

Hidenori Yahiro

List of Publications by Year in descending order

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46
papers

1,348
citations

687363

13
h-index

330143

37
g-index

48
all docs

48
docs citations

48
times ranked

1160
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Removal of nitrogen monoxide through a novel catalytic process. 1. Decomposition on excessively copper-ion-exchanged ZSM-5 zeolites. <i>The Journal of Physical Chemistry</i> , 1991, 95, 3727-3730. | 2.9 | 546 |
| 2 | Cu-ZSM-5 zeolite as highly active catalyst for removal of nitrogen monoxide from emission of diesel engines. <i>Applied Catalysis</i> , 1991, 70, L1-L5. | 0.8 | 349 |
| 3 | Association Forms of NO in Sodium Ion-Exchanged A-Type Zeolite: A Temperature-Dependent Q-Band EPR Spectra. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7950-7956. | 2.5 | 33 |
| 4 | Effect of preparation routes on the catalytic activity over SmFeO ₃ oxide. <i>Catalysis Today</i> , 2008, 139, 125-129. | 4.4 | 32 |
| 5 | Nitric oxide adsorbed on zeolites: EPR studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1267-1278. | 3.9 | 29 |
| 6 | Selective Oxidation of Thioanisole with Hydrogen Peroxide using Copper Complexes Encapsulated in Zeolite: Formation of a Thermally Stable and Reactive Copper Hydroperoxo Species. <i>ACS Catalysis</i> , 2018, 8, 2645-2650. | 11.2 | 28 |
| 7 | Synthesis of perovskite-type oxide catalysts, Ln(Fe, Co)O ₃ (Ln=La, Pr, Sm, Gd, Dy, Ho, Er, and Yb), from the thermal decomposition of the corresponding cyano complexes. <i>Catalysis Today</i> , 2012, 185, 230-235. | 4.4 | 25 |
| 8 | Catalytic Activity of Multi-metallic Perovskite-Type Oxide Prepared by the Thermal Decomposition of Heteronuclear Cyano Complex, Sm[Fe _x Co _{1-x} (CN) ₆]·nH ₂ O. <i>Topics in Catalysis</i> , 2009, 52, 823-827. | 2.8 | 21 |
| 9 | Selective hydroxylation of cyclohexene over Fe-bipyridine complexes encapsulated into Y-type zeolite under environment-friendly conditions. <i>Catalysis Today</i> , 2015, 242, 261-267. | 4.4 | 19 |
| 10 | Ag nanoparticle embedded p(AA) hydrogel as an efficient green heterogeneous Nano-catalyst for oxidation and reduction of organic compounds. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3917. | 3.5 | 18 |
| 11 | EPR study on NO introduced into lithium ion-exchanged LTA zeolites. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4255-4259. | 2.8 | 14 |
| 12 | Catalytic Property of Perovskite-Type Oxide Prepared by Thermal Decomposition of Heteronuclear Complex. <i>Catalysis Surveys From Asia</i> , 2009, 13, 221-228. | 2.6 | 14 |
| 13 | Effect of Water Added into Acetonitrile Solvent on Oxidation of Benzene with Hydrogen Peroxide over Iron Complexes Encapsulated in Zeolite. <i>Chemistry Letters</i> , 2015, 44, 1287-1288. | 1.3 | 14 |
| 14 | A robust polyfunctional Pd(II)-based magnetic amphiphilic nanocatalyst for the Suzuki-Miyaura coupling reaction. <i>Scientific Reports</i> , 2021, 11, 10239. | 3.3 | 14 |
| 15 | Direct decomposition of nitrogen monoxide over Cu-MFI containing rare-earth elements: Sm and Gd as promoter. <i>Catalysis Today</i> , 2007, 126, 284-289. | 4.4 | 13 |
| 16 | Potentiometric VOCs detection using 8YSZ based oxygen sensor. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 777-780. | 1.1 | 13 |
| 17 | Cyanosilylation of benzaldehyde with TMSCN over perovskite-type oxide catalyst prepared by thermal decomposition of heteronuclear cyano complex precursors. <i>Research on Chemical Intermediates</i> , 2015, 41, 9551-9560. | 2.7 | 13 |
| 18 | Promotion Effect of FeO _x Addition on the Catalytic Activity of Supported Cu Catalysts for the Water-gas Shift Reaction. <i>Catalysis Letters</i> , 2008, 124, 233-237. | 2.6 | 12 |

