Tetsuya Yamamoto

List of Publications by Year
in descending order

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119 papers	1,816 citations	304602 22 h-index	345118 36 g-index
121 all docs	121 docs citations	121 times ranked	1373 citing authors

#	Article	IF	Citations
1	Nanosizing of polymeric particles by suppressing growth via heterocoagulation using a 3D micro-network reactor. Powder Technology, 2022, 405, 117530.	2.1	2
2	Creating a laminated carbon fiber-reinforced thermoplastic using polypropylene and nylon with a polypropylene colloid. Composite Structures, 2021, 255, 113038.	3.1	9
3	Dispersion of Nano-materials in Polymer Composite Materials. MATEC Web of Conferences, 2021, 333, 11003.	0.1	0
4	Synthesis of Polystyrene Nanoparticles using Thermally Reversible Hydrogel as Polymerization Field. Kagaku Kogaku Ronbunshu, 2021, 47, 11-16.	0.1	1
5	Development of Multi-functional Materials Using Carbon Fibers Recycled from CFRP. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2021, 28, 103-108.	0.0	0
6	Surfactant-Free Decellularization of Porcine Aortic Tissue by Subcritical Dimethyl Ether. ACS Omega, 2021, 6, 13417-13425.	1.6	15
7	Synthesis of Activated Carbon Using Bagasse and Recycled Carbon Fibers. Chemical Engineering and Technology, 2021, 44, 1618-1622.	0.9	5
8	Use of hollow colloids for generating nanovoids to mitigate the brittle fracture of carbon fiber-reinforced thermoplastics. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106506.	3.8	10
9	Size Control of Polymer Nanoparticles Using 3D Network Structure as a Reaction Field. Journal of the Society of Powder Technology, Japan, 2021, 58, 481-485.	0.0	0
10	Decomposing Oil-Soluble Initiators in Particles: A Template-Free Method for the Preparation of Hollow Polymer and Silica Particles. ACS Omega, 2021, 6, 31677-31682.	1.6	3
11	Structural design to enhance mechanical properties of carbon-fiber-reinforced thermoplastics using colloidal particles and soft and hard resins. Composites Part C: Open Access, 2021, 6, 100211.	1.5	1
12	Synthesis of porous carbon hollow particles maintaining their structure using hyper-cross-linked Poly(St-DVB) hollow particles. Advanced Powder Technology, 2020, 31, 614-620.	2.0	7
13	Effects of carbon nanofibers on carbon fiber reinforced thermoplastics made with in situ polymerizable polyamide 6. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106051.	3.8	12
14	Making hollows using nitrogen gas emitted by the decomposition of VAm-110 in polystyrene particles. Polymer, 2020, 202, 122761.	1.8	4
15	Size Control of Polystyrene Nanoparticles Synthesized in Melamine Foam. Industrial & Engineering Chemistry Research, 2020, 59, 17927-17933.	1.8	4
16	Phase separation driven by production of architectural RNA transcripts. Soft Matter, 2020, 16, 4692-4698.	1.2	22
17	Fracture strain of composite with nonuniformly distributed reinforcing fibers. Journal of Rheology, 2020, 64, 933-939.	1.3	1
18	Relationship between dispersion-forming capability of poly(4-vinylaniline) colloids and antimicrobial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 596, 124736.	2.3	5

