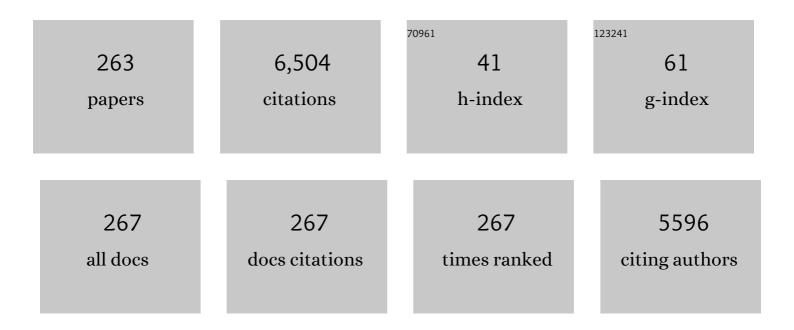
Margaritis kostoglou

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fundamental Studies of Diesel Particulate Filters: Transient Loading, Regeneration and Aging. , 0, , .		331
2	Green Adsorbents for Wastewaters: A Critical Review. Materials, 2014, 7, 333-364.	1.3	291
3	Copper and chromium(VI) removal by chitosan derivatives—Equilibrium and kinetic studies. Chemical Engineering Journal, 2009, 152, 440-448.	6.6	177
4	Nanobubbles effect on heavy metal ions adsorption by activated carbon. Chemical Engineering Journal, 2019, 356, 91-97.	6.6	153
5	Analysis of specific energy consumption in reverse osmosis desalination processes. Desalination, 2018, 431, 15-21.	4.0	131
6	Environmental friendly technology for the removal of pharmaceutical contaminants from wastewaters using modified chitosan adsorbents. Chemical Engineering Journal, 2013, 222, 248-258.	6.6	107
7	A CFD methodology for the design of sedimentation tanks in potable water treatment. Chemical Engineering Journal, 2008, 140, 110-121.	6.6	105
8	Cobalt oxide based structured bodies as redox thermochemical heat storage medium for future CSP plants. Solar Energy, 2014, 108, 146-163.	2.9	95
9	Reciprocating flow regeneration of soot filters. Combustion and Flame, 2000, 121, 488-500.	2.8	93
10	Hydrogen production via solar-aided water splitting thermochemical cycles: Combustion synthesis and preliminary evaluation of spinel redox-pair materials. International Journal of Hydrogen Energy, 2012, 37, 8964-8980.	3.8	85
11	Evolution of aggregate size and fractal dimension during Brownian coagulation. Journal of Aerosol Science, 2001, 32, 1399-1420.	1.8	80
12	Progress in Diesel Particulate Filter Simulation. , 2005, , .		80
13	Treatment of real effluents from dyeing reactor: Experimental and modeling approach by adsorption onto chitosan. Chemical Engineering Journal, 2011, 168, 577-585.	6.6	77
14	Chitosan derivatives as effective nanocarriers for ocular release of timolol drug. International Journal of Pharmaceutics, 2015, 495, 249-264.	2.6	76
15	Effect of catalyst type on molecular weight increase and coloration of poly(ethylene furanoate) biobased polyester during melt polycondensation. Polymer Chemistry, 2017, 8, 6895-6908.	1.9	76
16	Adsorption/desorption of a dye by a chitosan derivative: Experiments and phenomenological modeling. Chemical Engineering Journal, 2014, 248, 327-336.	6.6	75
17	Evaluation of Zero Order Methods for Simulating Particle Coagulation. Journal of Colloid and Interface Science, 1994, 163, 420-431.	5.0	74
18	Hydrogen production in solar reactors. Catalysis Today, 2007, 127, 265-277.	2.2	71

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#	Article	IF	CITATIONS
19	Hydrogen production via solarâ€∎ided water splitting thermochemical cycles with nickel ferrite: Experiments and modeling. AICHE Journal, 2013, 59, 1213-1225.	1.8	67
20	Relating Interactions of Dye Molecules with Chitosan to Adsorption Kinetic Data. Langmuir, 2010, 26, 9617-9626.	1.6	66
21	Multi-channel simulation of regeneration in honeycomb monolithic diesel particulate filters. Chemical Engineering Science, 2003, 58, 3273-3283.	1.9	65
22	Modeling of spiral wound membrane desalination modules and plants – review and research priorities. Desalination, 2015, 356, 165-186.	4.0	65
23	Formulation and In-Vitro Characterization of Chitosan-Nanoparticles Loaded with the Iron Chelator Deferoxamine Mesylate (DFO). Pharmaceutics, 2020, 12, 238.	2.0	65
24	N-(2-Carboxybenzyl) grafted chitosan as adsorptive agent for simultaneous removal of positively and negatively charged toxic metal ions. Journal of Hazardous Materials, 2013, 244-245, 29-38.	6.5	63
25	Analysis of temperature effects on the specific energy consumption in reverse osmosis desalination processes. Desalination, 2020, 476, 114213.	4.0	62
26	On the simultaneous adsorption of a reactive dye and hexavalent chromium from aqueous solutions onto grafted chitosan. Journal of Colloid and Interface Science, 2013, 407, 432-441.	5.0	59
27	Bubble–particle collision interaction in flotation systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 473, 95-103.	2.3	55
28	Performance of a double drum dryer for producing pregelatinized maize starches. Journal of Food Engineering, 2002, 51, 171-183.	2.7	54
