

# 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  
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48  
docs citations

48  
times ranked

1160  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Effect of Ni-loading on Sm-doped CeO <sub>2</sub> anode for ammonia-fueled solid oxide fuel cell. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 870-876.	1.1	12
9	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
10	Hydrogen permeation of BaCe <sub>0.80</sub> Y <sub>0.20</sub> O <sub>3-<math>\delta</math></sub> and Gd dual-phase membranes. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 338-342.	1.1	1
11	Anode-supported SOFC with thin film of proton-conducting BaCe <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3-<math>\alpha</math></sub> by electrophoretic deposition. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 528-532.	1.1	9
12	Synthesis of perovskite-type oxide, LaFeO <sub>3</sub> , from coordination polymer precursor, La[Fe(CN) <sub>6</sub> ]·5H <sub>2</sub> O. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 7-12.	1.1	6
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	Preparation of perovskite-type oxides from heterometal coordination polymer precursors linked by oxalate ligands, $\{Sm[M(ox)_3]_nH_2O\}_x$ (M = Fe or Co). <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 84-88.	1.1	1
21	Redox Properties of Fe-Promoted Cu/Al <sub>2</sub> O <sub>3</sub> Catalysts Active for Water-Gas-Shift Reaction. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 511-516.	3.2	3
22	Selective Hydroxylation of Cyclohexene in Water as an Environment-friendly Solvent with Hydrogen Peroxide over Fe-Bipyridine Encapsulated in Y-type Zeolite. <i>Chemistry Letters</i> , 2012, 41, 713-715.	1.3	10
23	Synthesis of perovskite-type oxide catalysts, Ln(Fe, Co)O <sub>3</sub> (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
24	Elimination of H <sub>2</sub> 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
25	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
26	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
27	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
28	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
29	CO Sensing Property of Transition Metal Oxide-Loaded SnO <sub>2</sub> in a Reducing Atmosphere. <i>Materials and Manufacturing Processes</i> , 2010, 25, 350-353.	4.7	6
30	Improvement of the carbon oxidation activity of Cu-MFI by high-temperature pretreatment. <i>Catalysis Communications</i> , 2010, 11, 820-823.	3.3	3
31	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
32	Catalytic Activity of Multi-metallic Perovskite-Type Oxide Prepared by the Thermal Decomposition of Heteronuclear Cyano Complex, $Sm[Fe_xCo_{1-x}(CN)_6]_nH_2O$ . <i>Topics in Catalysis</i> , 2009, 52, 823-827.	2.8	21
33	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
34	Promotion Effect of FeO <sub>x</sub> 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
35	Effect of preparation routes on the catalytic activity over SmFeO <sub>3</sub> oxide. <i>Catalysis Today</i> , 2008, 139, 125-129.	4.4	32
36	Potentiometric VOCs detection using 8YSZ based oxygen sensor. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 777-780.	1.1	13

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37	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
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	Nitric oxide adsorbed on zeolites: EPR studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1267-1278.	3.9	29
40	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
41	EPR study on NO introduced into lithium ion-exchanged LTA zeolites. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4255-4259.	2.8	14
42	New Preparation Method of CdS Clusters Encapsulated in Y-Type Zeolites. <i>Topics in Catalysis</i> , 2002, 19, 193-195.	2.8	11
43	Association Forms of NO in Sodium Ion-Exchanged A-Type Zeolite: Temperature-Dependent Q-Band EPR Spectra. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7950-7956.	2.5	33
44	Radiation-initiated graft polymerization of methylmethacrylate onto poly(tetrafluoroethylene): Characterization by <sup>1</sup> H-NMR. <i>Journal of Applied Polymer Science</i> , 1999, 74, 1386-1394.	2.6	1
45	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
46	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