Masato Yamamura

List of Publications by Year
in descending order

56	464	623188	752256
papers	citations	14	20
		h-index	g-index

57	57	57	434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ribbing instability of Newtonian fluid coated on a topographic surface. Journal of Coatings Technology Research, 2020, 17, 1447-1453.	1.2	2
2	Coating and Drying of Thin Liquid Films: Effect of Rheological Properties of Liquids on Defect Formation. Journal of the Japan Society of Colour Material, 2020, 93, 23-27.	0.0	0
3	Phase Separation Fundamentalsâ€"Toward Applications of Particle Assemblyâ€". Journal of the Society of Powder Technology, Japan, 2020, 57, 130-136.	0.0	0
4	Concentration profiles in phase-separating photocuring coatings. Journal of Coatings Technology Research, 2019, 16, 1629-1636.	1.2	5
5	Formation mechanism of asymmetric porous polymer films by photoinduced phase separation in the presence of solvent. Journal of Applied Polymer Science, 2019, 136, 47867.	1.3	3
6	Hydrodynamics of Gravure Roll Coating Flows. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 265-268.	0.1	0
7	Wet Coating Fundamentals. Seikei-Kakou, 2018, 30, 606-609.	0.0	0
8	Two-step migration of particles in evaporating bimodal suspension films at high Peclet numbers. Journal of Coatings Technology Research, 2017, 14, 965-970.	1.2	7
9	A Critical Condition for Overfill-to-Starve Transition of Doctor-Bladed Liquids in Gravure Coatings. Journal of Chemical Engineering of Japan, 2017, 50, 262-267.	0.3	1
10	Composition-Dependent Stress Oscillations in a Dilute Suspension under Shear. Journal of Chemical Engineering of Japan, 2016, 49, 6-9.	0.3	1
11	Direct thickness measurement of doctor-bladed liquid film on gravure roll surface. Journal of Coatings Technology Research, 2015, 12, 827-833.	1.2	2
12	Flow Pattern Transition of Fine Cohesive Powders in a Gas-Solid Fluidized Bed under Mechanical Vibrating Conditions. Procedia Engineering, 2015, 102, 945-951.	1.2	22
13	Self-Stratification of Particles in Drying Suspension Coating : A Review. Journal of the Society of Powder Technology, Japan, 2014, 51, 264-268.	0.0	0
14	Effects of polymer end groups on the drying rates of phase separating coatings. Chemical Engineering and Processing: Process Intensification, 2013, 68, 55-59.	1.8	3
15	Drying-induced reduction in electrical resistivity of carbon black-polyamideimide nanocomposite films. Chemical Engineering and Processing: Process Intensification, 2013, 70, 17-20.	1.8	1
16	Latex Migration in Battery Slurries during Drying. Langmuir, 2013, 29, 8233-8244.	1.6	88
17	Drying-Induced Hierarchical Dimple Patterns on Partially Miscible Polymeric Films Under Ordered Convections. Drying Technology, 2013, 31, 1212-1218.	1.7	3
18	Stress Oscillations in Co-Solvent Nanoparticleâ€“Polymer Suspensions Subjected to Constant Shear Rate. Journal of Chemical Engineering of Japan, 2013, 46, 430-433.	0.3	2

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19	Mathematical Derivation of a Coating Drying Model using the Maxwellâ€“Stefan Equation. Kagaku Kogaku Ronbunshu, 2013, 39, 531-538.	0.1	4
20	Wetting-Induced Entrapment of a Droplet in a UV-Curable Volatile Liquid Coating. Journal of Chemical Engineering of Japan, 2013, 46, 367-370.	0.3	0
21	Enhanced Solvent Drying of Liquid Film Coatings by Fluorine-Base Polymeric Surfactant Addition. Journal of Chemical Engineering of Japan, 2012, 45, 441-443.	0.3	7
22	In-situ Characterization of Drying Particulate Coatings. KONA Powder and Particle Journal, 2011, 29, 39-52.	0.9	1
23	Kyushu Institute of Technology, Department of Applied Chemistry, Chemical Process Engineering Laboratory. Seikei-Kakou, 2011, 23, 351-354.	0.0	0
24	Nonuniform Thinning of Polymeric Coatings under Marangoni Stress. Journal of Chemical Engineering of Japan, 2010, 43, 40-45.	0.3	3
25	Suppressed Cracking in Drying Nanoparticle-Polymer Coatings at High Peclet Numbers. Journal of Chemical Engineering of Japan, 2010, 43, 209-213.	0.3	7
26	Diffusion, Drying and Solidification of Liquid Film Coating. Seikei-Kakou, 2010, 22, 404-409.	0.0	0
27	Measuring the Drying Rate of Liquid Film Coatings Using Heat Flux Method. Drying Technology, 2009, 27, 817-820.	1.7	17
28	Dryingâ€induced surface roughening of polymeric coating under periodic air blowing. AICHE Journal, 2009, 55, 1648-1658.	1.8	16
29	Drying behavior of thin liquid films in a condenser dryer with a solvent-trapping screen. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1427-1431.	1.8	2
30	Multiple crack nucleation in drying nanoparticle-polymer coatings. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 342, 65-69.	2.3	18
31	Numerical Modeling of Drying Thin Film Coating with a Surface-Wiping Process. Kagaku Kogaku Ronbunshu, 2009, 35, 436-441.	0.1	2
32	Cracking in Drying Silica-Polymer Films: Morphology Transitions. AIP Conference Proceedings, 2008, , .	0.3	0
33	Light-Tunable Solvent Drying in Photo-Responsive Solution Coatings. Drying Technology, 2007, 26, 97-100.	1.7	2
34	Transition between Condensing and Air Flow Drying of Thin-Film Coatings. Drying Technology, 2007, 25, 993-997.	1.7	2
35	Assisted dynamic wetting in liquid coatings. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 311, 55-60.	2.3	15
36	Relationship between Neck-in Phenomena and Rheological Properties in Film Casting. Nihon Reoroji Gakkaishi, 2006, 34, 97-103.	0.2	18