29	Toward a unified framework for the derivation of breakage functions based on the statistical theory of turbulence. Chemical Engineering Science, 2005, 60, 6584-6595.	1.9	52
30	Swelling–adsorption interactions during mercury and nickel ions removal by chitosan derivatives. Separation and Purification Technology, 2015, 149, 92-102.	3.9	52
31	Extended cell average technique for the solution of coagulation equation. Journal of Colloid and Interface Science, 2007, 306, 72-81.	5.0	49
32	On the steady-state size distribution of dispersions in breakage processes. Chemical Engineering Science, 1997, 52, 1285-1299.	1.9	48
33	Bivariate population dynamics simulation of fractal aerosol aggregate coagulation and restructuring. Journal of Aerosol Science, 2006, 37, 1102-1115.	1.8	48
34	Effect of Roughness on Energy of Repulsion between Colloidal Surfaces. Journal of Colloid and Interface Science, 1995, 171, 187-199.	5.0	47
35	Aspects of multifunctional diesel particulate filters and their efficient simulation. Catalysis Today, 2012, 188, 2-13.	2.2	47
36	Mathematical analysis of polymer degradation with chain-end scission. Chemical Engineering Science, 2000, 55, 2507-2513.	1.9	46

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37	An assessment of low-order methods for solving the breakage equation. Powder Technology, 2002, 127, 116-127.	2.1	46
38	Multichannel Simulation of Soot Oxidation in Diesel Particulate Filters. , 0, , .		45
39	Thiolated Chitosan Masked Polymeric Microspheres with Incorporated Mesocellular Silica Foam (MCF) for Intranasal Delivery of Paliperidone. Polymers, 2017, 9, 617.	2.0	45
40	Scaling in reverse osmosis desalination plants: A perspective focusing on development of comprehensive simulation tools. Desalination, 2020, 474, 114193.	4.0	45
41	Cluster–Cluster Aggregation Kinetics and Primary Particle Growth of Soot Nanoparticles in Flame by Light Scattering and Numerical Simulations. Journal of Colloid and Interface Science, 2002, 247, 33-46.	5.0	44
42	Risperidone Controlled Release Microspheres Based on Poly(Lactic Acid)-Poly(Propylene Adipate) Novel Polymer Blends Appropriate for Long Acting Injectable Formulations. Pharmaceutics, 2018, 10, 130.	2.0	44
43	Periodically Reversed Flow Regeneration of Diesel Particulate Traps. , 1999, , .		43
44	The effect of influent temperature variations in a sedimentation tank for potable water treatment—A computational fluid dynamics study. Water Research, 2008, 42, 3405-3414.	5.3	43
45	Chitosan Grafted Adsorbents for Diclofenac Pharmaceutical Compound Removal from Single-Component Aqueous Solutions and Mixtures. Polymers, 2019, 11, 497.	2.0	43
46	Comprehensive simulation of flat-sheet membrane element performance in steady state desalination. Desalination, 2013, 316, 91-102.	4.0	41
47	Synthesis and characterization of modified carrageenan microparticles for the removal of pharmaceuticals from aqueous solutions. Colloids and Surfaces B: Biointerfaces, 2015, 127, 256-265.	2.5	41
48	Foam free drainage and bubbles size for surfactant concentrations below the CMC. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 92-103.	2.3	41
49	Chitosan Derivatives with Mucoadhesive and Antimicrobial Properties for Simultaneous Nanoencapsulation and Extended Ocular Release Formulations of Dexamethasone and Chloramphenicol Drugs. Pharmaceutics, 2020, 12, 594.	2.0	40
50	Spatial Non-Uniformities in Diesel Particulate Trap Regeneration. , 2001, , .		39
51	Controlled release formulations of risperidone antipsychotic drug in novel aliphatic polyester carriers: Data analysis and modelling. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 473-484.	2.0	39
52	Induced pulsing in trickle beds—characteristics and attenuation of pulses. Chemical Engineering Science, 2005, 60, 5183-5197.	1.9	38
53	Advances in the science and technology of diesel particulate filter simulation. Advances in Chemical Engineering, 2007, , 213-294.	0.5	38
54	A physicochemical model for rationalizing SARS-CoV-2 concentration in sewage. Case study: The city of Thessaloniki in Greece. Science of the Total Environment, 2021, 755, 142855.	3.9	38

