

Jie Zheng

List of Publications by Year in descending order

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123
papers

6,043
citations

81900

39
h-index

76900

74
g-index

125
all docs

125
docs citations

125
times ranked

8470
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Interfacial Covalent Bonding Endowing Ti ₃ C ₂ S ₃ Composites High Sodium Storage Performance. <i>Small</i> , 2022, 18, e2104293. | 10.0 | 30 |
| 2 | Interfacial covalent bonding enables transition metal phosphide superior lithium storage performance. <i>Applied Surface Science</i> , 2022, 582, 152404. | 6.1 | 22 |
| 3 | Hydrogen Generation by Hydrolysis of MgH ₂ -LiH Composite. <i>Materials</i> , 2022, 15, 1593. | 2.9 | 12 |
| 4 | A monolithic sponge catalyst for hydrogen generation from sodium borohydride solution for portable fuel cells. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 35-40. | 6.0 | 20 |
| 5 | Perspectives and challenges of hydrogen storage in solid-state hydrides. <i>Chinese Journal of Chemical Engineering</i> , 2021, 29, 1-12. | 3.5 | 87 |
| 6 | LaNi _{5.5} particles for reversible hydrogen storage in N-ethylcarbazole. <i>Nano Energy</i> , 2021, 80, 105476. | 16.0 | 46 |
| 7 | A review of rare-earth oxide films as high k dielectrics in MOS devices” Commemorating the 100th Anniversary of the Birth of Academician Guangxian Xu. <i>Journal of Rare Earths</i> , 2021, 39, 121-128. | 4.8 | 10 |
| 8 | Ionization inhibition in a polyol/water system for boosting H ₂ generation from NaBH ₄ . <i>RSC Advances</i> , 2021, 11, 510-516. | 3.6 | 0 |
| 9 | Stable, Efficient, Copper Coordination Polymer-Derived Heterostructured Catalyst for Oxygen Evolution under pH-Universal Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25461-25471. | 8.0 | 7 |
| 10 | Metal hydride mediated water splitting: Electrical energy saving and decoupled H ₂ /O ₂ generation. <i>Materials Today</i> , 2021, 47, 16-24. | 14.2 | 13 |
| 11 | The cutting-edge phosphorus-rich metal phosphides for energy storage and conversion. <i>Nano Today</i> , 2021, 40, 101245. | 11.9 | 39 |
| 12 | Mg ₂ Si promoted magnesio-mechanical reduction of silica into silicon nanoparticles for high-performance Li-ion batteries. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122408. | 2.9 | 7 |
| 13 | Synthesis and dehydrogenation properties of NaZn(BH ₄) ₃ ·en and NaZn(BH ₄) ₃ ·2en (en = ethylene diamine). <i>Journal of Energy Chemistry</i> , 2020, 42, 233-236. | 12.9 | 1 |
| 14 | Aluminum: An underappreciated anode material for lithium-ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 93-99. | 18.0 | 40 |
| 15 | Low-temperature Synthesis of Honeycomb CuP ₂ @C in Molten ZnCl ₂ Salt for High-performance Lithium Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1975-1979. | 13.8 | 62 |
| 16 | Ni doping significantly improves dielectric properties of La ₂ O ₃ films. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153469. | 5.5 | 13 |
| 17 | Low-temperature Synthesis of Honeycomb CuP ₂ @C in Molten ZnCl ₂ Salt for High-performance Lithium Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 1991-1995. | 2.0 | 23 |
| 18 | The progress on aluminum-based anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25649-25662. | 10.3 | 53 |

