

Shinya Yamanaka

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,527
citations

687363

13
h-index

302126

39
g-index

56
all docs

56
docs citations

56
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Key particle properties of shells for cadmium chemisorption. <i>Chemosphere</i> , 2022, 287, 132257.	8.2	7
2	Characterization of submicro-sized Ag/ZnO particles generated using the spray pyrolysis method. <i>Advanced Powder Technology</i> , 2022, 33, 103525.	4.1	5
3	Kinetics of amyloid accumulation in physiological viscosity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112449.	5.0	0
4	Difference in cadmium chemisorption on calcite and vaterite porous particles. <i>Chemosphere</i> , 2022, 297, 134057.	8.2	9
5	Modulating the Pore Architecture of Ice-Templated Dextran Microparticles Using Molecular Weight and Concentration. <i>Langmuir</i> , 2022, 38, 6741-6751.	3.5	3
6	Farm use of calcium hydroxide as an effective barrier against pathogens. <i>Scientific Reports</i> , 2021, 11, 7941.	3.3	14
7	Magnetorheological Fluids with Surface-Modified Iron Oxide Magnetic Particles with Controlled Size and Shape. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20581-20588.	8.0	15
8	Evaluation of photocatalysis of Au supported ZnO prepared by the spray pyrolysis method. <i>Advanced Powder Technology</i> , 2021, 32, 1619-1626.	4.1	14
9	Pure hydroxyapatite synthesis originating from amorphous calcium carbonate. <i>Scientific Reports</i> , 2021, 11, 11546.	3.3	16
10	Catalytic deoxygenation of triglyceride into drop-in fuel under hydrothermal condition with the help of in-situ hydrogen production by APR of glycerol by-produced. <i>Fuel Processing Technology</i> , 2021, 217, 106831.	7.2	7
11	Reduction of formaldehyde emission from urea-formaldehyde resin with a small quantity of graphene oxide. <i>RSC Advances</i> , 2021, 11, 32830-32836.	3.6	4
12	Water-assisted synthesis of mesoporous calcium carbonate with a controlled specific surface area and its potential to ferulic acid release. <i>RSC Advances</i> , 2020, 10, 28019-28025.	3.6	8
13	Design of calcium hydroxide-based granules for livestock sanitation. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 2, 100005.	6.1	3
14	Embedding Fe ₃ O ₄ Nano-particles in Mesoporous Silica SBA15 and Catalytic Application of the Prepared Composite. <i>Journal of the Society of Powder Technology, Japan</i> , 2020, 57, 80-87.	0.1	0
15	Preparation of concentrated multilayer graphene dispersions and TiO ₂ -graphene composites for enhanced hydrogen production. <i>Diamond and Related Materials</i> , 2019, 98, 107516.	3.9	1
16	Production Mechanism of Fine Particles with High Specific Surface Area through Water Addition to the Ground Products. <i>Journal of the Society of Powder Technology, Japan</i> , 2019, 56, 501-504.	0.1	0
17	Template-free synthesis and particle size control of mesoporous calcium carbonate. <i>Advanced Powder Technology</i> , 2018, 29, 606-610.	4.1	8
18	Morphological and Structural Changes in Microcrystalline Cellulose from OPEFB by Mechanical Grinding. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 166, 012001.	0.3	2

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19	Soybean oil methanolysis over scallop shell-derived CaO prepared via methanol-assisted dry nano-grinding. <i>Advanced Powder Technology</i> , 2017, 28, 1627-1635.	4.1	9
20	Reduction of formaldehyde emission from plywood using composite resin composed of resorcinolâ€“formaldehyde and urea-modified scallop shell nanoparticles. <i>Wood Science and Technology</i> , 2017, 51, 297-308.	3.2	12
21	Production of Single- and Few-Layer Graphene from Graphite. , 2017, , 91-101.		0
22	Evaluation of Aerosol Penetration through a Cylindrical Tube by Langevin Dynamic. <i>Kagaku Kogaku Ronbunshu</i> , 2017, 43, 281-288.	0.3	2
23	Measurement and Estimation of the Particle Size Distribution by the Buoyancy Weighingâ€“Bar Method and the Rosinâ€“Rammler Equation. <i>Journal of Chemical Engineering of Japan</i> , 2016, 49, 229-233.	0.6	9
24	Microstructure Control of Calcium Carbonate by Colloid Process. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2015, 23, 193-195.	0.0	0
25	Phase transformation of mesoporous calcium carbonate by mechanical stirring. <i>CrystEngComm</i> , 2015, 17, 1773-1777.	2.6	16
26	Modeling of Aerosol Diffusion by Langevin Dynamics Equation. <i>Journal of the Society of Powder Technology, Japan</i> , 2015, 52, 196-203.	0.1	0
27	Production of Scallop Shell Fine Particles for Harmful Gas Adsorbent. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2015, 23, 153-157.	0.0	0
28	Growth and Transformation of <i>Spirulina platensis</i> by Calcium Ion-Deficient Medium. <i>Kagaku Kogaku Ronbunshu</i> , 2014, 40, 35-37.	0.3	2
29	Scalable and template-free production of mesoporous calcium carbonate and its potential to formaldehyde adsorbent. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	25
30	Reduction of Formaldehyde Emission from Plywood Adhesive Filling a Ground Scallop Shell. <i>Journal of the Society of Powder Technology, Japan</i> , 2014, 51, 400-406.	0.1	2
31	Modeling of Brownian Diffusion of Aerosol by Langevin Dynamics. <i>Kagaku Kogaku Ronbunshu</i> , 2014, 40, 286-291.	0.3	3
32	Production of scallop shell nanoparticles by mechanical grinding as a formaldehyde adsorbent. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	16
33	One-step synthesis of magnetic ironâ€“conducting polymerâ€“palladium ternary nanocomposite microspheres with applications as a recyclable catalyst. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4427.	10.3	22
34	Synthesis of Fine Particles by Arc Plasma Method and their Application to Functional Fluids. <i>Journal of the Adhesion Society of Japan</i> , 2013, 49, 177-182.	0.0	0
35	Production of thin graphite sheets for a high electrical conductivity film by the mechanical delamination of ternary graphite intercalation compounds. <i>Carbon</i> , 2012, 50, 5027-5033.	10.3	8
36	Colloidal dispersibility of fatty acid-capped iron nanoparticles and its effect on static and dynamic magnetorheological response. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 239-246.	4.7	14

