studies of an unorthodox chelating tripodal pyridinepyrazole-based ligand: templated growth of catalytic silver nanoparticles, gas and dye adsorption. <i>New Journal of Chemistry</i> , 2014 , 38, 2470 | ó | 20 |
| 709 | Fabrication and catalytic activity of FeNi@Ni nanocables for the reduction of p-nitrophenol. 2014 , 43, 7924-9 | | 23 |
| 708 | Electrochemical formation of Cu/Ag surfaces and their applicability as heterogeneous catalysts. 2014 , 4, 7207 | | 33 |
| 707 | D-Glucopyranose-modified compound of Ruddlesden B opper phases H2CaTa2O7: characterization and intercalation with Ag. 2014 , 2, 15590 | | 8 |
| 706 | Flowerlike Bi2S3 microspheres: facile synthesis and application in the catalytic reduction of 4-nitroaniline. <i>New Journal of Chemistry</i> , 2014 , 38, 5324-5330 | ó | 30 |
| 705 | Fabrication of high-density silver nanoparticles on the surface of alginate microspheres for application in catalytic reaction. 2014 , 2, 8491-8499 | | 36 |
| 704 | High performance Pd nanocrystals supported on SnO2-decorated graphene for aromatic nitro compound reduction. 2014 , 2, 3461-3467 | | 39 |
| 703 | Reduction of Hexavalent Chromium Using Recyclable Pt/Pd Nanoparticles Immobilized on Procyanidin-Grafted Eggshell Membrane. 2014 , 53, 13635-13643 | | 79 |
| 702 | Multiply twinned AgNi alloy nanoparticles as highly active catalyst for multiple reduction and degradation reactions. ACS Applied Materials & amp; Interfaces, 2014, 6, 16071-81 | - - | 114 |
| 701 | Reduction of 4-nitrophenol catalyzed by silver nanoparticles supported on polymer micelles and vesicles. 2014 , 4, 16425-16428 | | 59 |

| 700 | Environmentally benign magnetic chitosan/Fe3O4 composites as reductant and stabilizer for anchoring Au NPs and their catalytic reduction of 4-nitrophenol. 2014 , 2, 13471-13478 | | 74 | |
|-----|--|---------|---------------|--|
| 699 | Ag nanoparticles supported on N-doped graphene hybrids for catalytic reduction of 4-nitrophenol. 2014 , 4, 43204-43211 | | 47 | |
| 698 | Glucomannan-mediated facile synthesis of gold nanoparticles for catalytic reduction of 4-nitrophenol. 2014 , 9, 404 | | 26 | |
| 697 | Sodium borohydride stabilizes very active gold nanoparticle catalysts. 2014 , 50, 14194-6 | | 172 | |
| 696 | Catalytic evaluation of dendrimer-templated Pd nanoparticles in the reduction of 4-nitrophenol using Langmuir inshelwood kinetics. <i>Applied Surface Science</i> , 2014 , 320, 400-413 | 6.7 | 61 | |
| 695 | Direct electrochemistry and electrocatalysis of hemoglobin on a glassy carbon electrode modified with poly(ethylene glycol diglycidyl ether) and gold nanoparticles on a quaternized cellulose support. A sensor for hydrogen peroxide and nitric oxide. 2014 , 181, 1541-1549 | | 13 | |
| 694 | Eco-friendly synthesis and antibacterial activity of silver nanoparticles reduced by nano-wood materials. 2014 , 21, 2489-2496 | | 13 | |
| 693 | Silver nanoparticles immobilized on fibrous nano-silica as highly efficient and recyclable heterogeneous catalyst for reduction of 4-nitrophenol and 2-nitroaniline. 2014 , 158-159, 129-135 | | 291 | |
| 692 | Sunlight-induced synthesis of various gold nanoparticles and their heterogeneous catalytic properties on a paper-based substrate. <i>ACS Applied Materials & District Action (Control of the Control of the</i> | 9.5 | 34 | |
| 691 | PAM/graphene/Ag ternary hydrogel: synthesis, characterization and catalytic application. 2014 , 2, 113 | 319-113 | 3 3 81 | |
| 690 | Effect of ordered and disordered phases of unsupported Ag3In nanoparticles on the catalytic reduction of p-nitrophenol. 2014 , 318, 143-150 | | 15 | |
| 689 | Gold nanoparticles as electron reservoir redox catalysts for 4-nitrophenol reduction: a strong stereoelectronic ligand influence. 2014 , 50, 10126-9 | | 93 | |
| 688 | Unique self-assembly behavior of a triblock copolymer and fabrication of catalytically active gold nanoparticle/polymer thin films at the liquid/liquid interface. <i>Materials Chemistry and Physics</i> , 2014 , 146, 88-98 | 4.4 | 9 | |
| 687 | Facile synthesis of antimony selenide with lamellar nanostructures and their efficient catalysis for the hydrogenation of p-nitrophenol. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 40-47 | 5.7 | 15 | |
| 686 | Recent advances in silver-based heterogeneous catalysts for green chemistry processes. 2014 , 160-161, 730-741 | | 108 | |
| 685 | Ni/graphene Nanostructure and Its Electron-Enhanced Catalytic Action for Hydrogenation Reaction of Nitrophenol. 2014 , 118, 6307-6313 | | 139 | |
| 684 | Preparation of Bismuth Nanoparticles in Aqueous Solution and Its Catalytic Performance for the Reduction of 4-Nitrophenol. 2014 , 53, 10576-10582 | | 68 | |
| 683 | Screening the Formation of Silver Nanoparticles Using a New Reaction Kinetics Multivariate | | | |

| 682 | Localized synthesis of gold nanoparticles in anisotropic alginate structures. 2014 , 4, 20449 | 20 |
|-----|---|-----|
| 681 | Synthesis and characterization of thermosensitive hydrogel with improved mechanical properties. 2015 , 30, 2400-2407 | 7 |
| 68o | Catalytic Reduction of p-Nitrophenol and Hexacyanoferrate (III) by Borohydride Using Green Synthesized Gold Nanoparticles. 2015 , 62, 420-428 | 22 |
| 679 | Green and energy-efficient methods for the production of metallic nanoparticles. 2015 , 6, 2354-76 | 37 |
| 678 | Apoptosis Induction in Human Leukemia Cell Lines by Gold Nanoparticles Synthesized Using the Green Biosynthetic Approach. 2015 , 2015, 1-10 | 16 |
| 677 | Caffeic Acid: Potential Applications in Nanotechnology as a Green Reducing Agent for Sustainable Synthesis of Gold Nanoparticles. 2015 , 10, 1934578X1501000 | 2 |
| 676 | Alginate fibers embedded with silver nanoparticles as efficient catalysts for reduction of 4-nitrophenol. 2015 , 5, 49534-49540 | 49 |
| 675 | Au decorated Fe3O4@TiO2 magnetic composites with visible light-assisted enhanced catalytic reduction of 4-nitrophenol. 2015 , 5, 50454-50461 | 36 |
| 674 | Role of solvents on photocatalytic reduction of nitroarenes by solgel synthesized TiO2/zeolite-4A. 2015 , 22, 1105-1110 | 15 |
| 673 | Surface Structure of Silver Nanoparticles as a Model for Understanding the Oxidative Dissolution of Silver Ions. <i>Langmuir</i> , 2015 , 31, 13361-72 | 56 |
| 672 | Quantitative label-free and real-time surface-enhanced Raman scattering monitoring of reaction kinetics using self-assembled bifunctional nanoparticle arrays. 2015 , 87, 8702-8 | 28 |
| 671 | Enhanced catalytic activity of Au nanoparticles self-assembled on thiophenol functionalized graphene. 2015 , 5, 2149-2156 | 19 |
| 670 | Basic concepts and recent advances in nitrophenol reduction by gold- and other transition metal nanoparticles. 2015 , 287, 114-136 | 528 |
| 669 | Plasma-assisted synthesis of Ag nanoparticles immobilized in mesoporous cellular foams and their catalytic properties for 4-nitrophenol reduction. <i>Microporous and Mesoporous Materials</i> , 2015 , 207, 149-153 | 28 |
| 668 | Brawny Silver-Hydrogel Based Nanocatalyst for Reduction of Nitrophenols: Studies on Kinetics and Mechanism. 2015 , 54, 1197-1203 | 58 |
| 667 | Fabrication of hollow Cu2O@CuO-supported AuPd alloy nanoparticles with high catalytic activity through the galvanic replacement reaction. 2015 , 3, 4578-4585 | 79 |
| 666 | Surface-Selective Deposition of a Reusable Gold Catalyst on a Thin Film of Metal Hydroxide Nanocrystals. 2015 , 2015, 640-645 | 4 |
| 665 | Hierarchical macrotube/mesopore carbon decorated with mono-dispersed Ag nanoparticles as a highly active catalyst. 2015 , 17, 2515-2523 | 90 |

(2015-2015)

| 664 | activity of noble metals nanocomposites. 2015 , 148, 86-90 | 7 |
|-----|--|------|
| 663 | PdO nanoparticles enhancing the catalytic activity of Pd/carbon nanotubes for 4-nitrophenol reduction. 2015 , 5, 27526-27532 | 55 |
| 662 | DMAc used as a reducer for preparation of spherical silver nanoparticles with high dispersion. 2015 , 22, 445-449 | 3 |
| 661 | Bioinspired Design of an Immobilization Interface for Highly Stable, Recyclable Nanosized Catalysts. <i>ACS Applied Materials & Acs Applied & Ac</i> | 37 |
| 660 | AgBiO2 nanocomposites with plum-pudding structure as catalyst for hydrogenation of 4-nitrophenol. 2015 , 41, 14660-14667 | 29 |
| 659 | Starch based biodegradable graft copolymer for the preparation of silver nanoparticles. 2015 , 81, 83-90 | 14 |
| 658 | Quaternized chitosan/rectorite/AgNP nanocomposite catalyst for reduction of 4-nitrophenol. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 463-470 5-7 | 18 |
| 657 | A cheap and efficient catalyst with ultra-high activity for reduction of 4-nitrophenol. 2015 , 17, 5744-5750 | 19 |
| 656 | Photocatalytic-degradation and reduction of organic compounds using SnO2 quantum dots (via a green route) under direct sunlight. 2015 , 5, 66122-66133 | 54 |
| 655 | Silver nanoparticles stabilized by a polyaminocyclodextrin as catalysts for the reduction of nitroaromatic compounds. 2015 , 408, 250-261 | 20 |
| 654 | Synthesis of glucose-mediated AgEFe2O3 multifunctional nanocomposites in aqueous medium [] a kinetic analysis of their catalytic activity for 4-nitrophenol reduction. 2015 , 17, 4786-4799 | 24 |
| 653 | Kinetic studies of catalytic reduction of 4-nitrophenol with NaBH4 by means of Au nanoparticles dispersed in a conducting polymer matrix. 2015 , 19, 2849-2858 | 46 |
| 652 | Synthesis of CeO2/Pd nanocomposites by pulsed laser ablation in liquids for the reduction of 4-nitrophenol to 4-aminophenol. 2015 , 41, 12432-12438 | 36 |
| 651 | Synthesis and characterization of Cu2O/Au and its application in catalytic reduction of 4-nitrophenol. 2015 , 89, 1374-1380 | 10 |
| 650 | Microwave-assisted facile green synthesis of silver nanoparticles and spectroscopic investigation of the catalytic activity. 2015 , 38, 659-666 | 18 |
| 649 | Carbon dot reduced bimetallic nanoparticles: size and surface plasmon resonance tunability for enhanced catalytic applications. 2015 , 3, 16354-16360 | 49 |
| 648 | Structural evolution of (Au2S)n (n = 18) clusters from first principles global optimization. 2015 , 5, 62543-625 | 5015 |
| 647 | Synergetic catalytic effect of Cu2-xSe nanoparticles and reduced graphene oxide coembedded in electrospun nanofibers for the reduction of a typical refractory organic compound. <i>ACS Applied</i> 9.5 <i>Materials & amp; Interfaces</i> , 2015 , 7, 15447-57 | 25 |

| 646 | Iridium Oxide Nanoparticles and Iridium/Iridium Oxide Nanocomposites: Photochemical Fabrication and Application in Catalytic Reduction of 4-Nitrophenol. <i>ACS Applied Materials & Discourse amp; Interfaces</i> , 9.5 2015 , 7, 16738-49 | 94 |
|-----|---|-----|
| 645 | Facile controlled synthesis of silver particles with high catalytic activity. 2015 , 481, 407-412 | 11 |
| 644 | Silver nanoparticles on carboxyl-functionalized Fe3O4 with high catalytic activity for 4-nitrophenol reduction. 2015 , 5, 50505-50511 | 36 |
| 643 | In Situ Synthesis of Monodisperse Silver Nanoparticles on Sulfhydryl-Functionalized Poly(glycidyl methacrylate) Microspheres for Catalytic Reduction of 4-Nitrophenol. 2015 , 54, 6480-6488 | 57 |
| 642 | Synthesis of 1D FeD/P(MBAAm-co-MAA) nanochains as stabilizers for Ag nanoparticles and templates for hollow mesoporous structure, and their applications in catalytic reaction and drug delivery. 2015 , 456, 145-54 | 13 |
| 641 | Multifunctional cellulosic paper based on quaternized chitosan and gold nanoparticle duced graphene oxide via electrostatic self-assembly. 2015 , 3, 7422-7428 | 40 |
| 640 | A facile approach to fabricate halloysite/metal nanocomposites with preformed and in situ synthesized metal nanoparticles: a comparative study of their enhanced catalytic activity. 2015 , 44, 8906-16 | 37 |
| 639 | Synthesis of Gold Nanoparticles on Rice Husk Silica for Catalysis Applications. 2015 , 54, 5656-5663 | 35 |
| 638 | Facile deposition of gold nanoparticles on coreBhell Fe3O4@polydopamine as recyclable nanocatalyst. 2015 , 45, 9-14 | 47 |
| 637 | Preparation of a magnetically separable CoFe2O4 supported Ag nanocatalyst and its catalytic reaction towards the decolorization of a variety of dyes. 2015 , 5, 40193-40198 | 18 |
| 636 | In situ assembly of dispersed Ag nanoparticles on hierarchically porous organosilica microspheres for controllable reduction of 4-nitrophenol. 2015 , 50, 3399-3408 | 20 |
| 635 | Biocompatible Etarrageenan-Emaghemite nanocomposite for biomedical applications - synthesis, characterization and in vitro anticancer efficacy. 2015 , 13, 18 | 26 |
| 634 | Crumpled graphene nanoreactors. 2015 , 7, 10267-78 | 19 |
| 633 | Synthesis and stabilization of metal nanocatalysts for reduction reactions 🗈 review. 2015 , 3, 11157-11182 | 217 |
| 632 | Size-controlled synthesis of Ag nanoparticles functionalized by heteroleptic dipyrrinato complexes having meso-pyridyl substituents and their catalytic applications. 2015 , 54, 2500-11 | 22 |
| 631 | Facile reduction of aromatic nitro compounds to aromatic amines catalysed by support-free nanoporous silver. 2015 , 5, 30062-30066 | 17 |
| 630 | Au/graphene oxide/carbon nanotube flexible catalyst film: synthesis, characterization and its application for catalytic reduction of 4-nitrophenol. 2015 , 5, 37710-37715 | 30 |
| 629 | Nanoparticle Synthesis by Biogenic Approach. 2015 , 237-257 | 3 |

| 628 | Nitroarene reduction: a trusted model reaction to test nanoparticle catalysts. 2015 , 51, 9410-31 | | 537 |
|-----|--|-----|-----|
| 627 | Mussel-Inspired Green Metallization of Silver Nanoparticles on Cellulose Nanocrystals and Their Enhanced Catalytic Reduction of 4-Nitrophenol in the Presence of Ecyclodextrin. 2015 , 54, 3299-3308 | | 143 |
| 626 | Green Processes for Nanotechnology. 2015 , | | 18 |
| 625 | Reductant and sequence effects on the morphology and catalytic activity of peptide-capped Au nanoparticles. <i>ACS Applied Materials & amp; Interfaces</i> , 2015 , 7, 8843-51 | 9.5 | 39 |
| 624 | Facile preparation of reduced graphene oxide supported PtNi alloyed nanosnowflakes with high catalytic activity. 2015 , 5, 35551-35557 | | 19 |
| 623 | Magnetic alginateHe3O4 hydrogel fiber capable of ciprofloxacin hydrochloride adsorption/separation in aqueous solution. 2015 , 5, 81573-81582 | | 39 |
| 622 | IlickableIthiol-functionalized nanoporous polymers: from their synthesis to further adsorption of gold nanoparticles and subsequent use as efficient catalytic supports. 2015 , 6, 8105-8111 | | 20 |
| 621 | Fabrication of hierarchically organized nanocomposites of Ba/alginate/carboxymethylcellulose/graphene oxide/Au nanoparticles and their catalytic efficiency in o-nitroaniline reduction. <i>New Journal of Chemistry</i> , 2015 , 39, 9761-9771 | 3.6 | 20 |
| 620 | A new strategy to fabricate composite thin films with tunable micro- and nanostructures via self-assembly of block copolymers. 2015 , 51, 16687-90 | | 17 |
| 619 | Enhanced catalytic and antibacterial activities of silver nanoparticles immobilized on poly(N-vinyl pyrrolidone)-grafted graphene oxide. 2015 , 5, 81994-82004 | | 25 |
| 618 | A soft-template mediated approach for Au(0) formation on a heterosilica surface and synergism in the catalytic reduction of 4-nitrophenol. 2015 , 5, 78006-78016 | | 16 |
| 617 | Core-Corona Functionalization of Diblock Copolymer Micelles by Heterogeneous Metal Nanoparticles for Dual Modality in Chemical Reactions. <i>ACS Applied Materials & Discrete Sections</i> , 2015, 7, 18778-85 | 9.5 | 13 |
| 616 | Green synthesis of 2D CuO nanoleaves (NLs) and its application for the reduction of p-nitrophenol. 2015 , 161, 79-82 | | 37 |
| 615 | Green synthesis, characterization and antibacterial activity of gold nanoparticles using hydroxyethyl starch-g-poly (methylacrylate-co-sodium acrylate): A novel biodegradable graft copolymer. 2015 , 212, 259-265 | | 16 |
| 614 | Greenly Synthesized GoldAlginate Nanocomposites Catalyst for Reducing Decoloration of Azo-Dyes. 2015 , 10, 1550108 | | 24 |
| 613 | Highly active spherical amorphous MoS2: facile synthesis and application in photocatalytic degradation of rose bengal dye and hydrogenation of nitroarenes. 2015 , 5, 88848-88856 | | 33 |
| 612 | Highly stable ruthenium nanoparticles on 3D mesoporous carbon: an excellent opportunity for reduction reactions. 2015 , 3, 23448-23457 | | 34 |
| 611 | Self-assembly of cuprous oxide nanoparticles supported on reduced graphene oxide and their enhanced performance for catalytic reduction of nitrophenols. 2015 , 5, 71259-71267 | | 28 |