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19	Improved metal-resin adhesion via electroplating-induced polymer particle adsorption. Surface and Coatings Technology, 2020, 388, 125591.	2.2	5
20	Synthesis of Porous Carbon Hollow Particles from Polymer Hollow Particles. Journal of the Society of Powder Technology, Japan, 2020, 57, 412-416.	0.0	0
21	Synthesis of dimpled and submicron-sized polymer particles of different morphologies using free micromixer. Colloids and Interface Science Communications, 2019, 32, 100193.	2.0	11
22	Controlling Porous Hollow Silica Particles through Soap-free Emulsion Polymerization with Polymer Core Particles. Chemistry Letters, 2019, 48, 1229-1231.	0.7	1
23	Dilution of contact frequency between superenhancers by loop extrusion at interfaces. Soft Matter, 2019, 15, 7635-7643.	1.2	6
24	Influence of the size of polystyrene synthesized through soap-free emulsion polymerization on antimicrobial activity. Materials Today Communications, 2019, 20, 100572.	0.9	3
25	Preparation of PVA/Polymer Colloid nanocomposite Hydrogel Using PS-PNVA Particles. Chemistry Letters, 2019, 48, 378-381.	0.7	5
26	Enhancement of bending strength, thermal stability and recyclability of carbon-fiber-reinforced thermoplastics by using silica colloids. Composites Science and Technology, 2019, 181, 107665.	3.8	22
27	Effect of Initiator Charge on Dispersion Stability of Polymer Particles Formed by Soap-free Emulsion Polymerization of 4-Vinylaniline or 4-Vinylpyridine. Chemistry Letters, 2019, 48, 208-210.	0.7	4
28	Synthesis of polystyrene@silica particles through soap-free emulsion polymerization and sol-gel reaction on polymer surfaces. Advanced Powder Technology, 2019, 30, 214-218.	2.0	9
29	Effect of the surface properties of particle on the classification performance of a dry-cyclone. Particulate Science and Technology, 2018, 36, 46-49.	1.1	0
30	Overview of automotive structural composites technology developments in Japan. Composites Science and Technology, 2018, 155, 221-246.	3.8	210
31	Enhancement of mechanical properties of carbon fiber reinforced thermoplastic using colloidal techniques. Procedia Manufacturing, 2018, 15, 1738-1745.	1.9	11
32	Antimicrobial activities of low molecular weight polymers synthesized through soap-free emulsion polymerization. European Polymer Journal, 2018, 109, 532-536.	2.6	18
33	Antimicrobial Activities of Polymers Synthesized through Soap-free Emulsion Polymerization Using a Cationic Initiator and Styrene Derivative Monomers. Chemistry Letters, 2018, 47, 1402-1404.	0.7	12
34	Design of polymer particles maintaining dispersion stability for the synthesis of hollow silica particles through sol-gel reaction on polymer surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 66-70.	2.3	14
35	Dispersion of carbon nanofibers modified with polymer colloids to enhance mechanical properties of PVA nanocomposite film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 248-252.	2.3	16
36	A polymer colloidal technique for enhancing bending properties of carbon fiber-reinforced thermoplastics using nylon modifier. Composites Part A: Applied Science and Manufacturing, 2018, 112, 250-254.	3.8	14

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37	Size Control of Polymeric Particle in Soap-Free Emulsion Polymerization. KONA Powder and Particle Journal, 2018, 35, 66-79.	0.9	6
38	Controlling the particle cut size of a dry cyclone using acetone. Particulate Science and Technology, 2017, 35, 214-218.	1.1	0
39	Enhancement of surface adhesion between thermoplastic resin and carbon fiber using polymer colloids. Journal of Adhesion, 2017, 93, 943-948.	1.8	16
40	Large Network Swelling and Solvent Redistribution Are Necessary for Polymer Gels to Show Negative Normal Stress. ACS Macro Letters, 2017, 6, 512-514.	2.3	8
41	Synthesis of composite polymer particles with carbon nanotubes and evaluation of their mechanical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 765-770.	2.3	12
42	Synthesis of hydrocolloid through polymerization of styrene and N-vinyl acetamide by AIBN. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 516, 80-84.	2.3	11
43	Anomalous particle through soap-free emulsion polymerization of styrene using oil-soluble initiator. Journal of Polymer Research, 2017, 24, 1.	1.2	7
44	Improved mechanical properties of PMMA composites: Dispersion, diffusion and surface adhesion of recycled carbon fiber fillers from CFRP with adsorbed particulate PMMA. Advanced Powder Technology, 2017, 28, 2774-2778.	2.0	32
45	Shear induced formation of lubrication layers of negative normal stress gels. Soft Matter, 2017, 13, 6515-6520.	1.2	1
46	Transcription dynamics stabilizes nucleus-like layer structure in chromatin brush. Soft Matter, 2017, 13, 5307-5316.	1.2	12
47	Synthesis and Electrical Properties of Composite Films Comprising Polymer Particles and Carbon Nanotubes. Colloids and Interface Science Communications, 2017, 20, 5-8.	2.0	5
48	In-situ Adsorption of Polymer Particles on Multi-wall Carbon Nanotubes Using Colloidal Techniques. Colloids and Interface Science Communications, 2017, 20, 1-4.	2.0	8
49	Relaxation Dynamics of the Normal Stress of Polymer Gels. Macromolecules, 2017, 50, 5208-5213.	2.2	4
50	Development of Techniques for Dispersion of Hydrophobic Powder in Water Using Particles. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2017, 25, 113-118.	0.0	0
51	Development of Colloidal Technique for Enhancement of Performance of Carbon Fiber Reinforced Thermoplastic. Journal of the Society of Powder Technology, Japan, 2016, 53, 785-790.	0.0	0
52	Controlling of the interfacial shear strength between thermoplastic resin and carbon fiber by adsorbing polymer particles on carbon fiber using electrophoresis. Composites Part A: Applied Science and Manufacturing, 2016, 88, 75-78.	3.8	45
53	Particle size control in the soap-free emulsion polymerization of styrene by an oil-soluble initiator with a weakly acidic water-soluble initiator. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 502, 1-5.	2.3	17
54	Effect of new blade of centrifugal separator on particle separation performance. Separation and Purification Technology, 2016, 162, 120-126.	3.9	12

