Shinichi Hata

List of Publications by Year
in descending order

29 papers	579 citations	759233 12 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	500 citing authors

#	Article	IF	Citations
1	Bulk tungsten-substituted vanadium oxide for low-temperature NOx removal in the presence of water. Nature Communications, 2021, 12, 557.	12.8	92
2	Bulk Vanadium Oxide versus Conventional V₂O₅/TiO₂: NH₃â€“SCR Catalysts Working at a Low Temperature Below 150 Â°C. ACS Catalysis, 2019, 9, 9327-9331.	11.2	82
3	In situ nanopores enrichment of Mesh-like palladium nanoplates for bifunctional fuel cell reactions: A joint etching strategy. Journal of Colloid and Interface Science, 2022, 611, 523-532.	9.4	71
4	Electrochemical Production of Glycolic Acid from Oxalic Acid Using a Polymer Electrolyte Alcohol Electrosynthesis Cell Containing a Porous TiO2 Catalyst. Scientific Reports, 2017, 7, 17032.	3.3	34
5	Unusual viscoelasticity behaviour in aqueous solutions containing a photoresponsive amphiphile. Journal of Colloid and Interface Science, 2013, 407, 370-374.	9.4	30
6	A zeolitic vanadotungstate family with structural diversity and ultrahigh porosity for catalysis. Nature Communications, 2018, 9, 3789.	12.8	30
7	Carbon-neutral energy cycles using alcohols. Science and Technology of Advanced Materials, 2018, 19, 142-152.	6.1	29
8	Electrochemical hydrogenation of non-aromatic carboxylic acid derivatives as a sustainable synthesis process: from catalyst design to device construction. Physical Chemistry Chemical Physics, 2019, 21, 5882-5889.	2.8	27
9	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
10	Catalytic enhancement on Tiâ€“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
11	Surfactant-Wrapped n-Type Organic Thermoelectric Carbon Nanotubes for Long-Term Air Stability and Power Characteristics. ACS Applied Electronic Materials, 2022, 4, 1153-1162.	4.3	14
12	Development of carbon nanotube organic thermoelectric materials using cyclodextrin polymer: control of semiconductor characteristics by the solvent effect. Japanese Journal of Applied Physics, 2020, 59, SDDD05.	1.5	13
13	Enhancement of p-type thermoelectric power factor by low-temperature calcination in carbon nanotube thermoelectric films containing cyclodextrin polymer and Pd. Applied Physics Letters, 2021, 118, .	3.3	13
14	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
15	Improved Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Using Poly(<i>N</i>-vinyl-2-pyrrolidone)-coated GeO₂ Nanoparticles. Chemistry Letters, 2017, 46, 933-936.	1.3	12
16	Synthesis of bulk vanadium oxide with a large surface area using organic acids and its low-temperature NH3-SCR activity. Catalysis Today, 2021, 376, 188-196.	4.4	11
17	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. Energy Material Advances, 2022, 2022, .	11.0	11
18	Characterizing the degeneration of nuclear membrane and mitochondria of adiposeâ€derived mesenchymal stem cells from patients with type II diabetes. Journal of Cellular and Molecular Medicine, 2021, 25, 4298-4306.	3.6	8

#	Article	IF	Citations
19	Highly-stable n-type Carbon Nanotube Material under Accelerated Aging Conditions: Conjunctive Effect of Hydrazine Derivatives and Commodity Polymers. Chemistry Letters, 2019, 48, 1109-1111.	1.3	7
20	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
21	Preparation of Gaâ€ZnO Nanoparticles Using Microwave and Ultrasonic Irradiation, and the Application of Poly(3,4â€ethylenedioxythiophene)â€poly(styrenesulfonate) Hybrid Thermoelectric Films. ChemistrySelect, 2019, 4, 6800-6804.	1.5	6
22	Low-temperature NH₃-SCR Activity of Nanoparticulate Gold Supported on a Metal Oxide. Journal of the Japan Petroleum Institute, 2019, 62, 234-243.	0.6	6
23	n-Type carbon nanotube sheets for high in-plane ZT values in double-doped electron-donating graft copolymers containing diphenylhydrazines. Polymer Journal, 2021, 53, 1281-1286.	2.7	6
24	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. Materials Advances, 2022, 3, 373-380.	5.4	6
25	Durable n-type carbon nanotubes double-doped with 1,8-diazabicyclo[5.4.0]undec-7-ene and polyamidoamine dendrimers. Diamond and Related Materials, 2021, 120, 108656.	3.9	5
26	Pd nanoparticles on zeolite imidazolide framework-8: Preparation, characterization, and evaluation of fixed-bed hydrogenation activity toward isomeric nitrophenols. Colloids and Interface Science Communications, 2021, 43, 100446.	4.1	2
27	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
28	Improved Thermoelectric Behavior of Super-Growth Carbon Nanotube Using Tetrathiafulvalene-Tetracyanoquinodimethane Nanoparticles. Materials Science Forum, 2020, 990, 209-214.	0.3	1
29	Characterization and Thermoelectric Behavior of Super-growth Carbon Nanotube Films Co-loaded with ZnO and Ag Colloids. Electrochemistry, 2020, 88, 356-358.	1.4	0