| 610 | Copper nanoparticles supported on permeable monolith with carboxylic acid surface functionality: Stability and catalytic properties under reductive conditions. <i>Materials Chemistry and Physics</i> , 2015 , 163, 446-452 | 4.4 | 20 |
|-----|---|-----|-----|
| 609 | Novel synthesis of silver/reduced graphene oxide nanocomposite and its high catalytic activity towards hydrogenation of 4-nitrophenol. 2015 , 5, 70968-70971 | | 38 |
| 608 | Reduced graphene oxide supported AgxNi100\(alloy nanoparticles: a highly active and reusable catalyst for the reduction of nitroarenes. 2015 , 3, 19563-19574 | | 43 |
| 607 | Cathodic Corrosion of Cu Substrates as a Route to Nanostructured Cu/M (M=Ag, Au, Pd) Surfaces. 2015 , 2, 106-111 | | 14 |
| 606 | Sunlight-assisted route to antimicrobial plasmonic aminoclay catalysts. 2015 , 7, 86-91 | | 21 |
| 605 | Interfacial nanodroplets guided construction of hierarchical Au, Au-Pt, and Au-Pd particles as excellent catalysts. 2014 , 4, 4849 | | 37 |
| 604 | In situ generation of silver nanoparticles within crosslinked 3D guar gum networks for catalytic reduction. 2015 , 73, 39-44 | | 23 |
| 603 | New type of organic/gold nanohybrid material: Preparation, properties and application in catalysis. <i>Applied Surface Science</i> , 2015 , 325, 73-78 | 6.7 | 7 |
| 602 | Branched Au nanostructures enriched with a uniform facet: facile synthesis and catalytic performances. 2014 , 4, 5259 | | 33 |
| 601 | Solar light-induced photocatalytic degradation of methyl red in an aqueous suspension of commercial ZnO: a green approach. 2015 , 53, 501-514 | | 17 |
| 600 | Biosynthesis of gold nanoparticles using plant extracts. 2015 , 38, 1-14 | | 142 |
| 599 | Morphology-controllable synthesis of CuO nanostructures and their catalytic activity for the reduction of 4-nitrophenol. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 77, 1-7 | 3.9 | 54 |
| 598 | Preparation of Cu nanoparticle loaded SBA-15 and their excellent catalytic activity in reduction of variety of dyes. 2015 , 269, 371-378 | | 186 |
| 597 | Silver particle monolayers (Formation, stability, applications. 2015 , 222, 530-63 | | 48 |
| 596 | Efficient visible-light-driven photocatalytic degradation of nitrophenol by using graphene-encapsulated TiOIhanowires. 2015 , 283, 400-9 | | 73 |
| 595 | Synergistic Action of Alginate Chemical Reduction and Laser Irradiation for the Formation of Au Nanoparticles with Controlled Dimensions. 2015 , 32, 389-397 | | 5 |
| 594 | Green synthesis, characterization and catalytic activity of palladium nanoparticles by xanthan gum. 2015 , 5, 315-320 | | 57 |
| 593 | Aminopolycarboxylic acids and alginate composite-mediated green synthesis of Au and Ag nanoparticles. 2015 , 5, 1-6 | | 13 |

(2016-2015)

| 592 | Silver nanoparticles loaded on Cu-doped TiO2 for the effective reduction of nitro-aromatic contaminants. 2015 , 261, 53-59 | | 48 |
|------------|---|------------|-----|
| 591 | Gnidia glauca Leaf and Stem Extract Mediated Synthesis of Gold Nanocatalysts with Free Radical Scavenging Potential. 2016 , 07, | | 28 |
| 590 | AuCu@Pt Nanoalloys for Catalytic Application in Reduction of 4-Nitrophenol. 2016, 2016, 1-8 | | 12 |
| 589 | Synthesis of Chitosan-Mediated Silver Coated Fe2O3(AgFe2O3@Cs) Superparamagnetic Binary Nanohybrids for Multifunctional Applications. 2016 , 120, 17627-17644 | | 28 |
| 588 | Influence of Surfactant Bilayers on the Refractive Index Sensitivity and Catalytic Properties of Anisotropic Gold Nanoparticles. 2016 , 12, 330-42 | | 59 |
| 587 | Hydrazine assisted catalytic hydrogenation of PNP to PAP by NixPd100⊠ nanocatalyst. 2016 , 6, 64364-6 | 54373 | 5 |
| 586 | Natural polymers supported copper nanoparticles for pollutants degradation. <i>Applied Surface Science</i> , 2016 , 387, 1154-1161 | 6.7 | 94 |
| 585 | Catalytic Reduction of 4-Nitrophenol Using Silver Nanoparticles with Adjustable Activity. <i>Langmuir</i> , 2016 , 32, 7383-91 | 4 | 181 |
| 584 | A Green Route for Substrate-Independent Oil-Repellent Coatings. 2016 , 6, 38016 | | 6 |
| 583 | Synthesis of gold nanostructures using fruit extract of Garcinia Indica. 2016, | | 0 |
| 582 | Confined synthesis of three-dimensionally ordered arrays of multilamellar silica nanoparticles as a gold catalyst support. 2016 , 6, 102258-102263 | | 2 |
| 581 | Gum acaciatuNpBilica hybrid: an effective, stable and recyclable catalyst for reduction of nitroarenes. 2016 , 6, 31074-31082 | | 9 |
| 580 | Highly active Ag clusters stabilized on TiO2 nanocrystals for catalytic reduction of p-nitrophenol. <i>Applied Surface Science</i> , 2016 , 385, 445-452 | 6.7 | 44 |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | |
| 579 | Hierarchical synthesis of silver monoliths and their efficient catalytic activity for the reduction of 4-nitrophenol to 4-aminophenol. <i>New Journal of Chemistry</i> , 2016 , 40, 6787-6795 | 3.6 | 44 |
| 579 578 | Hierarchical synthesis of silver monoliths and their efficient catalytic activity for the reduction of | 3.6 3.6 | 16 |
| | Hierarchical synthesis of silver monoliths and their efficient catalytic activity for the reduction of 4-nitrophenol to 4-aminophenol. <i>New Journal of Chemistry</i> , 2016 , 40, 6787-6795 Preparation of supported AuPd nanoalloys mediated by ionic liquid-like functionalized SBA-15: | | |
| 578 | Hierarchical synthesis of silver monoliths and their efficient catalytic activity for the reduction of 4-nitrophenol to 4-aminophenol. <i>New Journal of Chemistry</i> , 2016 , 40, 6787-6795 Preparation of supported AuPd nanoalloys mediated by ionic liquid-like functionalized SBA-15: structural correlations concerning its catalytic activity. <i>New Journal of Chemistry</i> , 2016 , 40, 6636-6642 Enhanced photocatalytic and electrocatalytic applications of green synthesized silver | | 16 |

| 574 | Size dependence of silver nanoparticles in carboxylic acid functionalized mesoporous silica SBA-15 for catalytic reduction of 4-nitrophenol. 2016 , 6, 35167-35176 | 28 |
|-----|--|----|
| 573 | Functionalization of silica through thiol-yne radical chemistry: a catalytic system based on gold nanoparticles supported on amino-sulfide-branched silica. 2016 , 6, 25780-25788 | 8 |
| 572 | Nitroarene Reduction by a Virus Protein Cage Based Nanoreactor. 2016 , 6, 3084-3091 | 48 |
| 571 | A 1-D coordination polymer route to catalytically active Co@C nanoparticles. 2016 , 6, 38533-38540 | 7 |
| 57° | In situ pore-forming alginate hydrogel beads loaded with in situ formed nano-silver and their catalytic activity. 2016 , 18, 12610-5 | 20 |
| 569 | In situ generated nickel on cerium oxide nanoparticle for efficient catalytic reduction of 4-nitrophenol. 2016 , 6, 45947-45956 | 36 |
| 568 | Shape-selective synthesis of Sn(MoO4)2 nanomaterials for catalysis and supercapacitor applications. 2016 , 45, 8897-915 | 19 |
| 567 | From spent dye-loaded palygorskite to a multifunctional palygorskite/carbon/Ag nanocomposite. 2016 , 6, 41696-41706 | 10 |
| 566 | A green chemistry approach for synthesizing thermostable antimicrobial peptide-coated gold nanoparticles immobilized in an alginate biohydrogel. 2016 , 6, 86808-86816 | 28 |
| 565 | Heteroflanostructured Ni/HMn2O3 as Highly Active Catalyst for Aqueous Phase Reduction Reactions. <i>ChemistrySelect</i> , 2016 , 1, 4726-4735 | 7 |
| 564 | Breathing catalyst-supports: CO2 adjustable and magnetic recyclable smartshybrid nanoparticles. 2016 , 6, 97030-97035 | 7 |
| 563 | Modulating the Catalytic Activity of Gold Nanoparticles through Surface Tailoring. <i>ChemistrySelect</i> , 2016 , 1, 4940-4948 | 17 |
| 562 | PtNi nanoparticles embedded in porous silica microspheres as highly active catalysts for p-nitrophenol hydrogenation to p-aminophenol. 2016 , 128, 1355-1365 | 20 |
| 561 | Physical chemistry of catalytic reduction of nitroarenes using various nanocatalytic systems: past, present, and future. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1 | 67 |
| 560 | Tuning the performance of PtNi alloy/reduced graphene oxide catalysts for 4-nitrophenol reduction. 2016 , 6, 79028-79036 | 17 |
| 559 | Green-assisted tool for nanogold synthesis based on alginate as a biological macromolecule. 2016 , 6, 73974-73985 | 42 |
| 558 | AgEe2O3nanocomposites with enhanced catalytic activity for reduction of 4-nitrophenol. 2016 , 3, 075024 | 2 |
| 557 | Silver nanoparticle-embedded RGO-nanosponge for superior catalytic activity towards 4-nitrophenol reduction. 2016 , 6, 88837-88845 | 39 |

(2016-2016)

| 556 | Laser-based in situ embedding of metal nanoparticles into bioextruded alginate hydrogel tubes enhances human endothelial cell adhesion. 2016 , 9, 3407-3427 | 34 |
|-----------------|--|-----|
| 555 | Co9S8 nanotubes: facile synthesis and application in the catalytic reduction of 4-nitrophenol. 2016 , 39, 1501-1505 | 2 |
| 554 | Spontaneous hydrolysis of borohydride required before its catalytic activation by metal nanoparticles. 2016 , 84, 80-84 | 28 |
| 553 | Green preparation of Au nanoparticles for electrochemical detection of H2O2. 2016 , 37, 013003 | 3 |
| 552 | Immobilization of Metal-Organic Framework Nanocrystals for Advanced Design of Supported Nanocatalysts. <i>ACS Applied Materials & amp; Interfaces</i> , 2016 , 8, 29551-29564 9.5 | 45 |
| 551 | Synthesis of Gold Nanoparticles Using Garcinia Indica Fruit Rind Extract. 2016 , 15, 1660015 | 6 |
| 550 | One-pot microwave-assisted in situ reduction of Ag+ and Au3+ ions by Citrus limon extract and their carbon-dots based nanohybrids: a potential nano-bioprobe for cancer cellular imaging. 2016 , 6, 103482-103490 | 23 |
| 549 | Green synthesis and catalytic application of curcumin stabilized silver nanoparticles. 2016, 128, 1871-1878 | 25 |
| 548 | Facile assembly of nanosheet array-like CuMgAl-layered double hydroxide/rGO nanohybrids for highly efficient reduction of 4-nitrophenol. 2016 , 4, 18990-19002 | 69 |
| 547 | Enhanced catalytic performance of magnetic Fe3O4MnO2 nanocomposites for the decolorization of rhodamine B, reduction of 4-nitroaniline, and sp3 CH functionalization of 2-methylpyridines to isatins. 2016 , 344, 273-285 | 38 |
| 546 | Highly efficient and simultaneous catalytic reduction of multiple dyes using recyclable RGO/Co dendritic nanocomposites as catalyst for wastewater treatment. 2016 , 6, 106723-106731 | 28 |
| 545 | Amyloid Templated Gold Aerogels. 2016 , 28, 472-8 | 124 |
| 544 | Development of Porous Alginate Microbeads Containing Silver Nanoparticles and Their Antibacterial Efficacy. 2016 , 35, 298-306 | 4 |
| 543 | Porous Silica-Coated Gold Nanorods: A Highly Active Catalyst for the Reduction of 4-Nitrophenol. 2016 , 17, 364-8 | 33 |
| 542 | In-situ reduction of monodisperse nanosilver on hierarchical wrinkled mesoporous silica with radial pore channels and its antibacterial performance. 2016 , 65, 323-30 | 32 |
| 54 ¹ | Synthesis of TiOEloaded Co0.85Se thin films with heterostructure and their enhanced catalytic activity for p-nitrophenol reduction and hydrazine hydrate decomposition. 2016 , 27, 145701 | 13 |
| 540 | Solvothermal synthesis of CuOMgO nanocomposite particles and their catalytic applications. 2016 , 6, 61927-61933 | 53 |
| 539 | From Mono to Tris-1,2,3-triazole-Stabilized Gold Nanoparticles and Their Compared Catalytic Efficiency in 4-Nitrophenol Reduction. 2016 , 55, 6776-80 | 27 |

| 538 | Reduced graphene oxide/gold nanoparticle aerogel for catalytic reduction of 4-nitrophenol. 2016 , 6, 64028-64038 | | 18 |
|-----|---|-----|-----|
| 537 | Shape-dependent catalytic activity of CuO nanostructures. 2016 , 336, 11-22 | | 64 |
| 536 | Synthesis of a Ni0.8Zn0.2Fe2O4RGO nanocomposite: an excellent magnetically separable catalyst for dye degradation and microwave absorber. 2016 , 6, 14090-14096 | | 32 |
| 535 | Kinetics and mechanism of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacryl amide-co-allylacetic acid) hybrid microgels. <i>Materials Chemistry and Physics</i> , 2016 , 171, 318-327 | 4 | 48 |
| 534 | Facile approach to synthesize uniform Au@mesoporous SnO2 yolkEhell nanoparticles and their excellent catalytic activity in 4-nitrophenol reduction. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1 | .3 | 9 |
| 533 | One-step solgel synthesis of hierarchically porous, flow-through carbon/silica monoliths. 2016 , 6, 12298-1 | 231 | 016 |
| 532 | A new facile strategy for the synthesis of 1-dimensional CuO nanostructures and their reduction performance. 2016 , 166, 171-174 | | 7 |
| 531 | A facile and green strategy for the synthesis of 1-dimensional luminescent ZnO nanorods and their reduction behavior for aromatic nitro-compounds. 2016 , 6, 527-533 | | 6 |
| 530 | In situ synthesized AuAg nanocages on graphene oxide nanosheets: a highly active and recyclable catalyst for the reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2016 , 40, 1685-1692 | .6 | 31 |
| 529 | Facile synthesis of cubical Co3O4 supported Au nanocomposites with high activity for the reduction of 4-nitrophenol to 4-aminophenol. 2016 , 6, 32430-32433 | | 28 |
| 528 | In situ reduction of well-dispersed nickel nanoparticles on hierarchical nickel silicate hollow nanofibers as a highly efficient transition metal catalyst. 2016 , 6, 32580-32585 | | 10 |
| 527 | Direct evidence of plasmonic enhancement on catalytic reduction of 4-nitrophenol over silver nanoparticles supported on flexible fibrous networks. 2016 , 188, 245-252 | | 129 |
| 526 | Photocatalytic, antimicrobial activities of biogenic silver nanoparticles and electrochemical degradation of water soluble dyes at glassy carbon/silver modified past electrode using buffer solution. 2016 , 156, 100-7 | | 31 |
| 525 | Multiple approaches to control and assess the size of Pd nanoparticles synthesized via water-in-oil microemulsion. 2016 , 497, 28-34 | | 15 |
| 524 | Green Synthesis of Silver Nanoparticles with Exceptional Colloidal Stability and its Catalytic Activity Toward Nitrophenol Reduction. 2016 , 11, 1650046 | | 9 |
| 523 | Facile and green synthesis of cellulose nanocrystal-supported gold nanoparticles with superior catalytic activity. 2016 , 140, 66-73 | | 49 |
| 522 | Fabrication of thermosensitive hydrogel-supported Ni nanoparticles with tunable catalytic activity for 4-nitrophenol. 2016 , 51, 3200-3210 | | 9 |
| 521 | Copper nanoparticle@graphene composite arrays and their enhanced catalytic performance. 2016 , 105, 59-67 | | 53 |

