

Hideyuki Takagi

List of Publications by Year in descending order

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38
papers

1,464
citations

471509

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330143

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all docs

38
docs citations

38
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	XRD analysis of carbon stacking structure in coal during heat treatment. <i>Fuel</i> , 2004, 83, 2427-2433.	6.4	350
2	High-Power Supercapacitor Electrodes from Single-Walled Carbon Nanohorn/Nanotube Composite. <i>ACS Nano</i> , 2011, 5, 811-819.	14.6	251
3	Adsorptive hydrogen storage in carbon and porous materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 108, 143-147.	3.5	154
4	Atmospheric-pressure nonthermal plasma synthesis of ammonia over ruthenium catalysts. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600157.	3.0	109
5	Hydrogen adsorption properties of activated carbons with modified surfaces. <i>Journal of Alloys and Compounds</i> , 2004, 385, 257-263.	5.5	83
6	Gas separation properties of molecular sieving carbon membranes with nanopore channels. <i>Carbon</i> , 2004, 42, 1169-1173.	10.3	66
7	Effects of Solvents on the Hydrogenation of Mono-Aromatic Compounds Using Noble-Metal Catalysts. <i>Energy & Fuels</i> , 1999, 13, 1191-1196.	5.1	57
8	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
9	Reversible adsorption/desorption property of hydrogen on carbon surface. <i>Carbon</i> , 2005, 43, 3037-3039.	10.3	29
10	Relationship between Pyrolysis Reactivity and Aromatic Structure of Coal. <i>Energy & Fuels</i> , 2000, 14, 646-653.	5.1	27
11	Cracking and Coking Behaviors of Nascent Volatiles Derived from Flash Pyrolysis of Woody Biomass over Mesoporous Fluidized-Bed Material. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 2851-2860.	3.7	27
12	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
13	Effects of Nitric Acid and Heat Treatment on Hydrogen Adsorption of Single-Walled Carbon Nanotubes. <i>Australian Journal of Chemistry</i> , 2007, 60, 519.	0.9	22
14	Effects of Coal Structures on Denitrogenation during Flash Pyrolysis. <i>Energy & Fuels</i> , 1999, 13, 934-940.	5.1	20
15	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
16	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
17	Hydrogen Adsorption/Desorption Property of Activated Carbon Loaded with Platinum. <i>Chemistry Letters</i> , 2004, 33, 1220-1221.	1.3	17
18	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

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19	Structural Changes of Alcohol-Solubilized Yallourn Coal in the Hydrogenation over a Ru/Al ₂ O ₃ Catalyst. <i>Energy & Fuels</i> , 1998, 12, 503-511.	5.1	15
20	Preparation of intercalation compounds of carbon fibers through electrolysis using phosphoric acid electrolyte and their exfoliation. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1178-1181.	4.0	14
21	Energy Efficient and Intermittently Variable Ammonia Synthesis over Mesoporous Carbon-Supported Cs-Ru Nanocatalysts. <i>Catalysts</i> , 2019, 9, 406.	3.5	14
22	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
23	Unraveling the active sites of Cs-promoted Ru/Al ₂ O ₃ catalysts for ammonia synthesis. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121269.	20.2	12
24	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
25	Surplus adsorption of bromide ion into Ñ-conjugated carbon nanospaces assisted by proton coadsorption. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 415-418.	9.4	10
26	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
27	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
28	A super-growth carbon nanotubes-supported, Cs-promoted Ru catalyst for 0.1 MPa ammonia synthesis. <i>Journal of Catalysis</i> , 2022, 413, 623-635.	6.2	8
29	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
30	Catalytic Hydrogenation of Extracts from Coal and Their Thermal Reactivity. <i>Energy & Fuels</i> , 2002, 16, 12-17.	5.1	5
31	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
32	Comparison of Co Particle Catalysts and 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
33	Analysis for Initial Stage Reaction of Coal Pyrolysis by Molecular Orbital Calculation.. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2000, 79, 511-521.	0.2	3
34	Electric Double Layer Capacitors made by Exfoliated Carbon Fibers. <i>Tanso</i> , 2003, 2003, 225-230.	0.1	3
35	Preparation and characterization of carbonized polyimide containing palladium compounds. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 148, 253-256.	3.5	1
36	Adsorption Properties of Surface Modified Carbons with Metal Nanoparticles. <i>Journal of Nano Research</i> , 2010, 11, 125-129.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Journal of the Vacuum Society of Japan, 2008, 51, 250-253.	0.3	1
38	Back Cover: Plasma Process. Polym. 6 th •2017. Plasma Processes and Polymers, 2017, 14, 1770010.	3.0	0