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37	Particle-assisted dynamic wetting in a suspension liquid jet impinged onto a moving solid at different flow rates. Chemical Engineering Science, 2006, 61, 5421-5426.	1.9	9
38	Drying-Rate Limit in Condenser Drying of Thin Film Coatings. Journal of Chemical Engineering of Japan, 2006, 39, 814-817.	0.3	2
39	Postponed air entrainment in dilute suspension coatings. AICHE Journal, 2005, 51, 2171-2177.	1.8	13
40	Bubble Motion Pattern and Rise Velocity in Twoâ€dimensional Horizontal and Vertical Vibroâ€fluidized Beds. Canadian Journal of Chemical Engineering, 2004, 82, 236-242.	0.9	13
41	Multicomponent diffusion in phase-separating polymer blends with different frictional interactions: a mean-friction model. Chemical Engineering Science, 2003, 58, 3891-3899.	1.9	14
42	Stripe pattern breakup in evaporating liquid layer on a plane with horizontal temperature gradient. Chemical Engineering and Processing: Process Intensification, 2003, 42, 395-402.	1.8	7
43	Flow-induced stripe pattern formation in phase-separating fluids. Polymer, 2003, 44, 4699-4704.	1.8	16
44	Measurement of Drying Curves by a Laboratory-Scale Double-Sided Convective Dryer. Kagaku Kogaku Ronbunshu, 2003, 29, 579-581.	0.1	2
45	Humidity-Induced Secondary Phase Separation in a Multizone Drier. Industrial & Engineering Chemistry Research, 2002, 41, 4409-4413.	1.8	1
46	Decrease in solvent evaporation rate due to phase separation in polymer films. AICHE Journal, 2002, 48, 2711-2714.	1.8	18
47	Mass transfer from hot dry rock to water flowing through a circular fracture. Geothermics, 2002, 31, 283-302.	1.5	6
48	Evaporation-induced pattern formation in polymer films via secondary phase separation. Chemical Engineering Science, 2002, 57, 2901-2905.	1.9	18
49	EFFECT OF STEPWISE CHANGE OF DRYING RATE ON MICROSTRUCTURE EVOLUTION IN POLYMER FILMS. Drying Technology, 2001, 19, 1397-1410.	1.7	17
50	Numerical Simulation of Extrudate Swell Problem and Evaluation of Applicability of Viscoelastic Constitutive Models. 1. A Study on Axisymmetric Extrudate Swell from a Straight Die.. Nihon Reoroji Gakkaishi, 2001, 29, 47-52.	0.2	4
51	Experimental investigation of air entrainment in a vertical liquid jet flowing down onto a rotating roll. Chemical Engineering Science, 2000, 55, 931-942.	1.9	18
52	Heat transfer from hot dry rock to waterflowingthrough a circular fracture. Geothermics, 1999, 28, 21-44.	1.5	37
53	Optimum Determination of Parameters in Differential and Integral Viscoelastic Models and Study on Reliability of the Models for Polymer Melts. 1. Automatic Optimization of a Relaxation Spectrum and Determination of Nonlinear Parameters from Rheological Shear Data.. Seikei-Kakou, 1999, 11, 527-534.	0.0	2
54	Optimum Determination of Parameters in Differential and Integral Viscoelastic Models and Study on Reliability of the Models for Polymer Melts. 2. Determination of Nonlinear Parameters from Both Shear and Elongational Flow Data.. Seikei-Kakou, 1999, 11, 535-541.	0.0	1

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55	Pressure drop of water flow between injection and production wells intersected by a circular fracture. Geothermics, 1998, 27, 25-41.	1.5	5
56	Drying paths of phase-separating solution coatings exposed to humidity. Journal of Coatings Technology Research, 0, , .	1.2	1