Yasushi Mino

List of Publications by Year
in descending order

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31 papers	448 citations	687363 13 h-index	713466 21 g-index
32 all docs	32 docs citations	32 times ranked	481 citing authors

#	Article	IF	Citations
1	Three-dimensional phase-field simulations of membrane porous structure formation by thermally induced phase separation in polymer solutions. Journal of Membrane Science, 2015, 483, 104-111.	8.2	48
2	Spontaneous Formation of Cluster Array of Gold Particles by Convective Self-Assembly. Langmuir, 2012, 28, 12982-12988.	3.5	42
3	Permeation of concentrated oil-in-water emulsions through a membrane pore: numerical simulation using a coupled level set and the volume-of-fluid method. Soft Matter, 2014, 10, 7985-7992.	2.7	41
4	Fabrication of Colloidal Grid Network by Two-Step Convective Self-Assembly. Langmuir, 2011, 27, 5290-5295.	3.5	37
5	Lattice-Boltzmann flow simulation of an oil-in-water emulsion through a coalescing filter: Effects of filter structure. Chemical Engineering Science, 2018, 177, 210-217.	3.8	31
6	Colloidal Stripe Pattern with Controlled Periodicity by Convective Self-Assembly with Liquid-Level Manipulation. ACS Applied Materials & Interfaces, 2012, 4, 3184-3190.	8.0	29
7	Permeation of oilâ€inâ€water emulsions through coalescing filter: Twoâ€dimensional simulation based on phaseâ€field model. AIChE Journal, 2016, 62, 2525-2532.	3.6	27
8	Numerical simulation of coalescence phenomena of oil-in-water emulsions permeating through straight membrane pore. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 491, 70-77.	4.7	22
9	Effect of internal mass in the lattice Boltzmann simulation of moving solid bodies by the smoothed-profile method. Physical Review E, 2017, 95, 043309.	2.1	21
10	<i>In Situ</i> Observation of Meniscus Shape Deformation with Colloidal Stripe Pattern Formation in Convective Self-Assembly. Langmuir, 2015, 31, 4121-4128.	3.5	20
11	Functional magnetic particles providing osmotic pressure as reusable draw solutes in forward osmosis membrane process. Advanced Powder Technology, 2016, 27, 2136-2144.	4.1	20
12	Simulations of particulate flow passing through membrane pore under dead-end and constant-pressure filtration condition. Chemical Engineering Science, 2018, 190, 68-76.	3.8	18
13	Direct numerical simulation of permeation of particles through a realistic fibrous filter obtained from X-ray computed tomography images utilizing signed distance function. Powder Technology, 2021, 385, 131-143.	4.2	17
14	Numerical simulation of particulate cake formation in cross-flow microfiltration: Effects of attractive forces. Advanced Powder Technology, 2019, 30, 1592-1599.	4.1	13
15	Effects of the ionic strength of sodium hypochlorite solution on membrane cleaning. Journal of Membrane Science, 2016, 514, 566-573.	8.2	12
16	High-Resolution Numerical Simulation of Microfiltration of Oil-in-Water Emulsion Permeating through a Realistic Membrane Microporous Structure Generated by Focused Ion Beam Scanning Electron Microscopy Images. Langmuir, 2022, 38, 2094-2108.	3.5	11
17	Lattice Boltzmann method for simulation of wettable particles at a fluid-fluid interface under gravity. Physical Review E, 2020, 101, 033304.	2.1	9
18	Controlling self-assembled structure of Au nanoparticles by convective self-assembly with liquid-level manipulation. Advanced Powder Technology, 2014, 25, 811-815.	4.1	8

#	Article	IF	Citations
19	Lattice Boltzmann model for capillary interactions between particles at a liquid-vapor interface under gravity. Physical Review E, 2022, 105, 045316.	2.1	4
20	Formation of Regular Stripes of Chemically Converted Graphene on Hydrophilic Substrates. ACS Applied Materials & Interfaces, 2013, 5, 6176-6181.	8.0	3
21	Simulation on Pore Formation from Polymer Solution at Surface in Contact with Solid Substrate via Thermally Induced Phase Separation. Membranes, 2021, 11, 527.	3.0	3
22	ã€Original Contributionã€‘ Numerical Simulation of Membrane Permeation of Oilâ€“inâ€“Water Emulsions containing Surfactants. Membrane, 2015, 40, 155-160.	0.0	2
23	Numerical Model for Moving Solid-Liquid Boundary Based on the Lattice Boltzmann Method and Applications to Particulate Flow Systems. Journal of the Society of Powder Technology, Japan, 2018, 55, 536-541.	0.1	2
24	Coordinated Numerical Simulation of Porous Membrane Formation by the Phase Field Method and Particulate-Laden Flow. Kagaku Kogaku Ronbunshu, 2014, 40, 230-233.	0.3	2
25	Controlling Self-Assembled Structure of Au Nanoparticles by Convective Self-Assembly with Liquid-Level Manipulation. Journal of the Society of Powder Technology, Japan, 2012, 49, 356-361.	0.1	1
26	Effect of Coating Mixing Conditions on the Color Tone of Cobalt Blue Pigment Having a Core-shell Structure Obtained by Solid Phase Synthesis of Coated Particles. Journal of the Society of Powder Technology, Japan, 2018, 55, 165-170.	0.1	1
27	Measurement of Apparent Powder Viscosity by Tuning-fork Vibration Viscometer. Journal of the Society of Powder Technology, Japan, 2021, 58, 250-254.	0.1	1
28	ã€Original Contributionã€‘Numerical Simulation of Filtration Process of Particle Suspension Using Lattice Boltzmann Method and Discrete Element Method. Membrane, 2018, 43, 286.	0.0	1
29	Investigation of Colloidal Stripe Formation Mechanism by In-situ Analysis of Meniscus Shape in Convective Self-assembly Process. Journal of the Society of Powder Technology, Japan, 2013, 50, 332-341.	0.1	1
30	Numerical Simulation of Wetting Phenomena on Solid Surface Using Free-energy Lattice Boltzmann Method. Journal of the Society of Powder Technology, Japan, 2019, 56, 550-555.	0.1	1
31	Development of Chemical Cold Generation System from Unused Thermal Energy. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 556-563.	0.4	0