

Tetsuya Yamamoto

List of Publications by Citations

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120
papers

1,414
citations

20
h-index

33
g-index

121
ext. papers

1,594
ext. citations

4
avg, IF

5.12
L-index

#	Paper	IF	Citations
120	Controlled synthesis of high performance polyamide membrane with thin dense layer for water desalination. <i>Journal of Membrane Science</i> , 2010 , 362, 76-80	9.6	144
119	Overview of automotive structural composites technology developments in Japan. <i>Composites Science and Technology</i> , 2018 , 155, 221-246	8.6	142
118	Growth mechanism of soap-free polymerization of styrene investigated by AFM. <i>Journal of Colloid and Interface Science</i> , 2006 , 297, 112-21	9.3	54
117	Effect of apex cone shape on fine particle classification of gas-cyclone. <i>Powder Technology</i> , 2010 , 204, 54-62	5.2	48
116	Synthesis of micron-sized polymeric particles in soap-free emulsion polymerization using oil-soluble initiators and electrolytes. <i>Colloid and Polymer Science</i> , 2012 , 290, 1023-1031	2.4	45
115	Utilization of NaCl for phillipsite synthesis from fly ash by hydrothermal treatment with microwave heating. <i>Advanced Powder Technology</i> , 2009 , 20, 35-40	4.6	41
114	Effects of microwave irradiation on the crystalline phase of zeolite synthesized from fly ash by hydrothermal treatment. <i>Advanced Powder Technology</i> , 2007 , 18, 381-393	4.6	35
113	Molecular-scale observation of the surface of polystyrene particles by AFM. <i>Journal of Colloid and Interface Science</i> , 2005 , 292, 392-6	9.3	32
112	Controlling of the interfacial shear strength between thermoplastic resin and carbon fiber by adsorbing polymer particles on carbon fiber using electrophoresis. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 88, 75-78	8.4	32
111	Molecular-scale observation of formation of nuclei in soap-free polymerization of styrene. <i>Langmuir</i> , 2004 , 20, 4400-5	4	31
110	Improvement of gas-cyclone performance by use of local fluid flow control method. <i>Powder Technology</i> , 2009 , 193, 6-14	5.2	29
109	Effect of conical length on separation performance of sub-micron particles by electrical hydro-cyclone. <i>Powder Technology</i> , 2012 , 219, 29-36	5.2	26
108	Effect of multi-inlet flow on particle classification performance of hydro-cyclones. <i>Powder Technology</i> , 2008 , 184, 352-360	5.2	25
107	Initial growth process of polystyrene particle investigated by AFM. <i>Journal of Colloid and Interface Science</i> , 2006 , 299, 493-6	9.3	25
106	Effect of electrolyte species on size of particle through soap-free emulsion polymerization of styrene using AIBN and electrolyte. <i>Colloid and Polymer Science</i> , 2015 , 293, 1003-1006	2.4	24
105	Soap-free emulsion polymerization of aromatic vinyl monomer using AIBN. <i>Colloid and Polymer Science</i> , 2012 , 290, 1833-1835	2.4	24
104	Hydrodynamic boundary condition of water on hydrophobic surfaces. <i>Physical Review E</i> , 2013 , 87, 051001.4		24