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|----|--|------|-----------|
| 19 | Direct plasma phosphorization of Cu foam for Li ion batteries. Journal of Materials Chemistry A, 2020, 8, 16920-16925. | 10.3 | 44 |
| 20 | Ultrafine Sn ₄ P ₃ nanocrystals from chloride reduction on mechanically activated Na surface for sodium/lithium ion batteries. Nano Research, 2020, 13, 3157-3164. | 10.4 | 39 |
| 21 | Oxalic Acid Promoted Hydrolysis of Sodium Borohydride for Transition Metal Free Hydrogen Generation. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 706-710. | 1.0 | 0 |
| 22 | Direct conversion of metal organic frameworks into ultrafine phosphide nanocomposites in multicomponent plasma for wide pH hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 10402-10408. | 10.3 | 15 |
| 23 | Hydrogen storage performances, kinetics and microstructure of Ti _{1.02} Cr _{1.0} Fe _{0.7-x} Mn _{0.3} Al _x alloy by Al substituting for Fe. Renewable Energy, 2020, 153, 1140-1154. | 8.9 | 31 |
| 24 | Mimicking of Tunichlorin: Deciphering the Importance of a $\hat{\text{I}}^2$ -Hydroxyl Substituent on Boosting the Hydrogen Evolution Reaction. ACS Catalysis, 2020, 10, 2177-2188. | 11.2 | 24 |
| 25 | Plasma Transforming Ni(OH) ₂ Nanosheets into Porous Nickel Nitride Sheets for Alkaline Hydrogen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 5951-5957. | 8.0 | 48 |
| 26 | Yttrium trihydride enhanced lithium storage in carbon materials. Carbon, 2020, 164, 317-323. | 10.3 | 4 |
| 27 | Plasma modified BiOCl/sulfonated graphene microspheres as efficient photo-compensated electrocatalysts for the oxygen evolution reaction. Catalysis Science and Technology, 2020, 10, 4786-4793. | 4.1 | 12 |
| 28 | Oxalic Acid Promoted Hydrolysis of Sodium Borohydride for Transition Metal Free Hydrogen Generation. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 1011-1015. | 1.0 | 3 |
| 29 | High-pressure hydrogen storage properties of Ti _x Cr _{1-x} Fe _y Mn _{1.0-y} alloys. International Journal of Energy Research, 2019, 43, 5759-5774. | 4.5 | 17 |
| 30 | Application of hydrogen for rare-earth gadolinium purification and thermodynamic simulation of system. Journal of Materials Science, 2019, 54, 13334-13343. | 3.7 | 22 |
| 31 | Promoting hydrogen absorption of liquid organic hydrogen carriers by solid metal hydrides. Journal of Materials Chemistry A, 2019, 7, 16677-16684. | 10.3 | 32 |
| 32 | Film formation from plasma-enabled surface-catalyzed dehalogenative coupling of a small organic molecule. RSC Advances, 2019, 9, 2848-2856. | 3.6 | 10 |
| 33 | Development of Ti _{1.02} Cr _{2-x-y} Fe _x Mn _y (0.6 ≤ x ≤ 0.75, y=0.25, 0.3) alloys for high hydrogen pressure metal hydride system. International Journal of Hydrogen Energy, 2019, 44, 15087-15099. | 7.1 | 28 |
| 34 | Plasma modification of a Ni based metal-organic framework for efficient hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 8129-8135. | 10.3 | 32 |
| 35 | Plasma enabled non-thermal phosphorization for nickel phosphide hydrogen evolution catalysts. Chemical Communications, 2019, 55, 4202-4205. | 4.1 | 20 |
| 36 | A rare earth hydride supported ruthenium catalyst for the hydrogenation of N-heterocycles: boosting the activity via a new hydrogen transfer path and controlling the stereoselectivity. Chemical Science, 2019, 10, 10459-10465. | 7.4 | 51 |