| 520 | Green and simple synthesis of Ag nanoparticles loaded onto cellulosic fiber as efficient and low-cost catalyst for reduction of 4-nitrophenol. 2016 , 214, 270-275 | 37 |
|-----|--|----|
| 519 | Multifunctional dendritic mesoporous silica nanospheres loaded with silver nanoparticles as a highly active and recyclable heterogeneous catalyst. 2016 , 489, 142-153 | 24 |
| 518 | Nitrogen-assisted electroless assembling of 3D nanodendrites consisting of Pd and N-doped carbon nanoparticles as bifunctional catalysts. 2016 , 18, 2115-2121 | 28 |
| 517 | In-Situ Remediation Approaches for the Management of Contaminated Sites: A Comprehensive Overview. 2016 , 236, 1-115 | 44 |
| 516 | Improving gold catalysis of nitroarene reduction with surface Pd. 2016 , 264, 31-36 | 16 |
| 515 | Multifunctional magnetic coreBhell dendritic mesoporous silica nanospheres decorated with tiny Ag nanoparticles as a highly active heterogeneous catalyst. <i>Applied Surface Science</i> , 2016 , 360, 252-262 6.7 | 45 |
| 514 | Silver nanoparticles coated with natural polysaccharides as models to study AgNP aggregation kinetics using UV-Visible spectrophotometry upon discharge in complex environments. 2016 , 539, 7-16 | 33 |
| 513 | Pd-based nanoflowers catalysts: controlling size, composition, and structures for the 4-nitrophenol reduction and BTX oxidation reactions. 2016 , 51, 603-614 | 23 |
| 512 | Polysaccharides templates for assembly of nanosilver. 2016 , 135, 300-7 | 92 |
| 511 | Yolk/Shell AuNPs@Polyethyleneimine-Derived Carbon Nanoparticles as Nanoreactor for Catalytic Nitroarenes Reduction. 2016 , 146, 229-237 | 5 |
| 510 | Starch-supported gold nanoparticles and their use in 4-nitrophenol reduction. 2017 , 21, 656-663 | 66 |
| 509 | Synthesis of a hierarchical structured NiO/NiS composite catalyst for reduction of 4-nitrophenol and organic dyes. 2017 , 7, 4353-4362 | 34 |
| 508 | Kinetic Analysis of the Reduction of 4-Nitrophenol Catalyzed by CeO2 Nanorods-Supported CuNi Nanoparticles. 2017 , 56, 1159-1167 | 76 |
| 507 | Facile photochemical synthesis of ZnWO 4 /Ag yolk-shell microspheres with enhanced visible-light photocatalytic activity. 2017 , 190, 60-63 | 6 |
| 506 | NiFe nanoalloys in-situ immobilized on coal based activated carbons through one-step pyrolysis as magnetically recoverable catalysts for reduction of 4-nitrophenol. <i>Journal of Alloys and Compounds</i> , 5.7 2017 , 702, 531-537 | 11 |
| 505 | Hydrogenation of 4-nitrophenol to 4-aminophenol at room temperature: Boosting palladium nanocrystals efficiency by coupling with copper via liquid phase pulsed laser ablation. <i>Applied</i> 6.7 <i>Surface Science</i> , 2017 , 401, 314-322 | 47 |
| 504 | In situ redox deposition of palladium nanoparticles on oxygen-deficient tungsten oxide as efficient hydrogenation catalysts. 2017 , 7, 2351-2357 | 21 |
| 503 | The role of OH in the formation of highly selective gold nanowires at extreme pH: multi-fold enhancement in the rate of the catalytic reduction reaction by gold nanowires. 2017 , 19, 5077-5090 | 25 |

| 502 | A facile synthesis of Cu N i bimetallic nanoparticle supported organo functionalized graphene oxide as a catalyst for selective hydrogenation of p-nitrophenol and cinnamaldehyde. 2017 , 7, 2869-2879 | | 45 |
|-----|--|-----|-----|
| 501 | Silver/graphene nanocomposites as catalysts for the reduction of p-nitrophenol to p-aminophenol: Materials preparation and reaction kinetics studies. 2017 , 95, 1297-1304 | | 15 |
| 500 | Trimetallic FeAgPt alloy as a nanocatalyst for the reduction of 4-nitroaniline and decolorization of rhodamine B: A comparative study. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 456-464 | .7 | 43 |
| 499 | Multiple functionalities of Ni nanoparticles embedded in carboxymethyl guar gum polymer: catalytic activity and superparamagnetism. <i>Applied Surface Science</i> , 2017 , 405, 231-239 | 7 | 19 |
| 498 | Phosphorus role on the enhancement in catalytic activity of magnetic Ni-P alloy. 2017 , 7, 58-68 | | 6 |
| 497 | Facile synthesis silver nanoparticles on different xerogel supports as highly efficient catalysts for the reduction of p-nitrophenol. 2017 , 520, 743-756 | | 43 |
| 496 | In situ preparation of magnetic Ni-Au/graphene nanocomposites with electron-enhanced catalytic performance. <i>Journal of Alloys and Compounds</i> , 2017 , 706, 377-386 | .7 | 20 |
| 495 | Biosynthesis of Ag/reduced graphene oxide/Fe(3)O(4) using Lotus garcinii leaf extract and its application as a recyclable nanocatalyst for the reduction of 4-nitrophenol and organic dyes. 2017 , 497, 33-42 | | 102 |
| 494 | Au nanoparticles embedded on urchin-like TiO 2 nanosphere: An efficient catalyst for dyes degradation and 4-nitrophenol reduction. 2017 , 121, 167-175 | | 49 |
| 493 | Three-dimensional nitrogen-doped graphene foam as metal-free catalyst for the hydrogenation reduction of p-nitrophenol. 2017 , 497, 102-107 | | 57 |
| 492 | Surfactant modification of chitosan hydrogel beads for Ni@NiO core-shell nanoparticles formation and its catalysis to 4-nitrophenol reduction. 2017 , 5, 1321-1329 | | 21 |
| 491 | Strategic Green Synthesis, Characterization and Catalytic Application to 4-Nitrophenol Reduction of Palladium Nanoparticles. 2017 , 28, 2123-2131 | | 18 |
| 490 | Time, pH, and size dependency of silver nanoparticle dissolution: the road to equilibrium. 2017 , 4, 1314-13 | 327 | 72 |
| 489 | Instant green synthesis of silver-based herbo-metallic colloidal nanosuspension in Terminalia bellirica fruit aqueous extract for catalytic and antibacterial applications. 2017 , 7, 36 | | 20 |
| 488 | Protein-directed gold nanoparticles with excellent catalytic activity for 4-nitrophenol reduction. 2017 , 78, 429-434 | | 23 |
| 487 | Retracted Article: Recent advances of metalthetal oxide nanocomposites and their tailored nanostructures in numerous catalytic applications. 2017 , 5, 9465-9487 | | 233 |
| 486 | Fabrication of Highly Stable Metal Oxide Hollow Nanospheres and Their Catalytic Activity toward 4-Nitrophenol Reduction. <i>ACS Applied Materials & District Materials & Materials & District Materials </i> | .5 | 68 |
| 485 | Confining Functional Nanoparticles into Colloidal Imine-Based COF Spheres by a Sequential Encapsulation-Crystallization Method. 2017 , 23, 8623-8627 | | 42 |

(2017-2017)

| 484 | Sonochemical green reduction to prepare Ag nanoparticles decorated graphene sheets for catalytic performance and antibacterial application. 2017 , 39, 577-588 | 101 |
|-----------------|--|-----|
| 483 | RhAg/rGO nanocatalyst: ligand-controlled synthesis and superior catalytic performances for the reduction of 4-nitrophenol. 2017 , 52, 9465-9476 | 13 |
| 482 | AgPt nanoparticles supported on magnetic graphene oxide nanosheets for catalytic reduction of 4-nitrophenol: Studies of kinetics and mechanism. 2017 , 31, e3806 | 29 |
| 481 | Ternary Fe3O4@PANI@Au nanocomposites as a magnetic catalyst for degradation of organic dyes. 2017 , 60, 749-757 | 11 |
| 480 | Microbial exopolysaccharide-mediated synthesis and stabilization of metal nanoparticles. 2017 , 43, 731-752 | 63 |
| 479 | Constructing magnetic Si ll e hybrid microspheres for room temperature nitroarenes reduction. 2017 , 5, 10986-10997 | 30 |
| 478 | Colorimetric detection of manganese(II) ions using alginate-stabilized silver nanoparticles. 2017 , 43, 5665-5674 | 16 |
| 477 | Promotion effects of alkali- and alkaline earth metals on catalytic activity of mesoporous Co3O4 for 4-nitrophenol reduction. 2017 , 218, 240-248 | 53 |
| 476 | Facilely self-reduced generation of Ag nanowires in the confined reductive siliceous nanopores and its catalytic reduction property. <i>Journal of Alloys and Compounds</i> , 2017 , 719, 30-41 | 11 |
| 475 | 3,5-Diamino-1,2,4-triazole@electrochemically reduced graphene oxide film modified electrode for the electrochemical determination of 4-nitrophenol. 2017 , 246, 1131-1140 | 35 |
| 474 | Bioinspired catecholic activation of marine chitin for immobilization of Ag nanoparticles as recyclable pollutant nanocatalysts. 2017 , 505, 220-229 | 11 |
| 473 | Magnetic porous PtNi/SiO2 nanofibers for catalytic hydrogenation of p-nitrophenol. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1 | 18 |
| 472 | Ice-templating synthesis of macroporous noble metal/3D-graphene nanocomposites: their fluorescence lifetimes and catalytic study. <i>New Journal of Chemistry</i> , 2017 , 41, 7861-7869 | 18 |
| 47 ¹ | In situ synthesis of PEDOT:PSS@AgNPs nanocomposites. 2017 , 230, 1-6 | 5 |
| 470 | Investigation on the catalytic activity of aminosilane stabilized gold nanocatalysts towards the reduction of nitroaromatics. 2017 , 528, 48-56 | 13 |
| 469 | Synergistic effect of gold supported on redox active cerium oxide nanoparticles for the catalytic hydrogenation of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2017 , 41, 6720-6729 | 18 |
| 468 | One-step synthesis of a magnetoactive compound. 2017 , 27, 186-187 | 1 |
| 467 | Synthesis of silver-anchored polyanilineIhitosan magnetic nanocomposite: a smart system for catalysis. 2017 , 7, 18553-18560 | 34 |

| 466 | Size Dependent Catalytic Activity of Actinodaphne madraspatana Bedd Leaves Mediated Silver Nanoparticles. 2017 , 28, 1837-1856 | | 5 |
|-----|--|-----|----|
| 465 | Reactivity enhancement of iron sulfide nanoparticles stabilized by sodium alginate: Taking Cr (VI) removal as an example. 2017 , 333, 275-284 | | 87 |
| 464 | Bimetallic Au-Cu alloy nanoparticles on reduced graphene oxide support: Synthesis, catalytic activity and investigation of synergistic effect by DFT analysis. 2017 , 538, 107-122 | | 65 |
| 463 | Regulating the Catalytic Function of Reduced Graphene Oxides Using Capping Agents for Metal-Free Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1692-1701 | 9.5 | 20 |
| 462 | Biogenic silver nanoparticles from Trachyspermum ammi (Ajwain) seeds extract for catalytic reduction of p-nitrophenol to p-aminophenol in excess of NaBH4. 2017 , 230, 74-84 | | 47 |
| 461 | Investigation of structural, optical, catalytic, fluorescence studies of eco-friendly synthesized Bi2S3 nanostructures. 2017 , 102, 103-118 | | 16 |
| 460 | Natural cellulose fiber derived hollow-tubular-oriented polydopamine: In-situ formation of Ag nanoparticles for reduction of 4-nitrophenol. 2017 , 158, 44-50 | | 48 |
| 459 | An efficient parts-per-million FeO nanocluster/graphene oxide catalyst for Suzuki-Miyaura coupling reactions and 4-nitrophenol reduction in aqueous solution. 2017 , 53, 644-646 | | 38 |
| 458 | Biosynthesis of the CuO nanoparticles using Euphorbia Chamaesyce leaf extract and investigation of their catalytic activity for the reduction of 4-nitrophenol. 2017 , 11, 766-772 | | 14 |
| 457 | Composites of Graphene Quantum Dots and Reduced Graphene Oxide as Catalysts for Nitroarene Reduction. <i>ACS Omega</i> , 2017 , 2, 7293-7298 | 3.9 | 17 |
| 456 | Au/Cu Bimetallic Nanoparticles via Double-Target Sputtering onto a Liquid Polymer. <i>Langmuir</i> , 2017 , 33, 12389-12397 | 4 | 26 |
| 455 | Highly recyclable Ag NPs/alginate composite beads prepared via one-pot encapsulation method for efficient continuous reduction of p-nitrophenol. <i>New Journal of Chemistry</i> , 2017 , 41, 13327-13335 | 3.6 | 22 |
| 454 | Cubic Gold Nanorattles with a Solid Octahedral Core and Porous Shell as Efficient Catalyst: Immobilization and Kinetic Analysis. 2017 , 121, 22914-22925 | | 21 |
| 453 | An antibacterial composite system based on multi-responsive microgels hosting monodisperse gold nanoparticles. 2017 , 24, 1 | | 7 |
| 452 | Para-nitrophenol reduction on solvothermally prepared cobalt@silica coreBhell catalysts. 2017 , 122, 1145-1158 | | 7 |
| 451 | Low-cost CuNi-CeO2/rGO as an efficient catalyst for hydrolysis of ammonia borane and tandem reduction of 4-nitrophenol. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 902-909 | 5.7 | 22 |
| 450 | Synthesis of heterogeneous Ag-Cu bimetallic monolith with different mass ratios and their performances for catalysis and antibacterial activity. 2017 , 28, 3085-3094 | | 16 |
| 449 | Monolithic Cu/C hybrid beads with well-developed porosity for the reduction of 4-nitrophenol to 4-aminophenol. <i>New Journal of Chemistry</i> , 2017 , 41, 13230-13234 | 3.6 | 17 |

| 448 | Antiproliferation and antibacterial effect of biosynthesized AgNps from leaves extract of Guiera senegalensis and its catalytic reduction on some persistent organic pollutants. 2017 , 175, 99-108 | 36 |
|-----|--|--------------------|
| 447 | High strength and catalytic activity of polyacrylamide/graphene oxide porous metal alginates aerogels for phenol hydroxylation with H2O2. 2017 , 101, 116-119 | 3 |
| 446 | Polymer Encapsulated Self-Assemblies of Ultrasmall Rhenium Nanoparticles: Catalysis and SERS Applications. 2017 , 5, 10186-10198 | 13 |
| 445 | Synthesis of a NiP/NiP bi-phase nanocomposite for the efficient catalytic reduction of 4-nitrophenol based on the unique n-n heterojunction effects. 2017 , 46, 14107-14113 | 27 |
| 444 | Morphology Adjustable Silica Nanosheets for Immobilization of Gold Nanoparticles. ChemistrySelect, 2017 , 2, 5793-5799 | 8 8 |
| 443 | Well-dispersed rhenium nanoparticles on three-dimensional carbon nanostructures: Efficient catalysts for the reduction of aromatic nitro compounds. 2017 , 506, 271-282 | 36 |
| 442 | One-step synthesis of magnetically recyclable Co@BN coreBhell nanocatalysts for catalytic reduction of nitroarenes. 2017 , 7, 35451-35459 | 18 |
| 441 | Effect of a roughness factor on electrochemical reduction of 4-nitrophenol using porous gold. 2017 , 34, 2498-2501 | 4 |
| 440 | Role of Water in the Dynamic Crystallization of CuTCNQ for Enhanced Redox Catalysis (TCNQ = Tetracyanoquinodimethane). 2017 , 4, 1700097 | 8 |
| 439 | Optically active microspheres from helical substituted polyacetylene with pendent ferrocenyl amino-acid derivative. Preparation and recycling use for direct asymmetric aldol reaction in water. 2017 , 125, 200-207 | 11 |
| 438 | Hierarchical porous N-doped carbon supported palladium (Pd/NHPC) as a sustainable catalyst for the reduction of 4-nitrophenol with good activity and lifetime. <i>New Journal of Chemistry</i> , 2017 , 41, 10248-7 | 10256 ⁷ |
| 437 | Fungal Nanotechnology and Biomedicine. 2017 , 207-233 | 1 |
| 436 | Highly Efficient Regeneration of Deactivated Au/C Catalyst for 4-Nitrophenol Reduction. 2017, 121, 25882 | -258 87 |
| 435 | Sheetlike gold nanostructures/graphene oxide composites via a one-pot green fabrication protocol and their interesting two-stage catalytic behaviors. 2017 , 7, 51838-51846 | 20 |
| 434 | ZnO Nanoparticle Fortified Highly Permeable Carbon/Silica Monoliths as a Flow-Through Media. <i>Langmuir</i> , 2017 , 33, 7692-7700 | 5 |
| 433 | The Langmuir-Hinshelwood approach for kinetic evaluation of cucurbit[7]uril-capped gold nanoparticles in the reduction of the antimicrobial nitrofurantoin. 2017 , 19, 18913-18923 | 11 |
| 432 | Bioreductive deposition of highly dispersed Ag nanoparticles on carbon nanotubes with enhanced catalytic degradation for 4-nitrophenol assisted by Shewanella oneidensis MR-1. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3038-3044 | 1 9 |
| 431 | One-Pot Green Synthesis of Ag-Decorated SnO Microsphere: an Efficient and Reusable Catalyst for Reduction of 4-Nitrophenol. 2017 , 12, 435 | 20 |