103	Improved mechanical properties of PMMA composites: Dispersion, diffusion and surface adhesion of recycled carbon fiber fillers from CFRP with adsorbed particulate PMMA. <i>Advanced Powder Technology</i> , 2017 , 28, 2774-2778	4.6	22
102	AFM Observation of Growing Poly Isobutyl Methacrylate (PiBMA) Particles. <i>Chemistry Letters</i> , 2004 , 33, 1440-1441	1.7	22
101	Synthesis of nearly micron-sized particles by soap-free emulsion polymerization of methacrylic monomer using an oil-soluble initiator. <i>Colloid and Polymer Science</i> , 2013 , 291, 2741-2744	2.4	21
100	Relationship between surface potential and particle size in soap-free emulsion copolymerization of styrene and methyl methacrylate using a water- or oil-soluble initiator. <i>Colloid and Polymer Science</i> , 2016 , 294, 281-284	2.4	19
99	Separation performance of sub-micron silica particles by electrical hydrocyclone. <i>Powder Technology</i> , 2009 , 196, 147-155	5.2	18
98	Effect of free air inflow method on fine particle classification of gas-cyclone. <i>Separation and Purification Technology</i> , 2013 , 118, 670-679	8.3	17
97	Enhancement of bending strength, thermal stability and recyclability of carbon-fiber-reinforced thermoplastics by using silica colloids. <i>Composites Science and Technology</i> , 2019 , 181, 107665	8.6	15
96	Elaborate Classification of Flyash Particles by Bench Scale Air Cyclone.. <i>Kagaku Kogaku Ronbunshu</i> , 1997 , 23, 363-370	0.4	15
95	Particle size control in the soap-free emulsion polymerization of styrene by an oil-soluble initiator with a weakly acidic water-soluble initiator. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 502, 1-5	5.1	15
94	Influence of inlet flow rate, pH, and beads mill operating condition on separation performance of sub-micron particles by electrical hydrocyclone. <i>Advanced Powder Technology</i> , 2010 , 21, 246-255	4.6	14
93	Nucleation and Growth Process of Polystyrene Particle Investigated by AFM. <i>Journal of Chemical Engineering of Japan</i> , 2006 , 39, 596-603	0.8	14
92	Improvement of particle separation performance by new type hydro cyclone. <i>Separation and Purification Technology</i> , 2016 , 158, 223-229	8.3	13
91	Enhancement of surface adhesion between thermoplastic resin and carbon fiber using polymer colloids 2017 , 93, 943-948		12
90	Dispersion of carbon nanofibers modified with polymer colloids to enhance mechanical properties of PVA nanocomposite film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 556, 248-252	5.1	12
89	A polymer colloidal technique for enhancing bending properties of carbon fiber-reinforced thermoplastics using nylon modifier. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 250-254	8.4	12
88	Effect of Counter Ionic Radius in Initiator on Particle Size in Soap-free Emulsion Polymerization of Styrene. <i>Chemistry Letters</i> , 2015 , 44, 824-825	1.7	12
87	Synthesis of indium tin oxide powder by solid-phase reaction with microwave heating. <i>Advanced Powder Technology</i> , 2009 , 20, 488-492	4.6	12
86	Classification of particles by centrifugal separator and analysis of the fluid behavior. <i>Advanced Powder Technology</i> , 2011 , 22, 294-299	4.6	12

85	AFM investigation of the surface properties of silica particles dispersed by bead milling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 362, 97-101	5.1	12
84	Growth processes of poly methylmethacrylate particles investigated by atomic force microscopy. <i>Advanced Powder Technology</i> , 2007 , 18, 567-577	4.6	12
83	Antimicrobial activities of low molecular weight polymers synthesized through soap-free emulsion polymerization. <i>European Polymer Journal</i> , 2018 , 109, 532-536	5.2	12
82	Phase separation driven by production of architectural RNA transcripts. <i>Soft Matter</i> , 2020 , 16, 4692-4698	3.6	11
81	Mechanism of synthesis of metallic oxide powder from aqueous metallic nitrate solution by microwave denitration method. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 1-8	14.7	11
80	Continuous fine particle classification by water elutriator with applied electro-potential. <i>Advanced Powder Technology</i> , 2009 , 20, 398-405	4.6	11
79	Design of polymer particles maintaining dispersion stability for the synthesis of hollow silica particles through sol-gel reaction on polymer surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 553, 66-70	5.1	11
78	Synthesis of composite polymer particles with carbon nanotubes and evaluation of their mechanical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 529, 765-770	5.1	10
77	Synthesis of hydrocolloid through polymerization of styrene and N-vinyl acetamide by AIBN. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 516, 80-84	5.1	10
76	Classification of Particles Dispersed by Bead Milling Using Electrical Field-Flow Fractionation. <i>Journal of Chemical Engineering of Japan</i> , 2009 , 42, 720-727	0.8	10
75	Synthesis of calcium phosphate hydrogel from waste incineration fly ash and bone powder. <i>Journal of Hazardous Materials</i> , 2009 , 163, 391-5	12.8	10
74	Effect of the Amount of π Electrons in Aromatic Monomer on the Surface Potential of Polymeric Particles Obtained through Soap-free Emulsion Polymerization Using AIBN. <i>Chemistry Letters</i> , 2015 , 44, 1555-1556	1.7	9
73	Effect of inner structure of centrifugal separator on particle classification performance. <i>Powder Technology</i> , 2009 , 192, 268-272	5.2	9
72	Particle size measurement of standard reference particle candidates and theoretical estimation of uncertainty region. <i>Advanced Powder Technology</i> , 2009 , 20, 145-149	4.6	9
71	Large Network Swelling and Solvent Redistribution Are Necessary for Polymer Gels to Show Negative Normal Stress. <i>ACS Macro Letters</i> , 2017 , 6, 512-514	6.6	8
70	Effect of packing fraction on indium tin oxide powder synthesis via a solid-phase reaction with microwave heating. <i>Chemical Engineering Science</i> , 2013 , 98, 17-24	4.4	8
69	Performance of fuel cell using calcium phosphate hydrogel membrane prepared from waste incineration fly ash and chicken bone powder. <i>Journal of Hazardous Materials</i> , 2009 , 168, 1617-21	12.8	8
68	Surfactant-Free Decellularization of Porcine Aortic Tissue by Subcritical Dimethyl Ether. <i>ACS Omega</i> , 2021 , 6, 13417-13425	3.9	8