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|----|--|-----------|-----------|
| 37 | Behavior of impurity elements in pure gadolinium during ultra-high purification. <i>Vacuum</i> , 2019, 162, 67-71. | 3.5 | 19 |
| 38 | Air Plasma Activation of Catalytic Sites in a Metal-Cyanide Framework for Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1800085. | 19.5 | 132 |
| 39 | Sn-C binary nanocomposites for lithium ion batteries: Core-shell vs. multilayer structure. <i>Electrochimica Acta</i> , 2018, 267, 1-7. | 5.2 | 27 |
| 40 | A highly efficient Ni-Mo bimetallic hydrogen evolution catalyst derived from a molybdate incorporated Ni-MOF. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9228-9235. | 10.3 | 83 |
| 41 | Synergism induced exceptional capacity and complete reversibility in Mg-Y thin films: enabling next generation metal hydride electrodes. <i>Energy and Environmental Science</i> , 2018, 11, 1563-1570. | 30.8 | 15 |
| 42 | Hydrogen storage properties of Y-Mg-Cu-H nanocomposite obtained by hydrogen-induced decomposition of YMg ₄ Cu intermetallic. <i>Journal of Alloys and Compounds</i> , 2018, 751, 176-182. | 5.5 | 25 |
| 43 | Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption (<i>Angew. Chem. Int. Ed.</i>) | 10.784314 | 0 |
| 44 | Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2219-2223. | 13.8 | 12 |
| 45 | Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption. <i>Angewandte Chemie</i> , 2018, 130, 2241-2245. | 2.0 | 2 |
| 46 | Chemical induced fragmentation of MOFs for highly efficient Ni-based hydrogen evolution catalysts. <i>Nanoscale Horizons</i> , 2018, 3, 218-225. | 8.0 | 30 |
| 47 | Turning optical switching properties of Mg-Y films in electrochemical process by tailoring composition. <i>Materials Research Express</i> , 2018, 5, 036419. | 1.6 | 1 |
| 48 | A Universal Method to Engineer Metal Oxide-Carbon Interface for Highly Efficient Oxygen Reduction. <i>ACS Nano</i> , 2018, 12, 3042-3051. | 14.6 | 125 |
| 49 | SnSO ₄ modified ZnO nanostructure for highly sensitive and selective formaldehyde detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1153-1159. | 7.8 | 27 |
| 50 | Plasma-processed homogeneous magnesium hydride/carbon nanocomposites for highly stable lithium storage. <i>Nano Research</i> , 2018, 11, 2724-2732. | 10.4 | 8 |
| 51 | Synergism of Rare Earth Trihydrides and Graphite in Lithium Storage: Evidence of Hydrogen-Enhanced Lithiation. <i>Advanced Materials</i> , 2018, 30, 1704353. | 21.0 | 25 |
| 52 | A high capacity nanocrystalline Sn anode for lithium ion batteries from hydrogenation induced phase segregation of bulk YSn ₂ . <i>Journal of Materials Chemistry A</i> , 2018, 6, 21266-21273. | 10.3 | 8 |
| 53 | Alkali and Alkaline Earth Hydrides-Driven N ₂ Activation and Transformation over Mn Nitride Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 14799-14806. | 13.7 | 81 |
| 54 | Experimental investigation and thermodynamic assessment of the yttrium-hydrogen binary system. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 332-336. | 4.4 | 19 |