| 430 | Microwave-irradiated green synthesis of gold nanoparticles for catalytic and anti-bacterial activity. 2017 , 8, | 18 |
|------------------|---|-----|
| 429 | Solid ion transition route to 3D SN-codoped hollow carbon nanosphere/graphene aerogel as a metal-free handheld nanocatalyst for organic reactions. 2017 , 10, 3486-3495 | 9 |
| 428 | Controllable fabrication of a novel porous Ni-alginate hybrid material for hydrogenation. 2017 , 218, 721-730 | 22 |
| 427 | Metallic cobalt nanoparticles imbedded into ordered mesoporous carbon: A non-precious metal catalyst with excellent hydrogenation performance. 2017 , 505, 789-795 | 42 |
| 426 | One-Pot Synthesis of Cobalt-Doped PtAu Alloy Nanoparticles Supported on Ultrathin £Co(OH)2 Nanosheets and Their Enhanced Performance in the Reduction of p-Nitrophenol. 2017 , 2017, 146-152 | 5 |
| 425 | A review on green synthesis of silver nanoparticles and their applications. 2017 , 45, 1272-1291 | 326 |
| 424 | A novel Au-loaded Na2Ta2O6 multifunctional catalyst: Thermocatalytic and photocatalytic elimination of the poisonous nitrobenzene derivatives from wastewater under natural condition. Journal of Alloys and Compounds, 2017, 695, 60-69 | 12 |
| 423 | Novel Ag 2 S nanoparticles on reduced graphene oxide sheets as a super-efficient catalyst for the reduction of 4-nitrophenol. 2017 , 28, 417-421 | 15 |
| 422 | Trends in Asian Water Environmental Science and Technology. 2017, | 1 |
| 421 | Catalytic Reduction of Water Contaminant A-Nitrophenol Dever Manganese Oxide Supported Ni Nanoparticles. 2017 , 35-48 | 5 |
| 420 | Metallogel templated synthesis and stabilization of silver-particles and its application in catalytic reduction of nitro-arene. 2017 , 490, 529-541 | 15 |
| 419 | Enhanced catalytic and antibacterial activity of nanocasted mesoporous silver monoliths: kinetic and thermodynamic studies. 2017 , 81, 704-710 | 8 |
| 418 | Dendrimer encapsulated Silver nanoparticles as novel catalysts for reduction of aromatic nitro compounds. 2017 , 263, 022010 | 4 |
| 417 | Chitosan coated cotton cloth supported zero-valent nanoparticles: Simple but economically viable, efficient and easily retrievable catalysts. 2017 , 7, 16957 | 80 |
| 416 | Fungal Nanotechnology. 2017, | 17 |
| 4 ¹ 5 | Facile Synthesis of Gold Nanoparticles with Alginate and Its Catalytic Activity for Reduction of 4-Nitrophenol and HDIDetection. 2017 , 10, | 20 |
| 414 | Exploiting Microbial Polysaccharides for Biosorption of Trace Elements in Aqueous Environments-Scope for Expansion via Nanomaterial Intervention. <i>Polymers</i> , 2017 , 9, | 24 |
| 413 | The Top Citation Classics in Alginates for Biomedicine. 2017 , 223-249 | 3 |

| 412 | Sugar-based micro/mesoporous hypercross-linked polymers with in situ embedded silver nanoparticles for catalytic reduction. 2017 , 13, 1212-1221 | | 5 |
|-----|--|-----|----|
| 411 | Recent Advances in the Reduction of Nitro Compounds by Heterogenous Catalysts. 2017 , 21, 794-820 | | 56 |
| 410 | Construction of size-controllable gold nanoparticles immobilized on polysaccharide nanotubes by in situ one-pot synthesis. 2018 , 113, 240-247 | | 11 |
| 409 | Morphological control of gold nanoparticles on exfoliated layers of layered double hydroxide: A reusable hybrid catalyst for the reduction of p -nitrophenol. <i>Applied Clay Science</i> , 2018 , 156, 187-194 | 5.2 | 15 |
| 408 | Catalytic behavior of magnetic Ni🛭 n alloy. 2018 , 44, 4149-4161 | | 2 |
| 407 | Highly Efficient Au Nanocatalysts for Heterogeneous Continuous-Flow Reactions Using Hollow CeO2 Microspheres as a Functional Skeleton. 2018 , 57, 3575-3582 | | 4 |
| 406 | Platinized spherical supramolecular nanoassemblies of a porphyrin: facile synthesis and excellent catalytic recyclability. 2018 , 20, 8488-8497 | | 9 |
| 405 | A compact study on impact of multiplicative Streblus asper inspired biogenic silver nanoparticles as effective photocatalyst, good antibacterial agent and interplay upon interaction with human serum albumin. 2018 , 259, 18-29 | | 27 |
| 404 | Room temperature preparation of lignocellulosic biomass supported heterostructure (Cu+Co@OPF) as highly efficient multifunctional nanocatalyst using wetness co-impregnation. 2018 , 549, 184-195 | | 22 |
| 403 | Magnetic N-doped Co-carbon composites derived from metal organic frameworks as highly efficient catalysts for p-nitrophenol reduction reaction. 2018 , 47, 3321-3328 | | 26 |
| 402 | N,P-dual-doped multilayer graphene as an efficient carbocatalyst for nitroarene reduction: A mechanistic study of metal-free catalysis. 2018 , 359, 233-241 | | 62 |
| 401 | Development of SiO2@TiO2 core-shell nanospheres for catalytic applications. <i>Applied Surface Science</i> , 2018 , 441, 223-231 | 6.7 | 34 |
| 400 | Performance of Preformed Au/Cu Nanoclusters Deposited on MgO Powders in the Catalytic Reduction of 4-Nitrophenol in Solution. 2018 , 14, e1703734 | | 54 |
| 399 | Surfactant-Induced Preparation of Highly Dispersed Ni-Nanoparticles Supported on Nanocrystalline ZrO2 for Chemoselective Reduction of Nitroarenes. <i>ChemistrySelect</i> , 2018 , 3, 1129-1141 | 1.8 | 12 |
| 398 | Facile synthesis of dispersed Ag nanoparticles on chitosan-TiO composites as recyclable nanocatalysts for 4-nitrophenol reduction. 2018 , 29, 155601 | | 36 |
| 397 | Sono-synthesis approach in uniform loading of ultrafine Ag nanoparticles on reduced graphene oxide nanosheets: An efficient catalyst for the reduction of 4-Nitrophenol. 2018 , 44, 1-13 | | 32 |
| 396 | Green synthesis of silver nanoparticles using sun dried tulsi leaves and its catalytic application for 4-Nitrophenol reduction. 2018 , 6, 1468-1474 | | 70 |
| 395 | Engineering of responsive polymer based nano-reactors for facile mass transport and enhanced catalytic degradation of 4-nitrophenol. 2018 , 72, 43-52 | | 30 |

| 394 | Synergistic eminently active catalytic and recyclable Ag, Cu and Ag-Cu alloy nanoparticles supported on TiO2 for sustainable and cleaner environmental applications: A phytogenic mediated synthesis. 2018 , 177, 134-143 | 33 |
|-----|--|-----|
| 393 | Electrochemical Characterization and Electrocatalytic Application of Gold Nanoparticles Synthesized with Different Stabilizing Agents. 2018 , 30, 386-396 | 10 |
| 392 | Decolorization of textile dyes by combination of gold nanocatalysts obtained from Acinetobacter sp. SW30 and NaBH4. 2018 , 9, 186-197 | 10 |
| 391 | The reduction of 4-nitrophenol and 2-nitroaniline by palladium catalyst based on a KCC-1/IL in aqueous solution. 2018 , 32, e4251 | 26 |
| 390 | Green synthesis of antimicrobial and antitumor N,N,N-trimethyl chitosan chloride/poly (acrylic acid)/silver nanocomposites. 2018 , 111, 706-716 | 17 |
| 389 | Silver nanoparticles supported on ionic-tagged magnetic hydroxyapatite as a highly efficient and reusable nanocatalyst for hydrogenation of nitroarenes in water. 2018 , 32, e4226 | 10 |
| 388 | In situ prepared nanosized Pt-Ag/PDA/PVA-co-PE nanofibrous membrane for highly-efficient catalytic reduction of p-nitrophenol. 2018 , 9, 11-16 | 22 |
| 387 | Silver-attached reduced graphene oxide nanocomposite as an eco-friendly photocatalyst for organic dye degradation. 2018 , 44, 5597-5621 | 20 |
| 386 | Synthesis of shape and size-dependent CuAg bimetallic dumbbell structures for organic pollutant hydrogenation. 2018 , 102, 44-49 | 5 |
| 385 | A Facile and Convenient Route for Synthesis of Silver Biopolymer Gel Bead Nanocomposites by Different Approach Towards Immobilization and Its Catalytic Applications. 2018 , 148, 1514-1524 | 9 |
| 384 | Cuscuta reflexa leaf extract mediated green synthesis of the Cu nanoparticles on graphene oxide/manganese dioxide nanocomposite and its catalytic activity toward reduction of nitroarenes and organic dyes. 2018 , 86, 158-173 | 101 |
| 383 | Reduction of 2,4-Dinitrophenol to 2,4-Diaminophenol Using AuNPs and AgNPs as Catalyst. 2018 , 271, 76-84 | 10 |
| 382 | Green synthesis of plant supported CuAg and CuNi bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. 2018 , 260, 78-91 | 124 |
| 381 | Catalytic reduction of 2,4-dinitrophenylhydrazine by cuttlebone supported Pd NPs prepared using Conium maculatum leaf extract. 2018 , 12, 217-222 | 9 |
| 380 | APTES-functionalized Fe3O4 microspheres supported Cu atom-clusters with superior catalytic activity towards 4-nitrophenol reduction. 2018 , 547, 28-36 | 19 |
| 379 | Preparation, characterization and excellent catalytic activity of Cu/SBA-15 nanomaterials. 2018, 25, 207-214 | 8 |
| 378 | Strongly coupled Ag/TiO2 heterojunctions for effective and stable photothermal catalytic reduction of 4-nitrophenol. 2018 , 11, 126-141 | 55 |
| 377 | 4-Nitrophenol reduction catalysed by Au-Ag bimetallic nanoparticles supported on LDH: Homogeneous vs. heterogeneous catalysis. <i>Applied Clay Science</i> , 2018 , 151, 1-9 | 108 |

| 376 | Applications of nanocomposite hydrogels for biomedical engineering and environmental protection. 2018 , 16, 113-146 | | 123 |
|-----|--|------|-----|
| 375 | Enhanced catalytic activity of Ag nanoparticles supported on polyacrylamide/polypyrrole/graphene oxide nanosheets for the reduction of 4-nitrophenol. <i>Applied Surface Science</i> , 2018 , 434, 522-533 | 6.7 | 56 |
| 374 | Effect of processing parameters on preparation of carrageenan aerogel microparticles. 2018 , 180, 264 | -275 | 45 |
| 373 | Eco-friendly synthesis from industrial wastewater of Fe and Cu nanoparticles over NaX zeolite and activity in 4-nitrophenol reduction. 2018 , 96, 1566-1575 | | 9 |
| 372 | Effective reduction of p-nitrophenol by silver nanoparticle loaded on magnetic Fe3O4/ATO nano-composite. <i>Applied Surface Science</i> , 2018 , 435, 599-608 | 6.7 | 27 |
| 371 | Catalytic reduction of Nitrophenols using silver nanoparticles-supported activated carbon derived from agro-waste. 2018 , 6, 28-36 | | 37 |
| 370 | The reduction of 4-nitrophenol and 2-nitroaniline by the incorporation of Ni@Pd MNPs into modified UiO-66-NH2 metalBrganic frameworks (MOFs) with tetrathia-azacyclopentadecane. <i>New Journal of Chemistry</i> , 2018 , 42, 988-994 | 3.6 | 39 |
| 369 | Microwave assisted facile and green route for synthesis of CuO nanoleaves and their efficacy as a catalyst for reduction and degradation of hazardous organic compounds. 2018 , 353, 215-228 | | 42 |
| 368 | Preparation of metal oxide supported catalysts and their utilization for understanding the effect of a support on the catalytic activity. <i>New Journal of Chemistry</i> , 2018 , 42, 402-410 | 3.6 | 13 |
| 367 | Synthesis, characterization, and antibacterial property of eco-friendly Ag/cellulose nanocomposite film. 2018 , 67, 420-426 | | 13 |
| 366 | Green Synthesis, Characterization and Applications of Noble Metal Nanoparticles Using Myxopyrum serratulum A. W. Hill Leaf Extract. 2018 , 8, 105-117 | | 21 |
| 365 | One-step green synthesis of composition-tunable Pt-Cu alloy nanowire networks with high catalytic activity for 4-nitrophenol reduction. 2018 , 47, 17461-17468 | | 18 |
| 364 | A convenient and efficient precursor transformation route to well-dispersed, stable, and highly accessible supported Au nanocatalysts with excellent catalytic hydrogenation performances 2018 , 8, 39384-39393 | | 1 |
| 363 | Preparation of bimetallic Au/Pt nanotriangles with tunable plasmonic properties and improved photocatalytic activity. 2018 , 47, 16969-16976 | | 11 |
| 362 | Kinetic investigation for the catalytic reduction of nitrophenol using ionic liquid stabilized gold nanoparticles 2018 , 8, 38384-38390 | | 51 |
| 361 | A new class of organocobaloximes based FeNi3/DFNS for reduction of 4-nitrophenol and 2-nitroaniline. 2018 , 877, 21-31 | | 7 |
| 360 | Exploring the Inhibitory and Antioxidant Effects of Fullerene and Fullerenol on Ribonuclease A. <i>ACS Omega</i> , 2018 , 3, 12270-12283 | 3.9 | 16 |
| 359 | Silver nanoparticles assembled on modified sepiolite nanofibers for enhanced catalytic reduction of 4-nitrophenol. <i>Applied Clay Science</i> , 2018 , 166, 166-173 | 5.2 | 30 |

| 358 | Green Synthesis of Metallic Nanoparticles Using Biopolymers and Plant Extracts. 2018, 293-319 | | 7 |
|-----|---|-----|----|
| 357 | Green Synthesis of Silver, Copper and Iron Nanoparticles: Synthesis, Characterization and Their Applications in Wastewater Treatment. 2018 , 441-466 | | 2 |
| 356 | Catalytic Activities of Mono- and Bimetallic (Gold/Silver) Nanoshell-Coated Gold Nanocubes toward Catalytic Reduction of Nitroaromatics. <i>Langmuir</i> , 2018 , 34, 13897-13904 | 4 | 10 |
| 355 | Magnetic Au-Ag-ΕFeΦ/rGO Nanocomposites as an Efficient Catalyst for the Reduction of 4-Nitrophenol. 2018 , 8, | | 5 |
| 354 | Green Synthesis of Metal, Metal Oxide Nanoparticles, and Their Various Applications. 2018, 1-45 | | 15 |
| 353 | Hidden Treasures for Nanomaterials Synthesis!. 2018, 171-198 | | |
| 352 | Optimizing the synthesis conditions of silver nanoparticles using corn starch and their catalytic reduction of 4-nitrophenol. 2018 , 9, 025013 | | 2 |
| 351 | A novel multifunctional Ag and Sr co-doped TiO@rGO ternary nanocomposite with enhanced -nitrophenol degradation, and bactericidal and hydrogen evolution activity 2018 , 8, 31822-31829 | | 13 |
| 350 | Guar gum mediated synthesis of NiO nanoparticles: An efficient catalyst for reduction of nitroarenes with sodium borohydride. 2018 , 120, 2431-2441 | | 23 |
| 349 | Green synthesis of sheet-like cellulose nanocrystallinc oxide nanohybrids with multifunctional performance through one-step hydrothermal method. 2018 , 25, 6433-6446 | | 19 |
| 348 | Highly Efficient Photo-Reduction of p-Nitrophenol by Protonated Graphitic Carbon Nitride Nanosheets. 2018 , 10, 4747-4754 | | 27 |
| 347 | Fabrication of Ag@TiO2 electrospinning nanofibrous felts as SERS substrate for direct and sensitive bacterial detection. 2018 , 273, 600-609 | | 42 |
| 346 | Fabrication of novel ternary Au/CeO2@g-C3N4 nanocomposite: kinetics and mechanism investigation of 4-nitrophenol reduction, and benzyl alcohol oxidation. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1 | 2.6 | 22 |
| 345 | WO3-x based composite material with chitosan derived nitrogen doped mesoporous carbon as matrix for oxygen vacancy induced organic pollutants catalytic reduction and IR driven H2 production. <i>Journal of Solid State Chemistry</i> , 2018 , 266, 23-30 | 3.3 | 7 |
| 344 | Visible-enhanced photocatalytic performance of CuWO4/WO3 hetero-structures: incorporation of plasmonic Ag nanostructures. <i>New Journal of Chemistry</i> , 2018 , 42, 11109-11116 | 3.6 | 18 |
| 343 | Ternary Composite of Biomass Porous Carbon/SnO2/Pt: An Efficient Catalyst for Reduction of Aromatic Nitro Compounds. <i>ChemistrySelect</i> , 2018 , 3, 5066-5072 | 1.8 | 3 |
| 342 | Biosynthesized AgNP capped on novel nanocomposite 2-hydroxypropyl-Ecyclodextrin/alginate as a catalyst for degradation of pollutants. 2018 , 197, 29-37 | | 40 |
| 341 | Application of Nanomaterials Prepared by Thermolysis of Metal Chelates. 2018 , 459-541 | | |

