

Shinichi Hata

List of Publications by Year in descending order

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29
papers

579
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759233

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29
all docs

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29
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	In situ nanopores enrichment of Mesh-like palladium nanoplates for bifunctional fuel cell reactions: A joint etching strategy. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 523-532.	9.4	71
2	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. <i>Energy Material Advances</i> , 2022, 2022, .	11.0	11
3	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. <i>Materials Advances</i> , 2022, 3, 373-380.	5.4	6
4	Surfactant-Wrapped n-Type Organic Thermoelectric Carbon Nanotubes for Long-Term Air Stability and Power Characteristics. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1153-1162.	4.3	14
5	Synthesis of bulk vanadium oxide with a large surface area using organic acids and its low-temperature NH ₃ -SCR activity. <i>Catalysis Today</i> , 2021, 376, 188-196.	4.4	11
6	Bulk tungsten-substituted vanadium oxide for low-temperature NO _x removal in the presence of water. <i>Nature Communications</i> , 2021, 12, 557.	12.8	92
7	Characterizing the degeneration of nuclear membrane and mitochondria of adipose-derived mesenchymal stem cells from patients with type II diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 4298-4306.	3.6	8
8	Enhancement of p-type thermoelectric power factor by low-temperature calcination in carbon nanotube thermoelectric films containing cyclodextrin polymer and Pd. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	13
9	n-Type carbon nanotube sheets for high in-plane ZT values in double-doped electron-donating graft copolymers containing diphenylhydrazines. <i>Polymer Journal</i> , 2021, 53, 1281-1286.	2.7	6
10	Pd nanoparticles on zeolite imidazolid framework-8: Preparation, characterization, and evaluation of fixed-bed hydrogenation activity toward isomeric nitrophenols. <i>Colloids and Interface Science Communications</i> , 2021, 43, 100446.	4.1	2
11	Durable n-type carbon nanotubes double-doped with 1,8-diazabicyclo[5.4.0]undec-7-ene and polyamidoamine dendrimers. <i>Diamond and Related Materials</i> , 2021, 120, 108656.	3.9	5
12	Development of carbon nanotube organic thermoelectric materials using cyclodextrin polymer: control of semiconductor characteristics by the solvent effect. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDD05.	1.5	13
13	Improved Thermoelectric Behavior of Super-Growth Carbon Nanotube Using Tetrathiafulvalene-Tetracyanoquinodimethane Nanoparticles. <i>Materials Science Forum</i> , 2020, 990, 209-214.	0.3	1
14	Characterization and Thermoelectric Behavior of Super-growth Carbon Nanotube Films Co-loaded with ZnO and Ag Colloids. <i>Electrochemistry</i> , 2020, 88, 356-358.	1.4	0
15	Highly-stable n-type Carbon Nanotube Material under Accelerated Aging Conditions: Conjunctive Effect of Hydrazine Derivatives and Commodity Polymers. <i>Chemistry Letters</i> , 2019, 48, 1109-1111.	1.3	7
16	Bulk Vanadium Oxide versus Conventional V ₂ O ₅ /TiO ₂ : NH ₃ -SCR Catalysts Working at a Low Temperature Below 150 Å°C. <i>ACS Catalysis</i> , 2019, 9, 9327-9331.	11.2	82
17	Preparation of Ga-ZnO Nanoparticles Using Microwave and Ultrasonic Irradiation, and the Application of Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) Hybrid Thermoelectric Films. <i>ChemistrySelect</i> , 2019, 4, 6800-6804.	1.5	6
18	Electrochemical hydrogenation of non-aromatic carboxylic acid derivatives as a sustainable synthesis process: from catalyst design to device construction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5882-5889.	2.8	27

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19	Low-temperature NH ₃ -SCR Activity of Nanoparticulate Gold Supported on a Metal Oxide. Journal of the Japan Petroleum Institute, 2019, 62, 234-243.	0.6	6
20	Catalytic enhancement on Ti-Zr complex oxide particles for electrochemical hydrogenation of oxalic acid to produce an alcoholic compound by controlling electronic states and oxide structures. Catalysis Science and Technology, 2019, 9, 6561-6565.	4.1	18
21	Carbon-neutral energy cycles using alcohols. Science and Technology of Advanced Materials, 2018, 19, 142-152.	6.1	29
22	A zeolitic vanadotungstate family with structural diversity and ultrahigh porosity for catalysis. Nature Communications, 2018, 9, 3789.	12.8	30
23	Improved Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Using Poly(<i>N</i> -vinyl-2-pyrrolidone)-coated GeO ₂ Nanoparticles. Chemistry Letters, 2017, 46, 933-936.	1.3	12
24	Direct Power Charge and Discharge Using the Glycolic Acid/Oxalic Acid Redox Couple toward Carbon-Neutral Energy Circulation. ECS Transactions, 2017, 75, 17-21.	0.5	1
25	Electrochemical Production of Glycolic Acid from Oxalic Acid Using a Polymer Electrolyte Alcohol Electrosynthesis Cell Containing a Porous TiO ₂ Catalyst. Scientific Reports, 2017, 7, 17032.	3.3	34
26	Hydrogenation of oxalic acid using light-assisted water electrolysis for the production of an alcoholic compound. Green Chemistry, 2016, 18, 3700-3706.	9.0	26
27	Control of Dual Stimuli-Responsive Vesicle Formation in Aqueous Solutions of Single-Tailed Ferrocenyl Surfactant by Varying pH and Redox Conditions. Journal of Oleo Science, 2014, 63, 239-248.	1.4	6
28	Unusual viscoelasticity behaviour in aqueous solutions containing a photoresponsive amphiphile. Journal of Colloid and Interface Science, 2013, 407, 370-374.	9.4	30
29	Addition of ascorbic acid to the extracellular environment activates lipoplexes of a ferrocenyl lipid and promotes cell transfection. Journal of Controlled Release, 2012, 157, 249-259.	9.9	12