67	Enhancement of mechanical properties of carbon fiber reinforced thermoplastic using colloidal techniques. <i>Procedia Manufacturing</i> , 2018 , 15, 1738-1745	1.5	8
66	Antimicrobial Activities of Polymers Synthesized through Soap-free Emulsion Polymerization Using a Cationic Initiator and Styrene Derivative Monomers. <i>Chemistry Letters</i> , 2018 , 47, 1402-1404	1.7	8
65	In-situ Adsorption of Polymer Particles on Multi-wall Carbon Nanotubes Using Colloidal Techniques. <i>Colloids and Interface Science Communications</i> , 2017 , 20, 1-4	5.4	7
64	Theoretical calculation of uncertainty region based on the general size distribution in the preparation of standard reference particles for particle size measurement. <i>Advanced Powder Technology</i> , 2012 , 23, 185-190	4.6	7
63	Molecular-scale investigation of polymerization, nucleation, and growth of polystyrene particle by atomic force microscopy. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008 , 3, 239-249	1.3	7
62	Effect of new blade of centrifugal separator on particle separation performance. <i>Separation and Purification Technology</i> , 2016 , 162, 120-126	8.3	6
61	Effects of clean-air injection on particle-separation performance of novel cyclone with sintered metal cone. <i>Separation and Purification Technology</i> , 2011 , 80, 356-363	8.3	6
60	Continuous Fine Particle Classification by Water-Elutriator with Applied Electro-potential. <i>Journal of the Society of Powder Technology, Japan</i> , 2006 , 43, 550-558	0.3	6
59	Origin of the apparent long-range attractive force between surfaces in cyclohexane. <i>Advanced Powder Technology</i> , 2002 , 13, 149-156	4.6	6
58	Anomalous particle through soap-free emulsion polymerization of styrene using oil-soluble initiator. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	5
57	Size Control of Polymeric Particle in Soap-Free Emulsion Polymerization. <i>KONA Powder and Particle Journal</i> , 2018 , 35, 66-79	3.4	5
56	Synthesis of dimpled and submicron-sized polymer particles of different morphologies using free micromixer. <i>Colloids and Interface Science Communications</i> , 2019 , 32, 100193	5.4	5
55	Transcription dynamics stabilizes nucleus-like layer structure in chromatin brush. <i>Soft Matter</i> , 2017 , 13, 5307-5316	3.6	5
54	Simulation of Dynamic Characteristics of Closed-circuit Pulverization System.. <i>Kagaku Kogaku Ronbunshu</i> , 1999 , 25, 59-65	0.4	5
53	Enhancement of the Classification Performance of Electrical Field-Flow Fractionation Using Horizontal Electrophoresis. <i>Journal of Chemical Engineering of Japan</i> , 2011 , 44, 398-404	0.8	5
52	Effects of carbon nanofibers on carbon fiber reinforced thermoplastics made with in situ polymerizable polyamide 6. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 138, 106051	8.4	5
51	Preparation of PVA/Polymer Colloid nanocomposite Hydrogel Using PS-PNVA Particles. <i>Chemistry Letters</i> , 2019 , 48, 378-381	1.7	4
50	Particle size measurement of reference particle candidates and uncertainty region of count and mass based cumulative distribution. <i>Advanced Powder Technology</i> , 2014 , 25, 1748-1753	4.6	4