| 340 | A facile strategy for synthesis of Ni@C(N) nanocapsules with enhanced catalytic activity for 4-nitrophenol reduction. 2018 , 555, 170-179 | | 22 |
|-----|--|-----|-----|
| 339 | Polymer Gels. 2018, | | 2 |
| 338 | Encapsulation of Gold Nanostructures and Oil-in-Water Nanocarriers in Microgels with Biomedical Potential. 2018 , 23, | | 14 |
| 337 | Trace determination of Ag(I) after reduction to Ag nanoparticles and solgel entrapment by alginic acid hydrogel. 2018 , 15, 2675-2688 | | O |
| 336 | Spherical nanosilver: Bio-inspired green synthesis, characterizations, and catalytic applications. 2018 , 16, 234-249 | | 23 |
| 335 | Nanosilver: new ageless and versatile biomedical therapeutic scaffold. 2018 , 13, 733-762 | | 110 |
| 334 | Amino acid assisted facile synthesis of two-dimensional ZnO nanotriangles for removal of noxious pollutants from water phase. 2018 , 6, 4970-4979 | | 3 |
| 333 | Microwave assisted rapid green synthesis of gold nanoparticles using Annona squamosa L peel extract for the efficient catalytic reduction of organic pollutants. 2018 , 1167, 305-315 | | 50 |
| 332 | Sunlight driven photocatalytic reduction of 4-nitrophenol on Pt decorated ZnO-RGO nanoheterostructures. <i>Materials Chemistry and Physics</i> , 2018 , 214, 364-376 | 4.4 | 41 |
| 331 | Copper mesoporous materials as highly efficient recyclable catalysts for the reduction of 4-nitrophenol in aqueous media. 2018 , 150, 69-76 | | 15 |
| 330 | Facile Fabrication of Nickel/Heazlewoodite@Carbon Nanosheets and their Superior Catalytic Performance of 4-Nitrophenol Reduction. 2018 , 10, 4143-4153 | | 19 |
| 329 | Identifying the True Catalyst in the Reduction of 4-Nitrophenol: A Case Study Showing the Effect of Leaching and Oxidative Etching Using Ag Catalysts. 2018 , 8, 8879-8888 | | 38 |
| 328 | One-Pot Fabrication of Perforated Graphitic Carbon Nitride Nanosheets Decorated with Copper Oxide by Controlled Ammonia and Sulfur Trioxide Release for Enhanced Catalytic Activity. <i>ACS Omega</i> , 2018 , 3, 9318-9332 | 3.9 | 17 |
| 327 | Novel Synthesis of Cu@ZnO and Ag@ZnO Nanocomposite via Green Method: A Comparative Study for Ultra-Rapid Catalytic and Recyclable Effects. 2018 , 148, 2561-2571 | | 16 |
| 326 | Ecofriendly Synthesis of Metal/Metal Oxide Nanoparticles and Their Application in Food Packaging and Food Preservation. 2018 , 197-216 | | 5 |
| 325 | Enhanced catalytic reduction of nitrophenols by sodium borohydride over highly recyclable Au@graphitic carbon nitride nanocomposites. 2019 , 240, 337-347 | | 102 |
| 324 | Synthesis and Catalytic Activities of Metal Shells (Monolayer, Bilayer, and Alloy Layer)-Coated Gold Octahedra toward Catalytic Reduction of Nitroaromatics. 2019 , 123, 21066-21075 | | 5 |
| 323 | Reducing agent free synthesis of palladium nanoparticles using Schiff base complex and study of its catalytic activity towards reduction of p-nitrophenol to p-aminophenol. 2019 , 20, 100379 | | 2 |

| 322 | Reduction of 4-Nitrophenol Using Ficin Capped Gold Nanoclusters as Catalyst. 2019, 35, 636-640 | 2 |
|---------------------------------|---|--------------------|
| 321 | Facile thermal fabrication of CuO nanoparticles from Cu(II)-Schiff base complexes and its catalytic reduction of 4-nitrophenol, antioxidant, and antimicrobial studies. 2019 , 23, 100259 | 10 |
| 320 | Developing Multicompartment Biopolymer Hydrogel Beads for Tandem Chemoenzymatic One-Pot Process. <i>Catalysts</i> , 2019 , 9, 547 | 8 |
| 319 | Biomimetic strategies to produce catalytically reactive CuS nanodisks. 2019 , 1, 2857-2865 | 6 |
| 318 | Carbon Supported Gold Nanoparticles for the Catalytic Reduction of 4-Nitrophenol. 2019 , 7, 548 | 15 |
| 317 | Ag Nanoparticles/AgWO Composite Formed by Electron Beam and Femtosecond Irradiation as Potent Antifungal and Antitumor Agents. 2019 , 9, 9927 | 24 |
| 316 | Raspberry-like gold-decorated silica (SSxAMPSAu) nanoparticles for the reductive discoloration of dyes. 2019 , 1, 1 | 2 |
| 315 | Agarose biopolymer coating on polyurethane sponge as host for catalytic silver metal nanoparticles. 2019 , 78, 105983 | 35 |
| 314 | Synthesis of graphene quantum dots stabilized bimetallic AgRh nanoparticles and their applications. 2019 , 496, 119031 | 9 |
| | | |
| 313 | Plant-Metal Interactions. 2019, | 7 |
| 313 | Plant-Metal Interactions. 2019, Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic activity under visible light and effectual antibacterial performance. 2019, 30, 15168-15183 | 6 |
| | Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic | |
| 312 | Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic activity under visible light and effectual antibacterial performance. 2019 , 30, 15168-15183 | 6 |
| 312 | Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic activity under visible light and effectual antibacterial performance. 2019 , 30, 15168-15183 In Planta Synthesis of Nanomaterials for Environmental Remediation. 2019 , 283-307 Alginate aerogels carrying calcium, zinc and silver cations for wound care: Fabrication and metal | 6 |
| 312 311 310 | Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic activity under visible light and effectual antibacterial performance. 2019, 30, 15168-15183 In Planta Synthesis of Nanomaterials for Environmental Remediation. 2019, 283-307 Alginate aerogels carrying calcium, zinc and silver cations for wound care: Fabrication and metal detection. 2019, 153, 104545 Rapid Catalytic Reduction of 4-Nitrophenol and Clock Reaction of Methylene Blue using Copper | 2 28 |
| 312 311 310 | Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic activity under visible light and effectual antibacterial performance. 2019, 30, 15168-15183 In Planta Synthesis of Nanomaterials for Environmental Remediation. 2019, 283-307 Alginate aerogels carrying calcium, zinc and silver cations for wound care: Fabrication and metal detection. 2019, 153, 104545 Rapid Catalytic Reduction of 4-Nitrophenol and Clock Reaction of Methylene Blue using Copper Nanowires. 2019, 9, | 6 2 28 39 |
| 312 311 310 309 308 | Microwave-assisted synthesis of l-histidine capped silver nanoparticles for enhanced photocatalytic activity under visible light and effectual antibacterial performance. 2019, 30, 15168-15183 In Planta Synthesis of Nanomaterials for Environmental Remediation. 2019, 283-307 Alginate aerogels carrying calcium, zinc and silver cations for wound care: Fabrication and metal detection. 2019, 153, 104545 Rapid Catalytic Reduction of 4-Nitrophenol and Clock Reaction of Methylene Blue using Copper Nanowires. 2019, 9, Nanotechnology and it® applications in environmental remediation: an overview. 2019, 32, 227-237 Characterization of Cellulose/Silver Nanocomposites Prepared by Vegetable Oil-Based | 6 2 28 39 |

| 304 | Ultra-low-loading palladium nanoparticles stabilized on nanocrystalline Polyaniline (Pd@PANI): A efficient, green, and recyclable catalyst for the reduction of nitroarenes. 2019 , 33, e5159 | | 1 | |
|-----|--|-----|----|--|
| 303 | Recruitment of various biological macromolecules in fabrication of gold nanoparticles: Overview for preparation and applications. 2019 , 140, 265-277 | | 11 | |
| 302 | Controlled Production of Monodisperse Plant-Mediated AgNP Catalysts Using Microwave Chemistry: A Desirability-Function-Based Multiple-Response Optimization Approach. <i>ChemistrySelect</i> , 2019 , 4, 9300-9308 | 1.8 | 5 | |
| 301 | One-pot synthesis of porous silica-supported ultrafine Ni nanoparticles as efficient and stable catalyst for selective hydrogenation of benzophenone. 2019 , 259, 118111 | | 8 | |
| 300 | An efficient and blistering reduction of 4-nitrophenol by green synthesized silver nanoparticles. 2019 , 1, 1 | | 13 | |
| 299 | SnO2 Co-doped with Co and Ni: Synthesis, Characterization, and Catalytic Properties in Reduction of 4-Nitrophenol. 2019 , 93, 1778-1782 | | 2 | |
| 298 | PdxCuy decorate hypercrosslinked network: Synthesis and application as efficient catalysts for the reduction of 4-nitrophenol and Suzuki-Miyaura coupling reaction. <i>Applied Surface Science</i> , 2019 , 495, 143584 | 6.7 | 8 | |
| 297 | Costus speciosus rhizome extract mediated synthesis of silver and gold nanoparticles and their biological and catalytic properties. <i>Inorganic and Nano-Metal Chemistry</i> , 2019 , 49, 249-259 | 1.2 | 7 | |
| 296 | Self-healing and high reusability of Au nanoparticles catalyst based on supramolecular hydrogel. 2019 , 583, 123954 | | 8 | |
| 295 | Anchoring nickel nanoparticles on three-dimensionally macro-/mesoporous titanium dioxide with a carbon layer from polydopamine using polymethylmethacrylate microspheres as sacrificial templates. 2019 , 3, 224-232 | | 57 | |
| 294 | Green synthesis of the Ag/Al2O3 nanoparticles using Bryonia alba leaf extract and their catalytic application for the degradation of organic pollutants. 2019 , 30, 3847-3859 | | 13 | |
| 293 | Green synthesis of metal/metal oxide nanoparticles toward biomedical applications: Boon or bane. 2019 , 265-301 | | 16 | |
| 292 | Multifunctional ternary composite films based on PLA and Ag/alginate microbeads: Physical characterization and silver release kinetics. 2019 , 98, 1159-1168 | | 12 | |
| 291 | Ag-Nanoparticle-Bearing Poly(vinylidene fluoride) Nanofiber Mats as Janus Filters for Catalysis and Separation. <i>ACS Applied Materials & Damp; Interfaces</i> , 2019 , 11, 7397-7404 | 9.5 | 26 | |
| 290 | Green synthesis of nano silver on TiO2 catalyst for application in oxidation of thiophene. <i>Chemical Engineering Science</i> , 2019 , 199, 332-341 | 4.4 | 18 | |
| 289 | Catalytic reduction of 4-nitrophenol over graphene supported Cu@Ni bimetallic nanowires. <i>Materials Chemistry and Physics</i> , 2019 , 227, 64-71 | 4.4 | 26 | |
| 288 | Synergistic effects of multi-active sites in silver modified BiBBiVO toward efficient reduction of aromatic nitrobenzene. 2019 , 368, 530-540 | | 22 | |
| 287 | The recyclability of alginate hydrogel particles used as a palladium catalyst support. 2019 , 73, 306-315 | | 26 | |
| | | | | |

| 286 | The Effect of Poly(vinylpyrrolidone) (PVP) on the Au Catalyzed Reduction of plitrophenol: The Fundamental Role of NaBH4 <i>ChemistrySelect</i> , 2019 , 4, 608-616 | 1.8 | 10 | |
|-----|---|------|----|--|
| 285 | Synthesis of catalytically active bimetallic nanoparticles within solution-processable metal B rganic-framework scaffolds. 2019 , 21, 3954-3960 | | 5 | |
| 284 | Plant-supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. 2019 , 33, e4971 | | 20 | |
| 283 | Enhanced photocatalytic H2 evolution by plasmonic and piezotronic effects based on periodic Al/BaTiO3 heterostructures. 2019 , 62, 513-520 | | 79 | |
| 282 | Catalytic Activity of Bimetallic (Ruthenium/Palladium) Nano-alloy Decorated Porous Carbons Toward Reduction of Toxic Compounds. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2662-2675 | 4.5 | 19 | |
| 281 | Catalytic reduction of nitrophenols and dyes using silver nanoparticles @ cellulose polymer paper for the resolution of waste water treatment challenges. 2019 , 577, 548-561 | | 85 | |
| 280 | A carboxylic acid functionalized SBA-15 supported Pd nanocatalyst: an efficient catalyst for hydrogenation of nitrobenzene to aniline in water. <i>New Journal of Chemistry</i> , 2019 , 43, 11871-11875 | 3.6 | 12 | |
| 279 | Synthesis of gold nanoparticles supported at graphene derivatives using green reductants and evaluation of their catalytic activity in 4-nitrophenol reduction. 2019 , 52, 165-174 | | 1 | |
| 278 | Metallosurfactants derived Pd-NiO nanocomposite for remediation of nitrophenol in water. 2019 , 288, 111018 | | 11 | |
| 277 | Catalytic Hydrogel Membrane Reactor for Treatment of Aqueous Contaminants. 2019 , 53, 6492-6500 | | 11 | |
| 276 | Catalytic reduction of 4-nitrophenol and photocatalytic degradation of organic pollutants in water by copper oxide nanosheets. 2019 , 93, 58-69 | | 36 | |
| 275 | Confinement of Cu nanoparticles in the nanocages of large pore SBA-16 functionalized with carboxylic acid: enhanced activity and improved durability for 4-nitrophenol reduction. 2019 , 48, 8227-6 | 3237 | 10 | |
| 274 | Facile Synthesis and Phase-Dependent Catalytic Activity of Cabbage-Type Copper Oxide Nanostructures for Highly Efficient Reduction of 4-Nitrophenol. 2019 , 149, 2519-2527 | | 18 | |
| 273 | Synergistic catalysis of monometallic (Ag, Au, Pd) and bimetallic (Ag Au, Au Pd) versus trimetallic (Ag-Au-Pd) nanostructures effloresced via analogical techniques. 2019 , 287, 110975 | | 54 | |
| 272 | Alginate-nanoparticles composites: kinds, reactions and applications. 2019 , 6, 092001 | | 12 | |
| 271 | Antimicrobial and antibiofilm activity of biopolymer-Ni, Zn nanoparticle biocomposites synthesized using UANL-001L exopolysaccharide as a capping agent. 2019 , 14, 2557-2571 | | 22 | |
| 270 | Deposition of Au nanoparticles on PDA-functionalized PVA beads as a recyclable catalyst for degradation of organic pollutants with NaBH4 in aqueous solution. <i>Journal of Alloys and Compounds</i> , 2019 , 793, 115-126 | 5.7 | 17 | |
| 269 | Novel approach to immobilize Au nanoclusters on micro/nanostructured carbonized natural lotus leaf as green catalyst with highly efficient catalytic activity. 2019 , 371, 876-884 | | 23 | |