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37	Heterogeneous nucleation and growth mechanism on hydrophilic and hydrophobic surface. Advanced Powder Technology, 2012, 23, 268-272.	4.1	22
38	Characterization of Conductivity of Graphite-phenolic Resin Composite and its Application to Heating Plywood. Journal of the Society of Powder Technology, Japan, 2011, 49, 164-170.	0.1	6
39	Solid electrolyte films in controlling their structures by electrophoretic deposition method. Advanced Powder Technology, 2011, 22, 682-687.	4.1	2
40	Preparation of porous particles by liquid-liquid interfacial crystallization. Advanced Powder Technology, 2011, 22, 125-130.	4.1	28
41	Heterogeneous Nucleation and Growth Mechanism on Hydrophilic and Hydrophobic Surface. Journal of the Society of Powder Technology, Japan, 2010, 47, 184-189.	0.1	0
42	Molecular dynamics simulations of the formation for NaCl cluster at the interface between the supersaturated solution and the substrate. Journal of Nanoparticle Research, 2010, 12, 831-839.	1.9	11
43	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494.	4.1	67
44	Diffusion behavior in a liquid-liquid interfacial crystallization by molecular dynamics simulations. Journal of Chemical Physics, 2009, 131, 174707.	3.0	12
45	Heterogeneous catalysis of calcium oxide used for transesterification of soybean oil with refluxing methanol. Applied Catalysis A: General, 2009, 355, 94-99.	4.3	201
46	AFM Investigation for the Initial Growth Processes of Calcium Carbonate on Hydrophilic and Hydrophobic Substrate. Crystal Growth and Design, 2009, 9, 3245-3250.	3.0	18
47	Solid Electrolyte Films in Controlling their Structures by Electrophoretic Deposition Method. Journal of the Society of Powder Technology, Japan, 2009, 46, 236-243.	0.1	0
48	Solid Base Catalysis of Calcium Oxide for a Reaction to Convert Vegetable Oil into Biodiesel. Journal of the Society of Powder Technology, Japan, 2009, 46, 408-415.	0.1	1
49	Effect of Surface and Interface Structures on Hydrogenation Characteristics in Ti-Ni Hydrogen Storage Materials. Journal of the Society of Powder Technology, Japan, 2009, 46, 704-709.	0.1	2
50	Crystallization of Silver Nano-particles onto TiO ₂ Photocatalyst under Reducible Condition. Journal of the Society of Powder Technology, Japan, 2009, 46, 584-590.	0.1	1
51	Diffusion and Cluster Formation near NaCl Solution/Organic Solvent Interface in a Crystallization Process. Journal of Chemical Engineering of Japan, 2009, 42, 346-350.	0.6	5
52	Active phase of calcium oxide used as solid base catalyst for transesterification of soybean oil with refluxing methanol. Applied Catalysis A: General, 2008, 334, 357-365.	4.3	272
53	Calcium oxide as a solid base catalyst for transesterification of soybean oil and its application to biodiesel production. Fuel, 2008, 87, 2798-2806.	6.4	607
54	Hosokawa Powder Technology Foundation ANNUAL REPORT, 2008.		

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55	Development of Biodiesel Production Technology from Waste Cooking Oil with Calcium Oxide as Solid Base Catalyst. Journal of the Japan Petroleum Institute, 2007, 50, 79-86.	0.6	10
56	Catalysis by CaO/SiO ₂ Composite Particle for Biodiesel Production. Kagaku Kogaku Ronbunshu, 2007, 33, 483-489.	0.3	6