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55	Improvement of particle separation performance by new type hydro cyclone. Separation and Purification Technology, 2016, 158, 223-229.	3.9	17
56	Relationship between surface potential and particle size in soap-free emulsion copolymerization of styrene and methyl methacrylate using a water- or oil-soluble initiator. Colloid and Polymer Science, 2016, 294, 281-284.	1.0	23
57	Effect of Counter Ionic Radius in Initiator on Particle Size in Soap-free Emulsion Polymerization of Styrene. Chemistry Letters, 2015, 44, 824-825.	0.7	12
58	Effect of the Amount of Ï€ Electrons in Aromatic Monomer on the Surface Potential of Polymeric Particles Obtained through Soap-free Emulsion Polymerization Using AIBN. Chemistry Letters, 2015, 44, 1555-1556.	0.7	9
59	Effect of electrolyte species on size of particle through soap-free emulsion polymerization of styrene using AIBN and electrolyte. Colloid and Polymer Science, 2015, 293, 1003-1006.	1.0	26
60	Theoretical calculation of uncertainty region for spherical particles based on a picket fence, quasi-monodisperse particles. Advanced Powder Technology, 2014, 25, 524-529.	2.0	0
61	Particle size measurement of reference particle candidates and uncertainty region of count and mass based cumulative distribution. Advanced Powder Technology, 2014, 25, 1748-1753.	2.0	5
62	Effect of Inlet Clean Air and Guide Plate on Fine Particle Classification of Gas-cyclone. Journal of the Society of Powder Technology, Japan, 2014, 51, 614-622.	0.0	2
63	Fine Particle Classification by Vertical Type Water-sieve with Electro-potential Applied to Flow. Journal of the Society of Powder Technology, Japan, 2014, 51, 68-76.	0.0	2
64	Effect of free air inflow method on fine particle classification of gas-cyclone. Separation and Purification Technology, 2013, 118, 670-679.	3.9	23
65	A new method of zeta-potential measurement by the use of the sedimentation balance method. Powder Technology, 2013, 237, 303-308.	2.1	7
66	Effect of packing fraction on indium tin oxide powder synthesis via a solid-phase reaction with microwave heating. Chemical Engineering Science, 2013, 98, 17-24.	1.9	8
67	Synthesis of nearly micron-sized particles by soap-free emulsion polymerization of methacrylic monomer using an oil-soluble initiator. Colloid and Polymer Science, 2013, 291, 2741-2744.	1.0	25
68	Hydrodynamic boundary condition of water on hydrophobic surfaces. Physical Review E, 2013, 87, 051001.	0.8	26
69	Development of Novel Technique for Separation, Classification and Surface Modification of Particles using Dry-Cyclone with Mist. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2013, 21, 101-106.	0.0	0
70	Mechanism of synthesis of metallic oxide powder from aqueous metallic nitrate solution by microwave denitration method. Chemical Engineering Journal, 2012, 211-212, 1-8.	6.6	12
71	Soap-free emulsion polymerization of aromatic vinyl monomer using AIBN. Colloid and Polymer Science, 2012, 290, 1833-1835.	1.0	27
72	Synthesis of micron-sized polymeric particles in soap-free emulsion polymerization using oil-soluble initiators and electrolytes. Colloid and Polymer Science, 2012, 290, 1023-1031.	1.0	48