| 268 | Iron-loaded amine/thiol functionalized polyester fibers with high catalytic activities: a comparative study. 2019 , 48, 8384-8399 | 19 |
|-----|--|-----|
| 267 | Synthesis of Fe3O4-DOPA-Cu Magnetically Separable Nanocatalyst: A Versatile and Robust Catalyst for an Array of Sustainable Multicomponent Reactions under Microwave Irradiation. 2019 , 149, 2180-2194 | 15 |
| 266 | Cryochemical Approach To Develop Catalysts for Intensification of the Hydrodesulfurization Reaction. 2019 , 58, 6266-6277 | 4 |
| 265 | Development of nickel-incorporated MCM-41Barbon composites and their application in nitrophenol reduction. 2019 , 7, 9618-9628 | 32 |
| 264 | Ruthenium Supported on Ionically Cross-linked Chitosan-Carrageenan Hybrid MnFe2O4 Catalysts for 4-Nitrophenol Reduction. <i>Catalysts</i> , 2019 , 9, 254 | 11 |
| 263 | Alginate: A Versatile Biopolymer for Functional Advanced Materials for Catalysis. 2019 , 357-375 | 6 |
| 262 | Catalytic hydrogenation of p-nitrophenol using a metal-free catalyst of porous crimped graphitic carbon nitride. <i>Applied Surface Science</i> , 2019 , 480, 888-895 | 24 |
| 261 | On the kinetics of catalytic hydrogenation over Pd nanoparticles regulated by various nucleosides. Chemical Engineering Science, 2019 , 201, 15-24 | 3 |
| 260 | A comparative study of hexacyanoferrate-based Prussian blue analogue nanocrystals for catalytic reduction of 4-nitrophenol to 4-aminophenol. 2019 , 218, 138-145 | 23 |
| 259 | Flexible Conductors from Brown Algae for Green Electronics. 2019 , 3, 1900001 | 5 |
| 258 | One-pot green synthesis of gold nanoparticles and its supportive role in surface activation of non-woven fibers as heterogeneous catalyst. 2019 , 571, 101-109 | 12 |
| 257 | A review on frontiers in plasmonic nano-photocatalysts for hydrogen production. 2019 , 44, 10453-10472 | 148 |
| 256 | Insight into Catalytic Mechanisms for the Reduction of Nitrophenol via Heterojunctions of Gold Nanoclusters on 2D Boron Nitride Nanosheets. 2019 , 5, 784-791 | 18 |
| 255 | Coral-like Au/TiO Hollow Nanofibers with Through-Holes as a High-Efficient Catalyst through Mass Transfer Enhancement. <i>Langmuir</i> , 2019 , 35, 4843-4848 | 18 |
| 254 | Green synthesis, characterization and catalytic activity of 4-nitrophenol reduction and formation of benzimidazoles using bentonite supported zero valent iron nanoparticles. 2019 , 2, 298-307 | 29 |
| 253 | Highly efficient reduction of 4-nitrophenolate to 4-aminophenolate by Au/FeO@HAP magnetic composites 2019 , 9, 10272-10281 | 2 |
| 252 | Design of experiment for optimization of nitrophenol reduction by green synthesized silver nanocatalyst. 2019 , 144, 494-504 | 14 |
| 251 | Development of a novel nanoprobe from alginate functionlized gold nanoparticles and 3-(dansylamino)phenylboronic acid for glucose detection and enhanced 4-nitrophenol reduction. 2019 , 475, 11-16 | 3 |

| 250 | Green Synthesis of Metal, Metal Oxide Nanoparticles, and Their Various Applications. 2019, 2281-2325 | | 2 |
|-----|--|-----|----|
| 249 | Influence of g-C3N4 and g-C3N4 nanosheets supported CuS coupled system with effect of pH on the catalytic activity of 4-NP reduction using NaBH4. 2019 , 14, 100088 | | 29 |
| 248 | Chemistry, Biology, and Surface Engineering of Sustainable Nanostructural Materials. 2019 , 25-52 | | |
| 247 | 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 | 3.6 | 9 |
| 246 | Ni/NiO Nanocomposites with Rich Oxygen Vacancies as High-Performance Catalysts for Nitrophenol Hydrogenation. <i>Catalysts</i> , 2019 , 9, 944 | 4 | 4 |
| 245 | Copper nanoparticles selectively encapsulated in an ultrathin carbon cage loaded on SrTiO as stable photocatalysts for visible-light H evolution via water splitting. 2019 , 55, 12900-12903 | | 24 |
| 244 | Synergetic effect of polydopamine particles and in-situ fabricated gold nanoparticles on charge-dependent catalytic behaviors. 2019 , 44, 63-70 | | 5 |
| 243 | One-pot green synthesis of bimetallic hollow palladium-platinum nanotubes for enhanced catalytic reduction of p-nitrophenol. 2019 , 539, 161-167 | | 66 |
| 242 | Encapsulation of AgNPs within Zwitterionic Hydrogels for Highly Efficient and Antifouling Catalysis in Biological Environments. <i>Langmuir</i> , 2019 , 35, 1563-1570 | 4 | 13 |
| 241 | Hierarchically porous poly(ethylenimine) modified poly(styrene-co-divinylbenzene) microspheres for the adsorption of gold nanoparticles and simultaneously being transformed as the nanoparticles immobilized catalyst. 2019 , 366, 529-537 | | 21 |
| 240 | Chitosan nanocomposite fibers supported copper nanoparticles based perceptive sensor and active catalyst for nitrophenol in real water. 2019 , 207, 650-662 | | 31 |
| 239 | Time and temperature dependent formation of hollow gold nanoparticles via galvanic replacement reaction of As(0) and its catalytic application. 2019 , 9, 270-279 | | 5 |
| 238 | Fabrication of ultrafine nickel nanoparticles anchoring carbon fabric composites and their High catalytic performance. 2019 , 562, 146-153 | | 15 |
| 237 | Insight into the Catalytic Behavior in Nitroarenes Reduction over Non-Noble Metals Modified Polymer Carbon Nitride. <i>ChemistrySelect</i> , 2019 , 4, 190-195 | 1.8 | 4 |
| 236 | Zeolitic imidazolate framework-derived Ag/C/ZnO for rapid reduction of organic pollutant. 2019 , 16, 1105-1111 | | 6 |
| 235 | Synthetic strategies and application of gold-based nanocatalysts for nitroaromatics reduction. 2019 , 652, 93-116 | | 31 |
| 234 | Highly chemoselective hydrogenation of nitroarenes catalyzed by 3,6-di(pyridin-2-yl)-1,2,4,5-s-tetrazine capped-silver nanoparticles in aqueous medium at room temperature. 2019 , 119, 62-66 | | 4 |
| 233 | Sub-nanometric Rh decorated magnetic nanoparticles as reusable catalysts for nitroarene reduction in water. 2019 , 119, 134-138 | | 12 |

(2020-2019)

| 232 | Preparation of highly-stable and recyclable novel Au/ZrP composite catalyst for 4-nitrophenol reduction. 2019 , 95, 525-531 | | 7 |
|-----|--|-----|----|
| 231 | Regular arrangement of Pt nanoparticles on S-layer proteins isolated from Lactobacillus kefiri: synthesis and catalytic application. 2020 , 481, 110262 | | 7 |
| 230 | Comparative study of different chitosan solutions to assist the green synthesis of gold nanoparticles under irradiation. 2020 , 169, 108250 | | 9 |
| 229 | Palladium Based-Polysaccharide Hydrogels as Catalysts in the Suzuki Cross-Coupling Reaction. 2020 , 30, 622-636 | | 9 |
| 228 | Acoustic cavitation assisted destratified clay tactoid reinforced in situ elastomer-mimetic semi-IPN hydrogel for catalytic and bactericidal application. 2020 , 60, 104797 | | 33 |
| 227 | A high performance recyclable magnetic CuFe2O4 nanocatalyst for facile reduction of 4-nitrophenol. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122237 | 4.4 | 10 |
| 226 | Pd nanoparticle incorporated mesoporous silicas with excellent catalytic activity and dual responsivity. 2020 , 585, 124074 | | 14 |
| 225 | Catalytic conversing heavy concentrations of nitroarenes to aminoarenes over Cu2O/Cu/SrTiO3 three-phase hybrid under flow conditions. 2020 , 245, 118919 | | 3 |
| 224 | Palladium nanoparticles supported on amine-functionalized alginate foams for hydrogenation of 3-nitrophenol. 2020 , 55, 2032-2051 | | 6 |
| 223 | Enhanced catalytic activity of CuO/Cu2O hybrid nanowires for reduction of 4-nitrophenol in water. Journal of Physics and Chemistry of Solids, 2020, 136, 109143 | 3.9 | 24 |
| 222 | Nanocatalytic Assemblies for Catalytic Reduction of Nitrophenols: A Critical Review. 2020 , 50, 322-338 | | 35 |
| 221 | Ultrasonic synthesis of g-C3N4/CdS composites and their photodegradation, catalytic reduction, antioxidant and antimicrobial studies. 2020 , 24, 210-228 | | 9 |
| 220 | Catalytic activity of gold for the electrochemical reduction of p-nitrophenol: analytical application. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 100, 1566-1577 | 1.8 | 7 |
| 219 | Morphology Controlled CuO Nanostructures for Efficient Catalytic Reduction of 4-Nitrophenol. 2020 , 150, 471-481 | | 13 |
| 218 | Heterostructured Nanocomposites of Ag Doped Fe3O4 Embedded in ZnO for Antibacterial Applications and Catalytic Conversion of Hazardous Wastes. 2020 , 30, 1944-1955 | | 8 |
| 217 | Magnetically recoverable nanocatalyst based on N-heterocyclic ligands: efficient treatment of environmental pollutants in aqueous media. 2020 , 22, 423-440 | | 5 |
| 216 | Metal-dependent nano-catalysis in reduction of aromatic pollutants. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 6459-6475 | 5.1 | 17 |
| 215 | Synthesis of MIL-101(Fe)/SiO2 composites with improved catalytic activity for reduction of nitroaromatic compounds. <i>Journal of Solid State Chemistry</i> , 2020 , 283, 121150 | 3.3 | 13 |

| 214 | Mussel chemistry inspired synthesis of Pd/SBA-15 for the efficient reduction of 4-nitrophenol. Journal of Physics and Chemistry of Solids, 2020 , 138, 109250 | 3.9 | 2 |
|-----|---|-----|----|
| 213 | Hemoglobin self-assembly and antibacterial activities of bio-modified Ag-MgO nanocomposites by different concentrations of Artemisia haussknechtii and Protoparmeliopsis muralis extracts. 2020 , 152, 1174-1185 | | 18 |
| 212 | Gold nanoparticles immobilised in a superabsorbent hydrogel matrix: facile synthesis and application for the catalytic reduction of toxic compounds. 2020 , 56, 1263-1266 | | 7 |
| 211 | Applications of layered double hydroxide biopolymer nanocomposites. 2020 , 599-676 | | 1 |
| 210 | On-Line Analysis of the Heterogeneous Pd-Catalyzed Transfer Hydrogenation of p-Nitrophenol in Water with Formic Acid in a Flow Reactor. 2020 , 24, 686-694 | | 3 |
| 209 | Synergistic effect of Cu loading on Fe sites of fly ash for enhanced catalytic reduction of nitrophenol. 2020 , 705, 134544 | | 11 |
| 208 | Noble metal nanoparticles-based heterogeneous bionano-catalysts supported on S-layer protein/polyurethane system. 2020 , | | 6 |
| 207 | Star-shaped amino-functionalized poly(glycerol methacrylate)-stabilized gold nanoparticle composites with catalytic activity for reduction of 4-nitrophenol. 2020 , 319, 114119 | | 2 |
| 206 | Supported metal and metal oxide particles with proximity effect for catalysis 2020 , 10, 35449-35472 | | 13 |
| 205 | Peanut shell biotemplate to fabricate porous magnetic Co3O4 coral reef and its catalytic properties for p-nitrophenol reduction and oxidative dye degradation. 2020 , 604, 125328 | | 10 |
| 204 | A One-Step Facile Encapsulation of Zeolite Microcrystallites in Ordered Mesoporous Microspheres. 2020 , 59, 13923-13931 | | 4 |
| 203 | Mechanistic insights for efficient inactivation of antibiotic resistance genes: a synergistic interfacial adsorption and photocatalytic-oxidation process. 2020 , 65, 2107-2119 | | 14 |
| 202 | Energetic decomposition yields efficient bimetallic Cu MOF-derived catalysts. 2020 , 8, 15066-15073 | | 5 |
| 201 | Structural and catalytic properties of Fe3O4 doped Bi2S3 novel magnetic nanocomposites: p-Nitrophenol case. 2020 , 8, 104258 | | 15 |
| 200 | Fly ash supported Pd-Ag bimetallic nanoparticles exhibiting a synergistic catalytic effect for the reduction of nitrophenol. 2020 , 49, 11019-11026 | | 5 |
| 199 | Highly efficient, economic, and recyclable glutathione decorated magnetically separable nanocomposite for uranium(VI) adsorption from aqueous solution. 2020 , 18, 100379 | | 5 |
| 198 | Energy-Efficient Rational Designing of Multifunctional Nanocomposites by Preferential Anchoring of Metal Ions via Fermi Level Positioning of Carbon Nanostructures. <i>ACS Applied Materials & Materials & Interfaces</i> , 2020 , | 9.5 | 4 |
| 197 | Nano-biomaterials in-focus as sensing/detection cues for environmental pollutants. 2020 , 2, 100055 | | 21 |

(2020-2020)

| 196 | Influencing the Electron Density of Nanosized Au Colloids via Immobilization on MgO to Stimulate Surface Reaction Activities. <i>Langmuir</i> , 2020 , 36, 14203-14213 | 4 | O |
|--------------------------|---|-----|-------------------|
| 195 | Controlled syntheses of Ag nanoparticles inside MOFs by using amine-borans as vapour phase reductants. 2020 , 49, 17169-17172 | | 1 |
| 194 | Gold/Konjac glucomannan bionanocomposites for catalytic degradation of mono-azo and di-azo dyes. 2020 , 120, 108156 | | 14 |
| 193 | Photocatalytic Materials for Reduction of Nitroarenes and Nitrates. 2020 , 124, 28345-28358 | | 12 |
| 192 | Simple Method for Directly Synthesizing Ag Nanoparticles with Silver Ammonia and Polydopamine in a Microreactor toward the Conversion of 4-NP to 4-AP. 2020 , 59, 16205-16216 | | 3 |
| 191 | Role of dissolved oxygen in nitroarene reduction by a heterogeneous silver textile catalyst in water. <i>New Journal of Chemistry</i> , 2020 , 44, 17780-17790 | 3.6 | 3 |
| 190 | Efficient reduction of environmental pollutants using metal nanoparticles catalyst on calcium alginate surface. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-17 | 1.8 | 2 |
| 189 | Green Synthesis and Catalytic Activity of Silver Nanoparticles Based on Stem Extracts. 2020 , 10, | | 22 |
| 188 | Photocatalytic activity of composites in an AgBrAg2CrO4 system prepared by a grinding method with and without washing. 2020 , 31, 14203-14212 | | |
| | | | |
| 187 | Green Synthesis of Metallic Nanoparticles and Their Potential Applications to Treat Cancer. 2020 , 8, 7 | 99 | 112 |
| 187 186 | Green Synthesis of Metallic Nanoparticles and Their Potential Applications to Treat Cancer. 2020 , 8, 76 Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. 2020 , 10, 966 | 99 | 112 |
| ĺ | Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine | 99 | |
| 186 | Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. 2020 , 10, 966 Characterization of coatings on metallic nanoparticles by surface-enhanced Raman scattering | 99 | 1 |
| 186 185 | Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. 2020, 10, 966 Characterization of coatings on metallic nanoparticles by surface-enhanced Raman scattering (SERS) for environmental purposes. 2020, 19, e20076 Ag nanoparticles stabilized on cubic polyhedral oligomeric silsesquioxane cross-linked poly(N-isopropyl acrylamide-co-itaconic acid): An efficient catalyst for 4-nitrophenol reduction. | 99 | 1 |
| 186 185 184 | Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. 2020, 10, 966 Characterization of coatings on metallic nanoparticles by surface-enhanced Raman scattering (SERS) for environmental purposes. 2020, 19, e20076 Ag nanoparticles stabilized on cubic polyhedral oligomeric silsesquioxane cross-linked poly(N-isopropyl acrylamide-co-itaconic acid): An efficient catalyst for 4-nitrophenol reduction. 2020, 13, 2051040 Ag doped CuO thin film prepared via pulsed laser deposition for 4-nitrophenol degradation. 2020, | 9.5 | 1 2 |
| 186 185 184 | Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. 2020, 10, 966 Characterization of coatings on metallic nanoparticles by surface-enhanced Raman scattering (SERS) for environmental purposes. 2020, 19, e20076 Ag nanoparticles stabilized on cubic polyhedral oligomeric silsesquioxane cross-linked poly(N-isopropyl acrylamide-co-itaconic acid): An efficient catalyst for 4-nitrophenol reduction. 2020, 13, 2051040 Ag doped CuO thin film prepared via pulsed laser deposition for 4-nitrophenol degradation. 2020, 8, 104104 Scale-Up of Cluster Beam Deposition to the Gram Scale with the Matrix Assembly Cluster Source for Heterogeneous Catalysis (Catalytic Ozonation of Nitrophenol in Aqueous Solution). ACS Applied | | 1 1 2 43 |
| 186 185 184 183 | Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. 2020, 10, 966 Characterization of coatings on metallic nanoparticles by surface-enhanced Raman scattering (SERS) for environmental purposes. 2020, 19, e20076 Ag nanoparticles stabilized on cubic polyhedral oligomeric silsesquioxane cross-linked poly(N-isopropyl acrylamide-co-itaconic acid): An efficient catalyst for 4-nitrophenol reduction. 2020, 13, 2051040 Ag doped CuO thin film prepared via pulsed laser deposition for 4-nitrophenol degradation. 2020, 8, 104104 Scale-Up of Cluster Beam Deposition to the Gram Scale with the Matrix Assembly Cluster Source for Heterogeneous Catalysis (Catalytic Ozonation of Nitrophenol in Aqueous Solution). ACS Applied Materials & Deposition of National Scale with Superior Catalytic Activity toward the | 9.5 | 1 1 2 43 5 |

