

Hideyuki Takagi

List of Publications by Year in descending order

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38
papers

1,464
citations

471509

17
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the active sites of Cs-promoted Ru/ γ -Al ₂ O ₃ catalysts for ammonia synthesis. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121269.	20.2	12
2	A super-growth carbon nanotubes-supported, Cs-promoted Ru catalyst for 0.1 MPaG ammonia synthesis. <i>Journal of Catalysis</i> , 2022, 413, 623-635.	6.2	8
3	Effect of Pd Precursor Salts on the Chemical State, Particle Size, and Performance of Activated Carbon-Supported Pd Catalysts for the Selective Hydrogenation of Palm Biodiesel. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1256.	4.1	5
4	X-ray absorption spectroscopy of Ba- and Cs-promoted Ru/mesoporous carbon catalysts for long-term ammonia synthesis under intermittent operation conditions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 832-842.	4.9	12
5	Well-ordered Cs@Ru@SBA-15 nanocomposite materials for low pressure ammonia synthesis. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5802-5811.	4.9	9
6	Superficial Pd nanoparticles supported on carbonaceous SBA-15 as efficient hydrotreating catalyst for upgrading biodiesel fuel. <i>Applied Catalysis A: General</i> , 2020, 602, 117707.	4.3	20
7	Mild Ammonia Synthesis over Ba-Promoted Ru/MPC Catalysts: Effects of the Ba/Ru Ratio and the Mesoporous Structure. <i>Catalysts</i> , 2019, 9, 480.	3.5	19
8	Energy Efficient and Intermittently Variable Ammonia Synthesis over Mesoporous Carbon-Supported Cs-Ru Nanocatalysts. <i>Catalysts</i> , 2019, 9, 406.	3.5	14
9	Hydrotreating of Jatropha-derived Bio-oil over Mesoporous Sulfide Catalysts to Produce Drop-in Transportation Fuels. <i>Catalysts</i> , 2019, 9, 392.	3.5	11
10	A Mesoporous Carbon-Supported and Cs-Promoted Ru Catalyst with Enhanced Activity and Stability for Sustainable Ammonia Synthesis. <i>ChemCatChem</i> , 2018, 10, 3411-3414.	3.7	24
11	Co-Processing of Jatropha-Derived Bio-Oil with Petroleum Distillates over Mesoporous CoMo and NiMo Sulfide Catalysts. <i>Catalysts</i> , 2018, 8, 59.	3.5	16
12	Surplus adsorption of bromide ion into π -conjugated carbon nanopores assisted by proton coadsorption. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 415-418.	9.4	10
13	Back Cover: Plasma Process. <i>Polym. 60</i> 2017. <i>Plasma Processes and Polymers</i> , 2017, 14, 1770010.	3.0	0
14	Atmospheric-pressure nonthermal plasma synthesis of ammonia over ruthenium catalysts. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600157.	3.0	109
15	Effects of Steam on Ni/Al ₂ O ₃ Catalysts for Ammonia Decomposition. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17849-17853.	3.7	6
16	Ammonia decomposition activity over Ni/SiO ₂ catalysts with different pore diameters. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13954-13961.	7.1	32
17	Comparison of Co Particle Catalysts and γ -Supported Cobalt Catalysts for Ethanol Steam Reforming: Primary Factors for Suppressed CH ₄ Production and Enhanced H ₂ and CO ₂ Production. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1016-1022.	3.2	3
18	Hydrogen Production from Ethanol Steam Reforming over Noble Metal Catalysts Supported on SiO ₂ : Mechanism of Methane Production and Reaction Conditions for Suppression of Methane Production. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 517-521.	3.2	8

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19	High-Power Supercapacitor Electrodes from Single-Walled Carbon Nanohorn/Nanotube Composite. ACS Nano, 2011, 5, 811-819.	14.6	251
20	Adsorption Properties of Surface Modified Carbons with Metal Nanoparticles. Journal of Nano Research, 2010, 11, 125-129.	0.8	1
21	Cracking and Coking Behaviors of Nascent Volatiles Derived from Flash Pyrolysis of Woody Biomass over Mesoporous Fluidized-Bed Material. Industrial & Engineering Chemistry Research, 2009, 48, 2851-2860.	3.7	27
22	Preparation and characterization of carbonized polyimide containing palladium compounds. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 253-256.	3.5	1
23	Title is missing!. Journal of the Vacuum Society of Japan, 2008, 51, 250-253.	0.3	1
24	Effects of Nitric Acid and Heat Treatment on Hydrogen Adsorption of Single-Walled Carbon Nanotubes. Australian Journal of Chemistry, 2007, 60, 519.	0.9	22
25	Preparation of intercalation compounds of carbon fibers through electrolysis using phosphoric acid electrolyte and their exfoliation. Journal of Physics and Chemistry of Solids, 2006, 67, 1178-1181.	4.0	14
26	Reversible adsorption/desorption property of hydrogen on carbon surface. Carbon, 2005, 43, 3037-3039.	10.3	29
27	XRD analysis of carbon stacking structure in coal during heat treatment. Fuel, 2004, 83, 2427-2433.	6.4	350
28	Adsorptive hydrogen storage in carbon and porous materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 143-147.	3.5	154
29	Gas separation properties of molecular sieving carbon membranes with nanopore channels. Carbon, 2004, 42, 1169-1173.	10.3	66
30	Hydrogen adsorption properties of activated carbons with modified surfaces. Journal of Alloys and Compounds, 2004, 385, 257-263.	5.5	83
31	Hydrogen Adsorption/Desorption Property of Activated Carbon Loaded with Platinum. Chemistry Letters, 2004, 33, 1220-1221.	1.3	17
32	Electric Double Layer Capacitors made by Exfoliated Carbon Fibers. Tanso, 2003, 2003, 225-230.	0.1	3
33	Catalytic Hydrogenation of Extracts from Coal and Their Thermal Reactivity. Energy & Fuels, 2002, 16, 12-17.	5.1	5
34	Relationship between Pyrolysis Reactivity and Aromatic Structure of Coal. Energy & Fuels, 2000, 14, 646-653.	5.1	27
35	Analysis for Initial Stage Reaction of Coal Pyrolysis by Molecular Orbital Calculation.. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2000, 79, 511-521.	0.2	3
36	Effects of Coal Structures on Denitrogenation during Flash Pyrolysis. Energy & Fuels, 1999, 13, 934-940.	5.1	20

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37	Effects of Solvents on the Hydrogenation of Mono-Aromatic Compounds Using Noble-Metal Catalysts. Energy & Fuels, 1999, 13, 1191-1196.	5.1	57
38	Structural Changes of Alcohol-Solubilized Yallourn Coal in the Hydrogenation over a Ru/Al ₂ O ₃ Catalyst. Energy & Fuels, 1998, 12, 503-511.	5.1	15