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73	Theoretical calculation of uncertainty region based on the general size distribution in the preparation of standard reference particles for particle size measurement. Advanced Powder Technology, 2012, 23, 185-190.	2.0	8
74	Effect of conical length on separation performance of sub-micron particles by electrical hydro-cyclone. Powder Technology, 2012, 219, 29-36.	2.1	31
75	Stress Graphitization Behavior of c/c Composites Fabricated from Milled Short Pitch-Based Carbon Fibers and their Electrical Properties. Journal of Fiber Science and Technology, 2012, 77, 296-304.	0.2	1
76	Classification of Particles Dispersed by Bead Milling with Electrophoresis. KONA Powder and Particle Journal, 2011, 29, 125-133.	0.9	4
77	Improvement of Hydro-cyclone Performance by Use of Local Electrostatic Potential Field and Fluid Flow Control Method. Journal of the Society of Powder Technology, Japan, 2011, 48, 526-533.	0.0	3
78	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. Advanced Powder Technology, 2011, 22, 43-49.	2.0	2
79	Classification of particles by centrifugal separator and analysis of the fluid behavior. Advanced Powder Technology, 2011, 22, 294-299.	2.0	15
80	Effects of clean-air injection on particle-separation performance of novel cyclone with sintered metal cone. Separation and Purification Technology, 2011, 80, 356-363.	3.9	7
81	Separation of Unburned Carbon in Fly Ash Particles Using Special Louver Separator. Journal of Chemical Engineering of Japan, 2011, 44, 146-154.	0.3	1
82	Enhancement of the Classification Performance of Electrical Field-Flow Fractionation Using Horizontal Electrophoresis. Journal of Chemical Engineering of Japan, 2011, 44, 398-404.	0.3	6
83	Effect of apex cone shape on fine particle classification of gas-cyclone. Powder Technology, 2010, 204, 54-62.	2.1	55
84	Influence of inlet flow rate, pH, and beads mill operating condition on separation performance of sub-micron particles by electrical hydrocyclone. Advanced Powder Technology, 2010, 21, 246-255.	2.0	16
85	Controlled synthesis of high performance polyamide membrane with thin dense layer for water desalination. Journal of Membrane Science, 2010, 362, 76-80.	4.1	169
86	AFM investigation of the surface properties of silica particles dispersed by bead milling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 362, 97-101.	2.3	16
87	Classification of Particles Dispersed by Bead Milling Using Electrical Field-Flow Fractionation. Journal of Chemical Engineering of Japan, 2009, 42, 720-727.	0.3	12
88	Separation performance of sub-micron silica particles by electrical hydrocyclone. Powder Technology, 2009, 196, 147-155.	2.1	19
89	Synthesis of calcium phosphate hydrogel from waste incineration fly ash and its application to fuel cell. Journal of Environmental Management, 2009, 90, 2709-2714.	3.8	5
90	Synthesis of calcium phosphate hydrogel from waste incineration fly ash and bone powder. Journal of Hazardous Materials, 2009, 163, 391-395.	6.5	14