| 178 | Recent progress in controlling the synthesis and assembly of nanostructures: Application for electrochemical determination of p-nitroaniline in water. 2020 , 219, 121234 | 7 |
|-----|---|----|
| 177 | Synthesis and catalytic practicality of CeO2 nanoparticle: an excellent heterogenous candidate for 4-nitrophenol reduction. 2020 , 10, 3443-3455 | 8 |
| 176 | On the Remarkable Performance of Silver-based Alloy Nanoparticles in 4-Nitrophenol Catalytic Reduction. 2020 , 12, 4680-4688 | 9 |
| 175 | Facile green synthesis of silver nanoparticles using Terminalia bellerica kernel extract for catalytic reduction of anthropogenic water pollutants. 2020 , 37, 100276 | 35 |
| 174 | Fabrication of efficient CuO / graphitic carbon nitride based heterogeneous photo-Fenton like catalyst for degradation of 2, 4 dimethyl phenol. 2020 , 142, 63-75 | 41 |
| 173 | Green Nanomaterials. 2020, | 3 |
| 172 | Synthesis and crystal structure of a new copper (II) complex, designed to produce efficient successor of Cu2O, toward synergy of adsorption and photodegradation of MB. 2020 , 34, e5639 | 2 |
| 171 | Synthesis, characterisation and photocatalytic activity of silver nanoparticles stabilised by Punica granatum seeds extract. 2020 , 1-10 | 7 |
| 170 | Low-cost synthesis of Cu/宇e2O3 from natural HFeO2: Application in 4-nitrophenol reduction. 2020 , 8, 104214 | 9 |
| 169 | Evaluation of catalytic activity of cellulose films decorated with gold nanoparticles in the reduction of 4-nitrophenol. 2020 , 27, 3919-3929 | 10 |
| 168 | Morphology-dependent interfacial interactions of FeO with Ag nanoparticles for determining the catalytic reduction of p-nitrophenol. 2020 , 92, 1-10 | 5 |
| 167 | Superparamagnetic alginate-based nanocomposite modified by L-arginine: An eco-friendly bifunctional catalysts and an efficient antibacterial agent. 2020 , 152, 834-845 | 12 |
| 166 | Activity and stability of the catalytic hydrogel membrane reactor for treating oxidized contaminants. 2020 , 174, 115593 | 6 |
| 165 | Catalytic reduction of 4-nitrophenol using gold-silver alloy nanoparticles coated on alkali activated sand. 2020 , 28, 1097-1100 | 2 |
| 164 | Novel hybrid materials based on alginate-boehmite-riboflavin for photogeneration of reactive oxygen species in aqueous media. Potential environmental implications. 2020 , 177, 108281 | 4 |
| 163 | On the Overlooked Critical Role of the pH Value on the Kinetics of the 4-Nitrophenol NaBH4-Reduction Catalyzed by Noble-Metal Nanoparticles (Pt, Pd, and Au). 2020 , 124, | 38 |
| 162 | Band-gap engineering using metal-semiconductor interfaces for photocatalysis and supercapacitor application. 2020 , 391-451 | |
| 161 | In situ immobilization of ultra-fine Ag NPs onto magnetic Ag@RF@FeO core-satellite nanocomposites for the rapid catalytic reduction of nitrophenols. 2020 , 179, 115882 | 32 |

(2021-2020)

| 160 | Microwave-mediated synthesis of silver nanoparticles on various metal-alginate composites: evaluation of catalytic activity and thermal stability of the composites in solvent-free acylation reaction of amine and alcohols. 2020 , 2, 1 | | 2 |
|-----|--|-----|----|
| 159 | Ag(I)-Hived Fullerene Microcube as an Enhanced Catalytic Substrate for the Reduction of 4-Nitrophenol and the Photodegradation of Orange G Dye. <i>Langmuir</i> , 2020 , 36, 5236-5242 | 4 | 6 |
| 158 | Preparation and catalytic evaluation of Au/HAlO nanoparticles for the conversion of 4-nitrophenol to 4-aminophenol by spectrophotometric method. 2020 , 44, 448-460 | | 1 |
| 157 | A green method to prepare magnetically recyclable Bi/Bi25FeO40-C nanocomposites for photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2020 , 521, 146342 | 6.7 | 6 |
| 156 | Critical analysis of various supporting mediums employed for the incapacitation of silver nanomaterial for aniline and phenolic pollutants: A review. 2021 , 38, 248-263 | | 7 |
| 155 | One pot synthesis of nano Ag in calcium alginate beads and its catalytic application in p -Nitrophenol reduction with kinetic parameter estimation and model fitting. 2021 , 99, 359-373 | | 2 |
| 154 | Sodium borohydride assisted reduction of toxic pollutants by silver coordinated melamine based polymeric material. 2021 , 44, 444-452 | | 1 |
| 153 | Simple and Efficient Synthesis of Various Sized Gold Nanoparticles for the Selective Electrochemical Determination of Dopamine. 2021 , 54, 1068-1084 | | 1 |
| 152 | Facile synthesis of Ce-doped SnO2 nanoparticles with enhanced performance for photocatalytic degradation of organic dye. 2021 , 18, 13-27 | | 7 |
| 151 | In situ synthesis of gold nanoparticles on novel nanocomposite lactose/alginate: Recyclable catalysis and colorimetric detection of Fe(III). 2021 , 251, 116998 | | 15 |
| 150 | Green synthesis of nano-silver-titanium nanotube array (Ag/TNA) composite for concurrent ibuprofen degradation and hydrogen generation. 2021 , 264, 128407 | | 12 |
| 149 | A copper diimine-based honeycomb-like porous network as an efficient reduction catalyst. 2021 , 35, | | 2 |
| 148 | A novel strategy to construct supported silver nanocomposite as an ultra-high efficient catalyst. 2021 , 283, 119592 | | 10 |
| 147 | One-Pot Biosynthesis of Maghemite (EFe2O3) Nanoparticles in Aqueous Extract of Ficus carica Fruit and Their Application for Antioxidant and 4-Nitrophenol Reduction. 2021 , 12, 3575-3587 | | 4 |
| 146 | UiO-66/btb/Pd as a stable catalyst reduction of 4-nitrophenol into 4-aminophenol. 2021 , 124, 108382 | | 3 |
| 145 | 4-Nitrophenol imprinted core-shell poly(N-isopropylacrylamide-acrylic acid)/poly(acrylic acid) microgels loaded with cadmium nanoparticles: A novel catalyst. <i>Materials Chemistry and Physics</i> , 2021 , 260, 124156 | 4.4 | 3 |
| 144 | Copper triazine polycarboxylic acid crystalline framework materials: Synthesis, structure and multifunctional properties with the luminescent and catalytic reduction of 4-NP. 2021 , 195, 114966 | | 1 |
| 143 | Biomolecule-assisted synthesis of biomimetic nanocomposite hydrogel for hemostatic and wound healing applications. 2021 , 23, 629-669 | | 26 |

| 142 | Fabrication of Nitrogen-Enriched Graphene Oxide on the DFNS/Metal NPs as a Nanocatalysts for the Reduction of 4-Nitrophenol and 2-Nitroaniline. 2021 , 151, 1882-1893 | 1 |
|-----|---|----------------|
| 141 | Study on catalytic efficiency of platinum and silver nanoparticles confined in nanosized channels of a 3-D mesostructured silica. 2021 , 28, 65-79 | 2 |
| 140 | Simultaneous catalytic reduction of p-nitrophenol and hydrogen production on MIL-101(Fe)-based composites. <i>New Journal of Chemistry</i> , 2021 , 45, 3120-3127 | 5 |
| 139 | Green Synthesis and Application of Metal and Metal Oxide Nanoparticles. 2021 , 831-857 | |
| 138 | Halometallic ionic liquid incorporated graphene nanosheets (IMD-Si/FeCl4@GNS): A highly efficient catalyst for the reduction of 4-nitrophenol and nonenzymatic glucose sensing. 2021 , 4, 100101 | 2 |
| 137 | Synthesis of biopolymer-based metal nanoparticles. 2021 , 255-316 | 3 |
| 136 | Green Synthesis and Application of Metal and Metal Oxide Nanoparticles. 2021, 1-27 | О |
| 135 | Tuning of structural and optical properties with enhanced catalytic activity in chemically synthesized Co-doped MoS nanosheets 2021 , 11, 1303-1319 | 9 |
| 134 | Green Synthesis of Reduced Graphene Oxide-Supported Palladium Nanoparticles by Coleus amboinicus and Its Enhanced Catalytic Efficiency and Antibacterial Activity. 2021 , 11, 134 | 2 |
| 133 | Mechanistic aspects and rate-limiting steps in green synthesis of metal and metal oxide nanoparticles and their potential in photocatalytic degradation of textile dye. 2021 , 605-630 | 4 |
| 132 | Biodegradability properties of biopolymers. 2021 , 231-251 | |
| 131 | Designing heterostructured core@satellite Prussian Blue Analogue@AuAg nanoparticles: Effect on the magnetic properties and catalytic activity. 2021 , 8, 2248-2260 | 2 |
| 130 | Spectrophotometric analysis of stability of gold nanoparticles during catalytic reduction of 4-nitrophenol. 2021 , 45, 82-91 | 1 |
| 129 | Green synthesis of highly dispersed Ag nanoparticles on polydopamine-functionalized graphene oxide and their high catalytic reduction reaction. <i>Microporous and Mesoporous Materials</i> , 2021 , 314, 11086? | 3 |
| 128 | One-Pot Synthesis of a Three-Dimensional Au-Decorated Cellulose Nanocomposite as a Surface-Enhanced Raman Scattering Sensor for Selective Detection and in Situ Monitoring. 2021 , 9, 3324-333 | 6 ⁵ |
| 127 | Metal-Immobilized Micellar Aggregates of a Block Copolymer from a Mixed Solvent for a SERS-Active Sensing Substrate and Versatile Dip Catalysis. <i>Langmuir</i> , 2021 , 37, 2445-2456 | 3 |
| 126 | Purification and immobilization of His-tagged organophosphohydrolase on yolkshell Co/C@SiO2@Ni/C nanoparticles for cascade degradation and detection of organophosphates. 2021 , 167, 107895 | 4 |
| 125 | Kinetics of the Reduction of 4-Nitrophenol by Silver Nanoparticles Immobilized in Thermoresponsive CoreBhell Nanoreactors. 2021 , 60, 3922-3935 | 8 |

(2021-2021)

| 124 | Development of sustainable and efficient nanocatalyst based on polyoxometalate/nickel oxide nanocomposite: A simple and recyclable catalyst for reduction of nitroaromatic compounds. 2021 , 68, 1487-1495 | | О | |
|-----|--|-----|----|--|
| 123 | Ferrocene-based metal-organic framework for highly efficient recovery of gold from WEEE. 2021 , 410, 128360 | | 15 | |
| 122 | Enhanced Catalysis of Plasmonic Silver Nanoparticles by a Combination of Macro-/Mesoporous Nanostructured Silica Support. 2021 , 125, 9150-9157 | | 2 | |
| 121 | Magnetite-Silica core-shell nanocomposites decorated with silver nanoparticles for enhanced catalytic reduction of 4-nitrophenol and degradation of methylene blue dye in the water. 2021 , 9, 1049 | 948 | 13 | |
| 120 | A facile and green synthesis of CuO/NiO nanoparticles and their removal activity of toxic nitro compounds in aqueous medium. 2021 , 271, 129475 | | 22 | |
| 119 | Ag Microplasma-Engineered Nanoassemblies on Cellulose Papers for Surface-Enhanced Raman Scattering and Catalytic Nitrophenol Reduction. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6364-6375 | 5.6 | 2 | |
| 118 | Preparation of Noble Metal Nanoparticles and Hydrogel Composite Materials and Their Application in Analytical Chemistry. 2021 , 49, 676-685 | | 3 | |
| 117 | Bioprospecting of Natural Compounds for Industrial and Medical Applications. 2021 , 53-71 | | O | |
| 116 | Biogenic Synthesis of Gold Nanoparticles on a Green Support as a Reusable Catalyst for the Hydrogenation of Nitroarene and Quinoline. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1956-1966 | 4.5 | 8 | |
| 115 | Carbon-Dots-Initiated Photopolymerization: An Synthetic Approach for MXene/Poly(norepinephrine)/Copper Hybrid and its Application for Mitigating Water Pollution. <i>ACS Applied Materials & Discours (Materials & Discours)</i> 13, 31038-31050 | 9.5 | 23 | |
| 114 | Green synthesis of NiO nanoparticles using Nigella sativa extract and their enhanced electro-catalytic activity for the 4-nitrophenol degradation. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 153, 110020 | 3.9 | 14 | |
| 113 | Au/Ag nanoparticles-decorated TiO2 with enhanced catalytic activity for nitroarenes reduction. 2021 , 621, 126614 | | 4 | |
| 112 | Facile and green fabrication of efficient Au nanoparticles catalysts using plant extract via a mesoporous silica-assisted strategy. 2021 , 621, 126580 | | 3 | |
| 111 | Biogenic Synthesis and Catalytic Efficacy of Silver Nanoparticles Based on Peel Extracts of Fruit. <i>ACS Omega</i> , 2021 , 6, 18260-18268 | 3.9 | 6 | |
| 110 | Elimination of dyes by catalytic reduction in the absence of light: A review. 2021 , 56, 15572-15608 | | 8 | |
| 109 | The Polymeric Matrix Composition of Biofilms Modulate Resistance to Silver Nanoparticles Prepared by Hydrothermal Synthesis. <i>ACS Applied Materials & Discours (Materials & Discours)</i> 13, 35356-35364 | 9.5 | 3 | |
| 108 | Ultrasound-assisted wet-impregnation of Agllo nanoparticles on cellulose nanofibers: Enhanced catalytic hydrogenation of 4-nitrophenol. 2021 , 9, 105719 | | 3 | |
| 107 | Solvent-free synthesis of N-doped carbon-based catalyst for high-efficient reduction of 4-nitrophenol. 2021 , 9, 105649 | | 1 | |

| 106 | Copper-based composites derived from metal-organic frameworks on carbohydrates-rich corncobs as efficient catalysts for organic compounds removal. <i>Applied Surface Science</i> , 2021 , 151396 | 6.7 | 1 |
|-----|---|-----|----|
| 105 | Iron oxide-loaded alginate-bentonite hydrogel beads as a green and sustainable catalyst for 4-nitrophenol reduction. <i>Materials Today Communications</i> , 2021 , 28, 102588 | 2.5 | 2 |
| 104 | Nanoflakes-like nickel cobaltite as active electrode material for 4-nitrophenol reduction and supercapacitor applications. 2021 , 419, 126453 | | 15 |
| 103 | Immobilization of size variable Au nanoparticles on surfactant-modified silica and their catalytic application toward 4-nitrophenol reduction: A comparative account of catalysis. 2021 , 26, 101423 | | 1 |
| 102 | Spectroscopic and morphological characterization of Nephelium lappaceum peel extract synthesized gold nanoflowers and its catalytic activity. 2021 , 133, 108868 | | 4 |
| 101 | Tannic Acid: A green and efficient stabilizer of Au, Ag, Cu and Pd nanoparticles for the 4-Nitrophenol Reduction, Suzuki-Miyaura coupling reactions and click reactions in aqueous solution. 2021 , 604, 281-291 | | 3 |
| 100 | Catalytic applications of biopolymer-based metal nanoparticles. 2021 , 423-516 | | 3 |
| 99 | Diagnosing metabolic diseases by nanoparticle immobilization. 2021 , 211-222 | | |
| 98 | Biosynthesis and Applications of Metal Nanomaterials. 2020 , 139-157 | | 2 |
| 97 | Metal nanoparticles containing chitosan wrapped cellulose nanocomposites for catalytic hydrogen production and reduction of environmental pollutants. 2020 , 242, 116286 | | 23 |
| 96 | Enzyme-mimetic activity of sugar cane juice stabilized CuO nanospheres and CuO/GO nanocomposite: Green synthesis and applications. 2020 , 35, 100239 | | 8 |
| 95 | Impact of nanoceria shape on degradation of diethyl paraoxon: Synthesis, catalytic mechanism, and water remediation application. 2020 , 188, 109653 | | 3 |
| 94 | Reduction of 4-nitrophenol and 2-nitroaniline using immobilized CoMnO NPs on lignin supported on FPS 2020 , 10, 19553-19561 | | 9 |
| 93 | Matrix-specific mechanism of Fe ion release from laser-generated 3D-printable nanoparticle-polymer composites and their protein adsorption properties. 2020 , 31, 405703 | | 6 |
| 92 | Efficient synthesis of palladium nanoparticles using guar gum as stabilizer and their applications as catalyst in reduction reactions and degradation of azo dyes. 2019 , 9, 63-76 | | 17 |
| 91 | Metal Nanoparticles from Algae: A Green Approach for the Synthesis, Characterization and their Biological Activity. 2020 , 10, 185-202 | | 4 |
| 90 | Amine functional silicaBupported bimetallic Cu-Ni nanocatalyst and investigation of some typical reductions of aromatic nitro-substituents. 1 | | 2 |
| 89 | Fabrication of Ag nanoparticles supported on amino-functionalized peeled-watermelon structured silica-coated nano-Fe3O4 with enhanced catalytic activity for reduction of 4-nitrophenol. 2021 , 45, 1005 | 521 | 1 |