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|----|--|------|-----------|
| 55 | A Peapodâ€like CoP@C Nanostructure from Phosphorization in a Lowâ€Temperature Molten Salt for Highâ€Performance Lithiumâ€Ion Batteries. <i>Angewandte Chemie</i> , 2018, 130, 10344-10348. | 2.0 | 38 |
| 56 | Effect of ammoniaâ€derived species on visibleâ€light photocatalytic activity of Au supported on amorphous TiO ₂ activated by plasma. <i>Plasma Processes and Polymers</i> , 2018, 15, 1800095. | 3.0 | 9 |
| 57 | A Peapodâ€like CoP@C Nanostructure from Phosphorization in a Lowâ€Temperature Molten Salt for Highâ€Performance Lithiumâ€Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10187-10191. | 13.8 | 87 |
| 58 | Ultrafine Sn nanocrystals in a hierarchically porous N-doped carbon for lithium ion batteries. <i>Nano Research</i> , 2017, 10, 1950-1958. | 10.4 | 76 |
| 59 | New approaches for rare earth-magnesium based hydrogen storage alloys. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 50-57. | 4.4 | 66 |
| 60 | Formation of Multiple-Phase Catalysts for the Hydrogen Storage of Mg Nanoparticles by Adding Flowerlike NiS. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5937-5946. | 8.0 | 84 |
| 61 | Boric acid-destabilized lithium borohydride with a 5.6 wt% dehydrogenation capacity at moderate temperatures. <i>Dalton Transactions</i> , 2017, 46, 4499-4503. | 3.3 | 10 |
| 62 | Room temperature solvent-free reduction of SiCl ₄ to nano-Si for high-performance Li-ion batteries. <i>Chemical Communications</i> , 2017, 53, 6223-6226. | 4.1 | 20 |
| 63 | High-Performance Hydrogen Storage Nanoparticles Inside Hierarchical Porous Carbon Nanofibers with Stable Cycling. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15502-15509. | 8.0 | 20 |
| 64 | Combining catalysis and hydrogen storage in direct borohydride fuel cells: towards more efficient energy utilization. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14310-14318. | 10.3 | 14 |
| 65 | Enhancing the reactivity of nickel(Ni) in hydrogen evolution reactions (HERs) by P^2 -hydrogenation of porphyrinoid ligands. <i>Chemical Science</i> , 2017, 8, 5953-5961. | 7.4 | 64 |
| 66 | Silica-Derived Hydrophobic Colloidal Nano-Si for Lithium-Ion Batteries. <i>ACS Nano</i> , 2017, 11, 6065-6073. | 14.6 | 77 |
| 67 | Photocatalytic Formaldehyde Oxidation over Plasmonic Au/TiO ₂ under Visible Light: Moisture Indispensability and Light Enhancement. <i>ACS Catalysis</i> , 2017, 7, 6514-6524. | 11.2 | 121 |
| 68 | Catalytic effect of (Ti _{0.85} Zr _{0.15}) _{1.05} Mn _{1.2} Cr _{0.6} V _{0.1} Co _{0.7} on hydrogen storage properties of ultrafine magnesium particles. <i>RSC Advances</i> , 2017, 7, 34538-34547. | 3.6 | 71 |
| 69 | Experimental study and thermodynamic assessment of the dysprosium-hydrogen binary system. <i>Journal of Alloys and Compounds</i> , 2017, 696, 60-66. | 5.5 | 11 |
| 70 | Arc-discharge synthesis of dual-carbonaceous-layer-coated tin nanoparticles with tunable structures and high reversible lithium storage capacity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13769-13775. | 10.3 | 7 |
| 71 | MOF-Derived Noble Metal Free Catalysts for Electrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35390-35397. | 8.0 | 151 |
| 72 | Hydrogen generation from reactions of hydrides with hydrated solids in the solid state. <i>RSC Advances</i> , 2016, 6, 36863-36869. | 3.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Study on the thermodynamics of the gadolinium-hydrogen binary system (H/Gd=2.0) and implications to metallic gadolinium purification. <i>Journal of Alloys and Compounds</i> , 2016, 673, 131-137. | 5.5 | 12 |
| 74 | Noble Metal-Free Oxygen Reduction Reaction Catalysts Derived from Prussian Blue Nanocrystals Dispersed in Polyaniline. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8436-8444. | 8.0 | 76 |
| 75 | An efficient Co-N-C oxygen reduction catalyst with highly dispersed Co sites derived from a ZnCo bimetallic zeolitic imidazolate framework. <i>RSC Advances</i> , 2016, 6, 37965-37973. | 3.6 | 72 |
| 76 | Directly converting Fe-doped metal-organic frameworks into highly active and stable Fe-N-C catalysts for oxygen reduction in acid. <i>Nano Energy</i> , 2016, 25, 110-119. | 16.0 | 434 |
| 77 | Promoted hydrogen release from alkali metal borohydrides in ionic liquids. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1137-1145. | 6.0 | 15 |
| 78 | 2-Aminoimidazole borohydride as a hydrogen carrier. <i>RSC Advances</i> , 2016, 6, 103299-103303. | 3.6 | 3 |
| 79 | Ni-Mo Nanocatalysts on N-Doped Graphite Nanotubes for Highly Efficient Electrochemical Hydrogen Evolution in Acid. <i>ACS Nano</i> , 2016, 10, 10397-10403. | 14.6 | 125 |
| 80 | Scalable graphene production: perspectives and challenges of plasma applications. <i>Nanoscale</i> , 2016, 8, 10511-10527. | 5.6 | 97 |
| 81 | A highly efficient and stable biphasic nanocrystalline Ni-Mo-N catalyst for hydrogen evolution in both acidic and alkaline electrolytes. <i>Nano Energy</i> , 2016, 22, 111-119. | 16.0 | 166 |
| 82 | Efficient Synthesis of an Aluminum Amidoborane Ammoniate. <i>Energies</i> , 2015, 8, 9107-9116. | 3.1 | 16 |
| 83 | Removal of gaseous impurities from terbium by hydrogen plasma arc melting. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7943-7948. | 7.1 | 12 |
| 84 | Direct plasma deposition of amorphous Si/C nanocomposites as high performance anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3522-3528. | 10.3 | 40 |
| 85 | The impact of the particle size of a metal-organic framework for sulfur storage in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8272-8275. | 10.3 | 129 |
| 86 | Opposite particle size effects on the adsorption kinetics of ZIF-8 for gaseous and solution adsorbates. <i>RSC Advances</i> , 2015, 5, 58595-58599. | 3.6 | 17 |
| 87 | MOF-derived surface modified Ni nanoparticles as an efficient catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16435-16439. | 10.3 | 146 |
| 88 | A miniature room temperature formaldehyde sensor with high sensitivity and selectivity using CdSO ₄ modified ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 75098-75104. | 3.6 | 25 |
| 89 | Ammonia borane confined by nitrogen-containing carbon nanotubes: enhanced dehydrogenation properties originating from synergetic catalysis and nanoconfinement. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20494-20499. | 10.3 | 34 |
| 90 | MgCl ₂ promoted hydrolysis of MgH ₂ nanoparticles for highly efficient H ₂ generation. <i>Nano Energy</i> , 2014, 10, 337-343. | 16.0 | 78 |