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91	Performance of fuel cell using calcium phosphate hydrogel membrane prepared from waste incineration fly ash and chicken bone powder. Journal of Hazardous Materials, 2009, 168, 1617-1621.	6.5	10
92	Effect of inner structure of centrifugal separator on particle classification performance. Powder Technology, 2009, 192, 268-272.	2.1	11
93	Improvement of gas-cyclone performance by use of local fluid flow control method. Powder Technology, 2009, 193, 6-14.	2.1	39
94	Particle size measurement of standard reference particle candidates and theoretical estimation of uncertainty region. Advanced Powder Technology, 2009, 20, 145-149.	2.0	12
95	Utilization of NaCl for phillipsite synthesis from fly ash by hydrothermal treatment with microwave heating. Advanced Powder Technology, 2009, 20, 35-40.	2.0	45
96	Continuous fine particle classification by water elutriator with applied electro-potential. Advanced Powder Technology, 2009, 20, 398-405.	2.0	11
97	Erratum to â€œContinuous fine particle classification by water elutriator with applied electro-potentialâ€•[Adv. Powder Technol. 20 (2009) 398â€“405]. Advanced Powder Technology, 2009, 20, 509.	2.0	0
98	Synthesis of indium tin oxide powder by solid-phase reaction with microwave heating. Advanced Powder Technology, 2009, 20, 488-492.	2.0	13
99	Investigation of Particle Collection and De-sulfurization Performance by Modified Axial Flow Cyclone. Journal of the Society of Powder Technology, Japan, 2009, 46, 681-687.	0.0	0
100	Effect of multi-inlet flow on particle classification performance of hydro-cyclones. Powder Technology, 2008, 184, 352-360.	2.1	30
101	Molecularâ€scale investigation of polymerization, nucleation, and growth of polystyrene particle by atomic force microscopy. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 239-249.	0.8	8
102	Effects of Pretreatments on Calcium Phosphate Hydrogel Synthesis from Waste Incineration Fly Ash. Journal of the Society of Powder Technology, Japan, 2008, 45, 684-689.	0.0	3
103	Effect of Multi-Inlet Flow on Particle Classification Performance of Hydro-Cyclones and New Estimating Equation. Journal of Chemical Engineering of Japan, 2008, 41, 756-765.	0.3	1
104	Synthesis of Calcium Phosphate Hydrogel from Waste Incineration Fly Ash. Kagaku Kogaku Ronbunshu, 2008, 34, 304-308.	0.1	5
105	Centrifugal Classification of Particles and Analysis of the Fluid Dynamics. Journal of the Society of Powder Technology, Japan, 2007, 44, 345-352.	0.0	2
106	Experimental and Computational Study of Classification of Particles by Improved Centrifugal Separator. Journal of the Society of Powder Technology, Japan, 2007, 44, 861-867.	0.0	2
107	Effects of microwave irradiation on the crystalline phase of zeolite synthesized from fly ash by hydrothermal treatment. Advanced Powder Technology, 2007, 18, 381-393.	2.0	42
108	Growth processes of poly methylmethacrylate particles investigated by atomic force microscopy. Advanced Powder Technology, 2007, 18, 567-577.	2.0	16

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109	Nucleation and Growth Process of Polystyrene Particle Investigated by AFM. Journal of Chemical Engineering of Japan, 2006, 39, 596-603.	0.3	16
110	Continuous Fine Particle Classification by Water-Elutriator with Applied Electro-potential. Journal of the Society of Powder Technology, Japan, 2006, 43, 550-558.	0.0	8
111	Growth mechanism of soap-free polymerization of styrene investigated by AFM. Journal of Colloid and Interface Science, 2006, 297, 112-121.	5.0	65
112	Initial growth process of polystyrene particle investigated by AFM. Journal of Colloid and Interface Science, 2006, 299, 493-496.	5.0	28
113	Molecular-scale observation of the surface of polystyrene particles by AFM. Journal of Colloid and Interface Science, 2005, 292, 392-396.	5.0	37
114	é«˜å^†åå¾®ç²’åã®æ¸ç”Ÿæ^ãƒ»æ^é•·éŽç¨‹ã®ï¼¡ï¼¦ï¼ è¦³å¯Ÿ. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2005, 13, 13	0.0	0
115	Molecular-Scale Observation of Formation of Nuclei in Soap-Free Polymerization of Styrene. Langmuir, 2004, 20, 4400-4405.	1.6	37
116	AFM Observation of Growing Poly Isobutyl Methacrylate (PiBMA) Particles. Chemistry Letters, 2004, 33, 1440-1441.	0.7	25
117	Origin of the apparent long-range attractive force between surfaces in cyclohexane. Advanced Powder Technology, 2002, 13, 149-156.	2.0	9
118	Simulation of Dynamic Characteristics of Closed-circuit Pulverization System.. Kagaku Kogaku Ronbunshu, 1999, 25, 59-65.	0.1	6
119	Elaborate Classification of Flyash Particles by Bench Scale Air Cyclone.. Kagaku Kogaku Ronbunshu, 1997, 23, 363-370.	0.1	16