| 88 | Progresses in chitin, chitosan, starch, cellulose, pectin, alginate, gelatin and gum based (nano)catalysts for the Heck coupling reactions: A review. 2021 , 192, 771-819 | | 9 |
|----------------|---|----|---|
| 87 | Structural Study of a Gold Nanoparticle/Sugar-type Surfactant Complex by SANS, SAXS, TEM, and EXAFS Techniques. 2015 , | | |
| 86 | Alginates: Micro- and Nanoparticles. 112-125 | | |
| 85 | Catalytic Activity of BiVO4-graphene Nanocomposites for the Reduction of Nitrophenols and the Photocatalytic Degradation of Organic Dyes. 2016 , 51, 240-249 | | |
| 84 | Polysaccharide-Based Polymer Gels. 2018 , 147-229 | | О |
| 83 | DL-Valine assisted fabrication of quercetin loaded CuO nanoleaves through microwave irradiation method: Augmentation in its catalytic and antimicrobial efficiencies. 2020 , 14, 100306 | | 3 |
| 82 | Catalytic reduction of 4-nitrophenol to 4-aminphenol in water using metal nanoparticles. 2022 , 237-261 | | О |
| 81 | Different Confined Noble-Metal Nanoparticles Catalysts on Porous g-C3N4 and Enhanced Catalytic Activity. 2020 , 10, 495-505 | | |
| 80 | Gold-Loaded Mesoporous Organosilica-Silica Core-Shell Nanoparticles as Catalytic Nanoreactors. 2020 , 2020, 3967-3976 | | 2 |
| 79 | Antibacterial Films of Alginate-CoNi-Coated Cellulose Paper Stabilized Co NPs for Dyes and Nitrophenol Degradation. <i>Polymers</i> , 2021 , 13, | 5 | 3 |
| 78 | Advancement of Microwave-Assisted Biosynthesis for Preparing Au Nanoparticles Using Extract and Evaluation of Their Catalytic Reduction of 4-Nitrophenol. <i>ACS Omega</i> , 2021 , 6, 32198-32207 | .9 | 2 |
| 77 | Synthesis of bimetallic Co P t/cellulose nanocomposites for catalytic reduction of p-nitrophenol. *Reaction Chemistry and Engineering, 4 | 9 | O |
| 76 | Benign by design: porous spherical ZnO-alginate family via a dual-template synthesis. <i>Applied Surface Science</i> , 2022 , 580, 152231 | 7 | О |
| 75 | Construction of novel Ag@SrNbO/LDH ternary hybrid with high catalytic performance towards the reduction of 4-nitrophenol. <i>Applied Surface Science</i> , 2022 , 581, 152425 | 7 | 4 |
| 74 | Catalytic reduction of 4-nitrophenol using CuO@NaTi(PO)?HO 2022 , 1-15 | | 1 |
| 73 | Green nanomaterials for environmental applications. 2022 , 365-396 | | 2 |
| 7 ² | Silver monoliths and their applications in catalytic reduction of 4-NP to 4-AP and sensing against As3+. 2022 , 29, 459 | | O |
| 71 | Discretization and Encapsulation of Palladium inside the Cavity of Crown Ether within the Interlayer of Layered Double Hydroxide for Enhanced Activity: A Case Study with Hydrogenation Reaction. 2101712 | ! | O |

| 70 | Advances on catalytic reduction of 4-nitrophenol by nanostructured materials as benchmark reaction. 1 | | 5 |
|----|---|-----|----|
| 69 | Cobalt with porous carbon architecture: Towards of 4-nitrophenol degradation and reduction. 2022 , 288, 120595 | | 3 |
| 68 | Morphology-controlled synthesis of gold nanoparticles with chitosan for catalytic reduction of nitrophenol. 2022 , 640, 128471 | | 1 |
| 67 | Two-dimensional MXene enabled carbon quantum dots@Ag with enhanced catalytic activity towards the reduction of -nitrophenol 2022 , 12, 4836-4842 | | 2 |
| 66 | Functionalized hybrid magnetic catalytic systems on micro- and nanoscale utilized in organic synthesis and degradation of dyes. | | 10 |
| 65 | Fabrication of tailored rod-shaped carbon nitride, g-C3N4, decorated with MoSe2 flowers for catalytic reduction of nitrophenol, organic dye degradation and biocompatibility studies. <i>New Journal of Chemistry</i> , | 3.6 | |
| 64 | Coumarin Derivative Induced 3D Organo-Silver(I) Complex with Tandem Hydrazine Detection and 4-Nitrophenol Catalysis. 2100186 | | 0 |
| 63 | Biodegradable Polymeric Nanocomposites for Wastewater Treatment. 2022 , 245-298 | | 1 |
| 62 | Ultrathin g-PAN/PANI-encapsulated Cu nanoparticles decorated on SrTiO3 with high stability as an efficient photocatalyst for the H2 evolution and degradation of 4-nitrophenol under visible-light irradiation. | | 0 |
| 61 | Biosynthesis of zerovalent iron nanoparticles for catalytic reduction of 4-Nitrophenol and decoloration of textile dyes <i>Biotechnology and Applied Biochemistry</i> , 2022 , | 2.8 | O |
| 60 | Effect of Europium, Yttrium and Lutetium Doping on the Photocatalytic Property of CeO 2 Nanoparticles in the Reduction of p-nitrophenol under Visible Light. <i>ChemistrySelect</i> , 2022 , 7, | 1.8 | 1 |
| 59 | Sidechain Metallopolymers with Precisely Controlled Structures: Synthesis and Application in Catalysis <i>Polymers</i> , 2022 , 14, | 4.5 | O |
| 58 | Antibacterial, Cytotoxic, and Catalytic Potential of Aqueous Amaranthus tricolor Mediated Green Gold Nanoparticles. <i>Plasmonics</i> , 1 | 2.4 | 1 |
| 57 | Functional Materials for DLP-SLA 3D Printing Using ThiolAcrylate Chemistry: Resin Design and Postprint Applications. <i>ACS Applied Polymer Materials</i> , | 4.3 | 3 |
| 56 | Spherical covalent organic framework supported Cu/Ag bimetallic nanoparticles with highly catalytic activity for reduction of 4-nitrophenol. <i>Journal of Solid State Chemistry</i> , 2022 , 123116 | 3.3 | 0 |
| 55 | Investigation of two bioinspired reaction mechanisms for the optimization of nano catalysts generated from hyperbranched polymer matrices. <i>Reactive and Functional Polymers</i> , 2022 , 174, 105238 | 4.6 | 1 |
| 54 | Plasmon assisted optical absorption and reduced charge recombination for improved device performance in polymer solar cell. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 165, 110662 | 3.9 | 1 |
| 53 | Effect of Structural Features of Polymer Gels Containing Au Nanoparticles on Their Catalytic Properties. <i>Journal of Chemical Engineering of Japan</i> , 2021 , 54, 648-656 | 0.8 | |

| 52 | Palladium Nanoparticles Supported on Cellulosic Paper as Multifunctional Catalyst for Coupling and Hydrogenation Reactions <i>Chemistry - an Asian Journal</i> , 2021 , e202101195 | 4.5 | O |
|----|---|-----|---|
| 51 | Self-Supporting g-C3N4 Nanosheets/Ag Nanoparticles Embedded onto Polyester Fabric as D ip-Catalyst r Synergic 4-Nitrophenol Hydrogenation. <i>Catalysts</i> , 2021 , 11, 1533 | 4 | O |
| 50 | Synthesis of Biogenic Silver Nanocatalyst and their Antibacterial and Organic Pollutants Reduction Ability <i>ACS Omega</i> , 2022 , 7, 14723-14734 | 3.9 | 2 |
| 49 | Compatible with excellent gold/palladium trap and open sites for green Suzuki coupling by an imidazole-modified MOF. <i>Microporous and Mesoporous Materials</i> , 2022 , 337, 111877 | 5.3 | O |
| 48 | Recyclable Ag/halloysite nanotubes/polyvinyl alcohol sponges for enhanced reduction of 4-nitrophenol. <i>Applied Clay Science</i> , 2022 , 223, 106510 | 5.2 | 2 |
| 47 | Distinguished performance of biogenically synthesized reduced-graphene-oxide-based mesoporous Au¶u2O/RGO ternary nanocomposites for sonocatalytic reduction of nitrophenols in water. New Journal of Chemistry, | 3.6 | 1 |
| 46 | Solvent effects on the kinetics of 4-nitrophenol reduction by NaBH4 in the presence of Ag and Au nanoparticles. <i>Reaction Chemistry and Engineering</i> , | 4.9 | O |
| 45 | Green synthesis, characterization, and catalytic application of a supported and magnetically isolable copper-iron oxide-sodium alginate. <i>Green Synthesis and Catalysis</i> , 2022 , | 9.3 | O |
| 44 | Photocatalytic Removal of Cr(VI) by Thiourea Modified Sodium Alginate/Biochar Composite Gel. <i>Gels</i> , 2022 , 8, 293 | 4.2 | О |
| 43 | The Co3O4 nanosheet hybridized with silver nanoparticles affords long-acting synergetic antimicrobial and catalytic degradation activity. <i>Journal of Alloys and Compounds</i> , 2022 , 165284 | 5.7 | Ο |
| 42 | Silver nanostructures prepared via novel green approach as an effective platform for biological and environmental applications <i>Saudi Journal of Biological Sciences</i> , 2022 , 29, 103296 | 4 | 2 |
| 41 | An Overview of Green Synthesis and Potential Pharmaceutical Applications of Nanoparticles as Targeted Drug Delivery System in Biomedicines <i>Drug Research</i> , 2022 , | 1.8 | Ο |
| 40 | Controllable Synthesis of Cobalt-Containing Nanosheet Array-Like Ternary CuCoAl-LDH/rGO Hybrids To Boost the Catalytic Efficiency for 4-Nitrophenol Reduction. <i>ACS Applied Materials & Interfaces</i> , | 9.5 | 2 |
| 39 | Synthesis, characterization and catalytic studies of bimetallic heteronuclear complexes for the reduction of nitroaromatic compounds. <i>Inorganic and Nano-Metal Chemistry</i> , 1-12 | 1.2 | |
| 38 | Facile synthesis of nanomaterials as nanofertilizers: a novel way for sustainable crop production. <i>Environmental Science and Pollution Research</i> , | 5.1 | О |
| 37 | Plasma-enabled synthesis of Pd/GO rich in oxygen-containing groups and defects for highly efficient 4-nitrophenol reduction. <i>Applied Surface Science</i> , 2022 , 597, 153727 | 6.7 | 1 |
| 36 | Efficient AuPd catalysts with layered material supporters for the reduction of 4-nitrophenol. <i>Journal of Nanoparticle Research</i> , 2022 , 24, | 2.3 | |
| 35 | Chapter 1. Introduction of Nanotechnology and Sustainability. <i>RSC Nanoscience and Nanotechnology</i> , 2022 , 1-32 | | O |

| 34 | Exploring the catalytic activity of Nb4C3Tx MXene towards degradation of nitro compounds and organic dyes by in situ decoration of palladium nanoparticles. <i>New Journal of Chemistry</i> , | 3.6 | |
|----|--|--------|----|
| 33 | Optimization strategy for green synthesis of silver nanoparticles (AgNPs) as catalyst for the reduction of 2,4-dinitrophenol via supported mechanism. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, | 2.6 | O |
| 32 | In situ deposition of Ag nanoparticles onto PE/rGO hybrids for the dip-catalytic hydrogenation of 4-nitrophenol into 4-aminophenol. <i>International Journal of Environmental Analytical Chemistry</i> , 1-19 | 1.8 | О |
| 31 | Kinetics of light assisted catalytic reduction of 4-NP over Ag/PDA. <i>Chemical Engineering Science</i> , 2022 , 259, 117778 | 4.4 | 1 |
| 30 | Preparation of Fe3O4-Cys-Cu magnetic nanocatalyst for expedient synthesis of tripodal C3 symmetric chromofluorogenic receptor for sensing of fluoride ion selectively: An experimental and computational slant. <i>Materials Chemistry and Physics</i> , 2022 , 288, 126360 | 4.4 | О |
| 29 | Photocatalytic Reduction of 4-Nitrophenol over Bismuth Sulfur/Titanium Dioxide Heterojunction: Influence of Bismuth Sulfur Content on the Reaction Efficiency. <i>Journal of Nano Research</i> , 74, 47-57 | 1 | |
| 28 | Reduction of 4-nitrophenol using copper loaded surfactant-modified chitosan beads: An approach towards sludge management. <i>Materials Today Communications</i> , 2022 , 104044 | 2.5 | 1 |
| 27 | Efficient reduction of organic pollutants and H2 generation using bimetallic nanoparticles coated alginate hydrogel beads. <i>Microporous and Mesoporous Materials</i> , 2022 , 341, 112065 | 5.3 | O |
| 26 | Temperature- and pH-Responsive Hydrogel Nanoparticles with Embedded Au Nanoparticles as Catalysts for the Reduction of Dyes. <i>ACS Applied Nano Materials</i> , | 5.6 | 1 |
| 25 | Studies of surface plasmon resonance of silver nanoparticles reduced by aqueous extract of shortleaf spikesedge and their catalytic activity. <i>International Journal of Phytoremediation</i> , 1-12 | 3.9 | O |
| 24 | Role of Surface Oxygen Vacancies and Oxygen Species on CuO Nanostructured Surfaces in Model Catalytic Oxidation and Reductions: Insight into the StructureActivity Relationship Toward the Performance. | | O |
| 23 | Synthesis of Ag nanoparticles by Celery leaves extract supported on magnetic biochar substrate, as a catalyst for the reduction reactions. 2022 , 12, | | 1 |
| 22 | CuAu bimetallic plasmonic-enhanced catalysts supported on alginate biohydrogels. 2022, 120021 | | О |
| 21 | Hybrid Alginate B rushite Beads Easily Catalyze the Knoevenagel Condensation On-Water. 2022 , 7, 278 | 31-278 | 3& |
| 20 | Nickel on Oxidatively Modified Carbon as a Promising Cost-Efficient Catalyst for Reduction of P-Nitrophenol. 2022 , 27, 5637 | | О |
| 19 | Use of surfactant bilayer modified silica for evolution and application of size variable solid Ag nanoparticle catalyst. 2022 , 290, 126579 | | O |
| 18 | Facile synthesis of green and efficient copper-based magnetically recoverable nanocatalyst for the reduction of nitrophenol derivatives. 2022 , 365, 120189 | | О |
| 17 | Amyloid-templated polydopamine nanofibers for catecholic immobilization of catalytic noble metal nanoparticles. 2022 , 58, 9156-9159 | | O |

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| 16 | Application of the Ugi reaction for preparation of submicron capsules based on sugar beet pectin. | O |
|----|--|---|
| 15 | Green Synthesis and Applications of Silver Nanoparticles: A Systematic Review. 247234442211198 | 2 |
| 14 | Food additives for the synthesis of metal nanoparticles: a review. | O |
| 13 | DFT supported experimental investigation of strain induced interfacial modification in Au-Ag bimetallic nanoparticles coated on activated sand. 2022 , 11, 100315 | Ο |
| 12 | Preparation of Highly Concentrated Uniform-Sized Silver Nanoparticles via Use of Thermoresponsive Zwitterionic Surfactants. | O |
| 11 | Catalytic efficiency of copper nanoparticles modified silica-alginate hydrogel nanocomposite towards reduction of water pollutants and H2 generation. 2022 , | O |
| 10 | Fabrication of Ag/TiO2 membrane on Ti substrate with integral structure for catalytic reduction of 4-nitrophenol. 2022 , 168, 792-799 | О |
| 9 | Screen-printed electrochemical sensors for environmental monitoring of heavy metal ion detection. 2022 , | 1 |
| 8 | Ecyclodextrin functionalized gold nanoparticles as an effective nanocatalyst for reducing toxic nitroaromatics. 2023 , 135, 113294 | 1 |
| 7 | Solvated electron-induced synthesis of cyclodextrin-coated Pd nanoparticles: mechanistic, catalytic, and anticancer studies. | O |
| 6 | Facile one-pot synthesis of silver nanoparticles embedded alginate beads: synthesis, characterization and antimicrobial activity. | О |
| 5 | Cysteamine-decorated gold nanoparticles for plasmon-based colorimetric on-site sensors for detecting cyanide ions using the smart-phone color ratio and for catalytic reduction of 4-nitrophenol. 2023 , 137836 | O |
| 4 | One-step biogenic synthesis of bismuth/reduced graphene oxide nanocomposites using lemon juice and their applications as recyclable nanocatalyst for the reduction of 4-nitrophenol. 2023 , 22, 100383 | О |
| 3 | A comprehensive DFT study of the stabilization of methyl-mercury over Ag nanoparticles. 2023 , 35, 105933 | O |
| 2 | Green Synthesis of Electrochemically Active Silver Nanoparticles. 2023 , 39, 82-94 | О |
| 1 | Green Synthesis of Silver Nanoparticles Using the Leaf Extract of the Medicinal Plant, Uvaria narum and Its Antibacterial, Antiangiogenic, Anticancer and Catalytic Properties. 2023 , 12, 564 | O |