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|-----|--|------|-----------|
| 91 | Polyoxometallates trapped in a zeolitic imidazolate framework leading to high uptake and selectivity of bioactive molecules. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2168-2173. | 10.3 | 102 |
| 92 | Metal (metal = Fe, Co), N codoped nanoporous carbon for efficient electrochemical oxygen reduction. <i>RSC Advances</i> , 2014, 4, 37779-37785. | 3.6 | 24 |
| 93 | MOF derived catalysts for electrochemical oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14064-14070. | 10.3 | 407 |
| 94 | Nickel-substituted zeolitic imidazolate frameworks for time-resolved alcohol sensing and photocatalysis under visible light. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5724-5729. | 10.3 | 98 |
| 95 | Rational design of a metal-organic framework host for sulfur storage in fast, long-cycle Li-S batteries. <i>Energy and Environmental Science</i> , 2014, 7, 2715. | 30.8 | 434 |
| 96 | Highly efficient visible/near-IR-light-driven photocatalytic H ₂ production over asymmetric phthalocyanine-sensitized TiO ₂ . <i>RSC Advances</i> , 2013, 3, 14363. | 3.6 | 50 |
| 97 | Tandem plasma reactions for Sn/C composites with tunable structure and high reversible lithium storage capacity. <i>Nano Energy</i> , 2013, 2, 1314-1321. | 16.0 | 58 |
| 98 | Excellent hydrogen sorption kinetics of thick Mg-Pd films under mild conditions by tailoring their structures. <i>RSC Advances</i> , 2013, 3, 4167. | 3.6 | 26 |
| 99 | Synthesis of Mg@Mg ₁₇ Al ₁₂ ultrafine particles with superior hydrogen storage properties by hydrogen plasma-metal reaction. <i>Journal of Materials Chemistry</i> , 2012, 22, 19831. | 6.7 | 52 |
| 100 | Catalytic Thermal Decomposition of Ammonia-Borane by Well-Dispersed Metal Nanoparticles on Mesoporous Substrates Prepared by Magnetron Sputtering. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5722-5728. | 2.0 | 9 |
| 101 | Two pillared-layer metal-organic frameworks constructed with Co(II), 1,2,4,5-benzenetetracarboxylate, and 4,4'-bipyridine: syntheses, crystal structures, and gas adsorption properties. <i>CrystEngComm</i> , 2012, 14, 2296. | 2.6 | 22 |
| 102 | Nanotechnology in Mg-based materials for hydrogen storage. <i>Nano Energy</i> , 2012, 1, 590-601. | 16.0 | 250 |
| 103 | Preparation and study of alkyl carbamylated polyrotaxanes with large hysteresis during sol-gel phase transition. <i>Polymer Chemistry</i> , 2011, 2, 1797. | 3.9 | 10 |
| 104 | Synthesis and Hydrogen Storage Behaviour of Pure Mg ₂ Fe ₆ at Nanoscale. <i>Materials Transactions</i> , 2011, 52, 618-622. | 1.2 | 9 |
| 105 | Formation of polyhedral ceria nanoparticles with enhanced catalytic CO oxidation activity in thermal plasma via a hydrogen mediated shape control mechanism. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4445-4450. | 1.9 | 2 |
| 106 | Plasma-Assisted Approaches in Inorganic Nanostructure Fabrication. <i>Advanced Materials</i> , 2010, 22, 1451-1473. | 21.0 | 158 |
| 107 | Hydrogen desorption properties of Mg thin films at room temperature. <i>Journal of Power Sources</i> , 2010, 195, 1190-1194. | 7.8 | 23 |
| 108 | Improved hydrogen storage properties in Mg-based thin films by tailoring structures. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8331-8336. | 7.1 | 24 |