49	A new method of zeta-potential measurement by the use of the sedimentation balance method. <i>Powder Technology</i> , 2013 , 237, 303-308	5.2	4
48	Synthesis and Electrical Properties of Composite Films Comprising Polymer Particles and Carbon Nanotubes. <i>Colloids and Interface Science Communications</i> , 2017 , 20, 5-8	5.4	4
47	Classification of Particles Dispersed by Bead Milling with Electrophoresis. <i>KONA Powder and Particle Journal</i> , 2011 , 29, 125-133	3.4	4
46	Synthesis of Calcium Phosphate Hydrogel from Waste Incineration Fly Ash. <i>Kagaku Kogaku Ronbunshu</i> , 2008 , 34, 304-308	0.4	4
45	Synthesis of polystyrene@silica particles through soap-free emulsion polymerization and sol-gel reaction on polymer surfaces. <i>Advanced Powder Technology</i> , 2019 , 30, 214-218	4.6	4
44	Influence of the size of polystyrene synthesized through soap-free emulsion polymerization on antimicrobial activity. <i>Materials Today Communications</i> , 2019 , 20, 100572	2.5	3
43	Effect of Initiator Charge on Dispersion Stability of Polymer Particles Formed by Soap-free Emulsion Polymerization of 4-Vinylaniline or 4-Vinylpyridine. <i>Chemistry Letters</i> , 2019 , 48, 208-210	1.7	3
42	Relationship between dispersion-forming capability of poly(4-vinylaniline) colloids and antimicrobial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 596, 124736 ^{5.1}	5.1	3
41	Relaxation Dynamics of the Normal Stress of Polymer Gels. <i>Macromolecules</i> , 2017 , 50, 5208-5213	5.5	3
40	Synthesis of calcium phosphate hydrogel from waste incineration fly ash and its application to fuel cell. <i>Journal of Environmental Management</i> , 2009 , 90, 2709-14	7.9	3
39	Effects of Pretreatments on Calcium Phosphate Hydrogel Synthesis from Waste Incineration Fly Ash. <i>Journal of the Society of Powder Technology, Japan</i> , 2008 , 45, 684-689	0.3	3
38	Synthesis of porous carbon hollow particles maintaining their structure using hyper-cross-linked Poly(St-DVB) hollow particles. <i>Advanced Powder Technology</i> , 2020 , 31, 614-620	4.6	3
37	Creating a laminated carbon fiber-reinforced thermoplastic using polypropylene and nylon with a polypropylene colloid. <i>Composite Structures</i> , 2021 , 255, 113038	5.3	3
36	Dilution of contact frequency between superenhancers by loop extrusion at interfaces. <i>Soft Matter</i> , 2019 , 15, 7635-7643	3.6	2
35	Improved metal-resin adhesion via electroplating-induced polymer particle adsorption. <i>Surface and Coatings Technology</i> , 2020 , 388, 125591	4.4	2
34	Effect of Inlet Clean Air and Guide Plate on Fine Particle Classification of Gas-cyclone. <i>Journal of the Society of Powder Technology, Japan</i> , 2014 , 51, 614-622	0.3	2
33	Fine Particle Classification by Vertical Type Water-sieve with Electro-potential Applied to Flow. <i>Journal of the Society of Powder Technology, Japan</i> , 2014 , 51, 68-76	0.3	2
32	Improvement of Hydro-cyclone Performance by Use of Local Electrostatic Potential Field and Fluid Flow Control Method. <i>Journal of the Society of Powder Technology, Japan</i> , 2011 , 48, 526-533	0.3	2