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55	Modelling the effect of pre-swelling on adsorption dynamics of dyes by chitosan derivatives. Chemical Engineering Science, 2012, 81, 220-230.	1.9	37
56	The effect of spiral wound membrane element design characteristics on its performance in steady state desalination — A parametric study. Desalination, 2014, 332, 76-90.	4.0	37
57	Modeling Thin Film CdS Development in a Chemical Bath Deposition Process. Industrial & Engineering Chemistry Research, 2000, 39, 3272-3283.	1.8	36
58	A contribution towards predicting the evolution of droplet size distribution in flowing dilute liquid/liquid dispersions. Chemical Engineering Science, 2001, 56, 4283-4292.	1.9	36
59	CFD Model for the Design of Large Scale Flotation Tanks for Water and Wastewater Treatment. Industrial & Engineering Chemistry Research, 2007, 46, 6590-6599.	1.8	36
60	Incipient calcium carbonate scaling of desalination membranes in narrow channels with spacers—experimental insights. Journal of Membrane Science, 2013, 425-426, 48-57.	4.1	35
61	Comprehensive Modeling of Precipitation and Fouling in Turbulent Pipe Flow. Industrial & Engineering Chemistry Research, 1998, 37, 1536-1550.	1.8	34
62	A CFD-based simulation study of a large scale flocculation tank for potable water treatment. Chemical Engineering Journal, 2010, 162, 208-216.	6.6	34
63	Frictional and heat transfer characteristics of flow in square porous tubes of wall-flow monoliths. Chemical Engineering Science, 2012, 84, 255-265.	1.9	34
64	Catalytic Filter Systems with Direct and Indirect Soot Oxidation Activity. , 2005, , .		33
65	Use of mesoporous cellular foam (MCF) in preparation of polymeric microspheres for long acting injectable release formulations of paliperidone antipsychotic drug. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 117, 77-90.	2.0	33
66	Calcium carbonate scaling of desalination membranes: Assessment of scaling parameters from dead-end filtration experiments. Journal of Membrane Science, 2016, 510, 293-305.	4.1	32
67	PLGA/SBA-15 mesoporous silica composite microparticles loaded with paclitaxel for local chemotherapy. European Journal of Pharmaceutical Sciences, 2017, 99, 32-44.	1.9	32
68	Local condensation rates of steam-air mixtures in direct contact with a falling liquid film. International Journal of Heat and Mass Transfer, 1995, 38, 779-794.	2.5	31
69	Effect of Poly(vinyl alcohol) on Nanoencapsulation of Budesonide in Chitosan Nanoparticles via Ionic Gelation and Its Improved Bioavailability. Polymers, 2020, 12, 1101.	2.0	31
70	EVALUATION OF NUMERICAL METHODS FOR SIMULATING AN EVOLVING PARTICLE SIZE DISTRIBUTION IN GROWTH PROCESSES. Chemical Engineering Communications, 1995, 136, 177-199.	1.5	30
71	Incipient crystallization of sparingly soluble salts on membrane surfaces: The case of dead-end filtration with no agitation. Desalination, 2011, 273, 105-117.	4.0	30
72	A study of the nonlinear breakage equation: analytical and asymptotic solutions. Journal of Physics A, 2000, 33, 1221-1232.	1.6	29

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73	Optimal low order methods of moments for solving the fragmentation equation. Powder Technology, 2004, 143-144, 280-290.	2.1	29
74	Bubbles growing in supersaturated solutions at reduced gravity. AICHE Journal, 2004, 50, 2369-2382.	1.8	29
75	Impact of Combination of EGR, SCR, and DPF Technologies for the Low-Emission Rail Diesel Engines. Emission Control Science and Technology, 2015, 1, 213-225.	0.8	28
76	Ozone Mass Transfer Studies in a Hydrophobized Ceramic Membrane Contactor: Experiments and Analysis. Industrial & Engineering Chemistry Research, 2016, 55, 7587-7597.	1.8	28
77	On the Fluid Mechanics of Spiral-Wound Membrane Modules. Industrial & Engineering Chemistry Research, 2009, 48, 10025-10036.	1.8	27
78	Membrane desalination under constant water recovery – The effect of module design parameters on system performance. Separation and Purification Technology, 2015, 147, 90-113.	3.9	27
79	Effect of initial droplet shape on the tangential force required for spreading and sliding along a solid surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 164-173.	2.3	27
80	On the attainment of steady state in turbulent pipe flow of dilute dispersions. Chemical Engineering Science, 1998, 53, 505-513.	1.9	25