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|----|--|-----|-----------|
| 19 | Transformation of crystalline heteronuclear cyano complex to crystalline perovskite-type oxide by thermal decomposition. <i>Catalysis Today</i> , 2011, 175, 534-540. | 4.4 | 12 |
| 20 | Encapsulation of a binuclear manganese(II) complex with an amino acid-based ligand in zeolite Y and its catalytic epoxidation of cyclohexene. <i>Transition Metal Chemistry</i> , 2013, 38, 725-732. | 1.4 | 12 |
| 21 | Effect of Ni-loading on Sm-doped CeO ₂ anode for ammonia-fueled solid oxide fuel cell. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 870-876. | 1.1 | 12 |
| 22 | New Preparation Method of CdS Clusters Encapsulated in Y-Type Zeolites. <i>Topics in Catalysis</i> , 2002, 19, 193-195. | 2.8 | 11 |
| 23 | Selective Hydroxylation of Cyclohexene in Water as an Environment-friendly Solvent with Hydrogen Peroxide over Fe ^{II} -Bipyridine Encapsulated in Y-type Zeolite. <i>Chemistry Letters</i> , 2012, 41, 713-715. | 1.3 | 10 |
| 24 | Anode-supported SOFC with thin film of proton-conducting BaCe _{0.8} Y _{0.2} O _{3-α} by electrophoretic deposition. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 528-532. | 1.1 | 9 |
| 25 | Conductivity of zeolite/poly(tetrafluoroethylene) composite membrane in the presence of water vapor. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 620-623. | 2.8 | 8 |
| 26 | Anodic performance of bilayer Ni-YSZ SOFC anodes formed by electrophoretic deposition. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 235-238. | 1.1 | 8 |
| 27 | Oxidation of cyclic hydrocarbons with hydrogen peroxide over iron complexes encapsulated in cation-exchanged zeolite. <i>Catalysis Today</i> , 2018, 303, 249-255. | 4.4 | 8 |
| 28 | CO Sensing Property of Transition Metal Oxide-Loaded SnO ₂ in a Reducing Atmosphere. <i>Materials and Manufacturing Processes</i> , 2010, 25, 350-353. | 4.7 | 6 |
| 29 | Synthesis of perovskite-type oxide, LaFeO ₃ , from coordination polymer precursor, La[Fe(CN) ₆]·5H ₂ O. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 7-12. | 1.1 | 6 |
| 30 | Electrochemical Performances of Proton-Conducting SOFC with La-Sr-Fe-O Cathode Fabricated by Electrophoretic Deposition Techniques. <i>Electrochemistry</i> , 2009, 77, 143-145. | 1.4 | 5 |
| 31 | Catalytic oxidation of benzene to phenol with hydrogen peroxide over Fe-terpyridine complexes supported on a cation exchange resin. <i>Catalysis Communications</i> , 2018, 116, 48-51. | 3.3 | 5 |
| 32 | Carbon Oxidation Reaction over Pt/Spherical Alumina Beads Catalysts Prepared by Sputtering Method. <i>Topics in Catalysis</i> , 2010, 53, 648-653. | 2.8 | 4 |
| 33 | Hydrogen permeation of BaCe _{0.80} Y _{0.20} O _{3-δ} -Gd ₂ O ₃ dual-phase membranes. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 338-342. | | |
| 34 | Improvement of the carbon oxidation activity of Cu-MFI by high-temperature pretreatment. <i>Catalysis Communications</i> , 2010, 11, 820-823. | 3.3 | 3 |
| 35 | Redox Properties of Fe-Promoted Cu/Al ₂ O ₃ Catalysts Active for Water-Gas-Shift Reaction. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 511-516. | 3.2 | 3 |
| 36 | Cyanosilylation of Benzaldehyde with Trimethylsilyl cyanide over Zn-Sn Mixed Oxide Catalysts with Cubic-shaped Particles. <i>Chemistry Letters</i> , 2016, 45, 851-853. | 1.3 | 3 |

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|----|--|-----|-----------|
| 37 | PM oxidation over Ag-loaded perovskite-type oxide catalyst prepared by thermal decomposition of heteronuclear cyano-complex precursor. <i>Catalysis Today</i> , 2019, 332, 83-88. | 4.4 | 3 |
| 38 | Study on the Perovskite-type Oxide Cathodes in Proton-conducting SOFC. <i>Materials Research Society Symposia Proceedings</i> , 2006, 972, 1. | 0.1 | 2 |
| 39 | Radiation-initiated graft polymerization of methylmethacrylate onto poly(tetrafluoroethylene): Characterization by ¹ H-NMR. <i>Journal of Applied Polymer Science</i> , 1999, 74, 1386-1394. | 2.6 | 1 |
| 40 | Phase separation in the system with sodium silicate and sodium dodecyl sulfate under acidic conditions. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 295-299. | 1.1 | 1 |
| 41 | Effect of pretreatment on carbon oxidation activity over copper ion-exchanged zeolite catalysts. <i>Research on Chemical Intermediates</i> , 2011, 37, 1157-1164. | 2.7 | 1 |
| 42 | Preparation of perovskite-type oxides from heterometal coordination polymer precursors linked by oxalate ligands, $\{Sm[M(ox)_3] \cdot nH_2O\}_x$ (M = Fe or Co). <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 84-88. | 1.1 | 1 |
| 43 | Catalytic oxidation of cyclic hydrocarbons with hydrogen peroxide using Fe complexes immobilized into montmorillonite. <i>Catalysis Today</i> , 2020, 352, 243-249. | 4.4 | 1 |
| 44 | A smart hydrogel carrier for silver nanoparticles: an improved recyclable catalyst with temperature-tuneable catalytic activity for alcohol and olefin oxidation. <i>New Journal of Chemistry</i> , 2022, 46, 13661-13677. | 2.8 | 1 |
| 45 | Influence of Ni Particle Size of SDC-Supported Anode on SOFC Performance. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1676, 1. | 0.1 | 0 |
| 46 | Elimination of H ₂ S Contained in Biogas by Metal-supported Active Carbon Adsorbents. <i>Journal of the Japan Petroleum Institute</i> , 2012, 55, 371-375. | 0.6 | 0 |