31	Theoretical calculation of fundamental uncertainty region based on the maximum and/or the minimum size in the preparation of standard reference particles for particle size measurement. <i>Advanced Powder Technology</i> , 2011 , 22, 43-49	4.6	2
30	Centrifugal Classification of Particles and Analysis of the Fluid Dynamics. <i>Journal of the Society of Powder Technology, Japan</i> , 2007 , 44, 345-352	0.3	2
29	Experimental and Computational Study of Classification of Particles by Improved Centrifugal Separator. <i>Journal of the Society of Powder Technology, Japan</i> , 2007 , 44, 861-867	0.3	2
28	Triblock copolymer micelle model of spherical paraspeckles		2
27	Making hollows using nitrogen gas emitted by the decomposition of VAm-110 in polystyrene particles. <i>Polymer</i> , 2020 , 202, 122761	3.9	2
26	Size Control of Polystyrene Nanoparticles Synthesized in Melamine Foam. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17927-17933	3.9	2
25	Fracture strain of composite with nonuniformly distributed reinforcing fibers. <i>Journal of Rheology</i> , 2020 , 64, 933-939	4.1	1
24	Shear induced formation of lubrication layers of negative normal stress gels. <i>Soft Matter</i> , 2017 , 13, 6515-6520	3.6	1
23	Effect of Multi-Inlet Flow on Particle Classification Performance of Hydro-Cyclones and New Estimating Equation. <i>Journal of Chemical Engineering of Japan</i> , 2008 , 41, 756-765	0.8	1
22	Separation of Unburned Carbon in Fly Ash Particles Using Special Louver Separator. <i>Journal of Chemical Engineering of Japan</i> , 2011 , 44, 146-154	0.8	1
21	Paraspeckles are constructed as block copolymer micelles through microphase separation		1
20	Synthesis of Activated Carbon Using Bagasse and Recycled Carbon Fibers. <i>Chemical Engineering and Technology</i> , 2021 , 44, 1618-1622	2	1
19	Synthesis of Polystyrene Nanoparticles using Thermally Reversible Hydrogel as Polymerization Field. <i>Kagaku Kogaku Ronbunshu</i> , 2021 , 47, 11-16	0.4	1
18	Controlling Porous Hollow Silica Particles through Soap-free Emulsion Polymerization with Polymer Core Particles. <i>Chemistry Letters</i> , 2019 , 48, 1229-1231	1.7	0
17	Decomposing Oil-Soluble Initiators in Particles: A Template-Free Method for the Preparation of Hollow Polymer and Silica Particles. <i>ACS Omega</i> , 2021 , 6, 31677-31682	3.9	0
16	Stress Graphitization Behavior of c/c Composites Fabricated from Milled Short Pitch-Based Carbon Fibers and their Electrical Properties. <i>Journal of Fiber Science and Technology</i> , 2012 , 77, 296-304	0.8	0
15	Use of hollow colloids for generating nanovoids to mitigate the brittle fracture of carbon fiber-reinforced thermoplastics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106506	8.4	0
14	Nanosizing of polymeric particles by suppressing growth via heterocoagulation using a 3D micro-network reactor. <i>Powder Technology</i> , 2022 , 117530	5.2	0

13	Controlling the particle cut size of a dry cyclone using acetone. <i>Particulate Science and Technology</i> , 2017 , 35, 214-218	2
12	Development of Colloidal Technique for Enhancement of Performance of Carbon Fiber Reinforced Thermoplastic. <i>Journal of the Society of Powder Technology, Japan</i> , 2016 , 53, 785-790	0.3
11	Effect of the surface properties of particle on the classification performance of a dry-cyclone. <i>Particulate Science and Technology</i> , 2018 , 36, 46-49	2
10	Theoretical calculation of uncertainty region for spherical particles based on a picket fence, quasi-monodisperse particles. <i>Advanced Powder Technology</i> , 2014 , 25, 524-529	4.6
9	Investigation of Particle Collection and De-sulfurization Performance by Modified Axial Flow Cyclone. <i>Journal of the Society of Powder Technology, Japan</i> , 2009 , 46, 681-687	0.3
8	Structural design to enhance mechanical properties of carbon-fiber-reinforced thermoplastics using colloidal particles and soft and hard resins. <i>Composites Part C: Open Access</i> , 2021 , 6, 100211	1.6
7	Size Control of Polymer Nanoparticles Using 3D Network Structure as a Reaction Field. <i>Journal of the Society of Powder Technology, Japan</i> , 2021 , 58, 481-485	0.3
6	????????????????AFM??. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2005 , 13, 137-137	0
5	Synthesis of Porous Carbon Hollow Particles from Polymer Hollow Particles. <i>Journal of the Society of Powder Technology, Japan</i> , 2020 , 57, 412-416	0.3
4	Development of Techniques for Dispersion of Hydrophobic Powder in Water Using Particles. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2017 , 25, 113-118	0
3	Development of Novel Technique for Separation, Classification and Surface Modification of Particles using Dry-Cyclone with Mist. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2013 , 21, 101-106	0
2	Development of Multi-functional Materials Using Carbon Fibers Recycled from CFRP. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2021 , 28, 103-108	0
1	Dispersion of Nano-materials in Polymer Composite Materials. <i>MATEC Web of Conferences</i> , 2021 , 333, 11003	0.3