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|-----|---|-----|-----------|
| 109 | Thermal stability and magnetic anisotropy of nickel nanoplates. <i>Journal of Materials Science</i> , 2009, 44, 4599-4603. | 3.7 | 3 |
| 110 | Hydrogen absorption-desorption, optical transmission properties and annealing effect of Mg thin films prepared by magnetron sputtering. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 1910-1915. | 7.1 | 39 |
| 111 | Weak ferromagnetism and spin-glass state with nanosized nickel carbide. <i>Journal of Applied Physics</i> , 2009, 105, 123923. | 2.5 | 21 |
| 112 | Structure changes and optical properties of Mg ₂ Ni switchable mirrors. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 7207-7213. | 7.1 | 10 |
| 113 | Superior hydrogen desorption kinetics of Mg(NH ₂) ₂ hollow nanospheres mixed with MgH ₂ nanoparticles. <i>Applied Physics Letters</i> , 2008, 92, 231910. | 3.3 | 20 |
| 114 | Improved Magnetic Anisotropy of Monodispersed Triangular Nickel Nanoplates. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6630-6633. | 3.1 | 54 |
| 115 | Hydrogen storage properties of magnesium ultrafine particles prepared by hydrogen plasma-metal reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 110, 221-226. | 3.5 | 113 |
| 116 | PREPARATION OF ZnO NANOPARTICLES BY PRECIPITATION/MECHANOCHEMICAL METHOD. , 2003, , . | | 0 |
| 117 | PREPARATION OF ZnO NANOPARTICLES BY PRECIPITATION/MECHANOCHEMICAL METHOD. <i>International Journal of Nanoscience</i> , 2002, 01, 563-567. | 0.7 | 4 |
| 118 | Enhancement of Second Harmonic Generation and Photocurrent Generation of a Novel Stilbazolium Dye Dimer in Langmuir-Blodgett Monolayer Films. <i>Chemistry of Materials</i> , 2001, 13, 192-196. | 6.7 | 25 |
| 119 | Effect of heteroatoms on photocurrent generation from a series of styryl dye Langmuir-Blodgett films. <i>Journal of Materials Chemistry</i> , 2000, 10, 921-926. | 6.7 | 7 |
| 120 | Photoelectric conversion and second-order optical nonlinearity of Langmuir-Blodgett films of a novel dipolar two-dimensional material. <i>Journal of Materials Chemistry</i> , 2000, 10, 1287-1290. | 6.7 | 7 |
| 121 | The subtle role of heteroaromatics in the second-order susceptibility in a series of amphiphilic styryl dye Langmuir-Blodgett films. <i>New Journal of Chemistry</i> , 2000, 24, 317-321. | 2.8 | 4 |
| 122 | Novel Multifunctional Umbrella Molecule Material Combining Photoelectric Conversion and Second-Order Optical Nonlinearities in Langmuir-Blodgett Monolayers. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5090-5095. | 2.6 | 26 |
| 123 | Photosensitized Electron Injection from an ITO Electrode to Trichromophore Dyes Deposited on Langmuir-Blodgett Films. <i>Langmuir</i> , 1999, 15, 7276-7281. | 3.5 | 32 |