81	Effect of soot layer microstructure on diesel particulate filter regeneration. AICHE Journal, 2005, 51, 2534-2546.	1.8	25
82	A mathematical study of the evolution of fouling and operating parameters throughout membrane sheets comprising spiral wound modules. Chemical Engineering Journal, 2012, 187, 222-231.	6.6	25
83	Cadmium, mercury, and nickel adsorption by tetravalent manganese feroxyhyte: selectivity, kinetic modeling, and thermodynamic study. Environmental Science and Pollution Research, 2018, 25, 12263-12273.	2.7	25
84	Modeling local flotation frequency in a turbulent flow field. Advances in Colloid and Interface Science, 2006, 122, 79-91.	7.0	24
85	Investigation of the catalytic activity and reaction kinetic modeling of two antimony catalysts in the synthesis of poly(ethylene furanoate). Green Chemistry, 2021, 23, 2507-2524.	4.6	24
86	On the optimization of drug release from multi-laminated polymer matrix devices. Journal of Controlled Release, 2001, 77, 273-285.	4.8	23
87	Improved kinetic model for water splitting thermochemical cycles using Nickel Ferrite. International Journal of Hydrogen Energy, 2014, 39, 6317-6327.	3.8	23
88	Melt extrusion process for adjusting drug release of poorly water soluble drug felodipine using different polymer matrices. European Journal of Pharmaceutical Sciences, 2018, 114, 332-345.	1.9	23
89	Relating SARS-CoV-2 shedding rate in wastewater to daily positive tests data: A consistent model based approach. Science of the Total Environment, 2022, 807, 150838.	3.9	23
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90 Soot Oxidation Kinetics in Diesel Particulate Filters. , 2007, , .

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91	Mathematical Analysis of the Meso-Scale Flow Field in Spiral-Wound Membrane Modules. Industrial & Engineering Chemistry Research, 2011, 50, 4653-4666.	1.8	22
92	Improved Transfer Coefficients for Wall-Flow Monolithic Catalytic Reactors: Energy and Momentum Transport. Industrial & Engineering Chemistry Research, 2012, 51, 13062-13072.	1.8	22
93	On the self-similar solution of fragmentation equation: Numerical evaluation with implications for the inverse problem. Journal of Colloid and Interface Science, 2005, 284, 571-581.	5.0	21
94	Single- and two-phase numerical models of Dissolved Air Flotation: Comparison of 2D and 3D simulations. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 137-144.	2.3	21
95	On sectional techniques for the solution of the breakage equation. Computers and Chemical Engineering, 2009, 33, 112-121.	2.0	20
96	Adsorption of As(III) and As(V) onto colloidal microparticles of commercial cross-linked polyallylamine (Sevelamer) from single and binary ion solutions. Journal of Colloid and Interface Science, 2016, 474, 137-145.	5.0	20
97	An Experimental and Theoretical Study on Separations by Vacuum Membrane Distillation Employing Hollow-Fiber Modules. Water (Switzerland), 2018, 10, 947.	1.2	20
98	Image analysis of axisymmetric droplets in wetting experiments: A new tool for the study of 3D droplet geometry and droplet shape reconstruction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 660-671.	2.3	20
99	Microstructural Aspects of Soot Oxidation in Diesel Particulate Filters. , 2004, , .		19
100	On the use of electrical conductance measurements for the stability of oil-in-water Pickering emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 181-188.	2.3	19
101	Super absorbent chitosan-based hydrogel sponges as carriers for caspofungin antifungal drug. International Journal of Pharmaceutics, 2021, 606, 120925.	2.6	19
102	Incipient CdS thin film formation. Journal of Colloid and Interface Science, 2003, 263, 177-189.	5.0	18
103	Cyclin and DNA Distributed Cell Cycle Model for GS-NS0 Cells. PLoS Computational Biology, 2015, 11, e1004062.	1.5	18
104	Effect of Feed Concentration on the Production of Pregelatinized Starch in a Double Drum Dryer. LWT - Food Science and Technology, 2002, 35, 703-714.	2.5	17
105	Simulation of Triangular-Cell-Shaped, Fibrous Wall-Flow Filters. , 0, , .		17
106	The multiscale nature of diesel particulate filter simulation. International Journal of Vehicle Design, 2006, 41, 256.	0.1	17
107	Bubble dynamics during degassing of liquids at microgravity conditions. AICHE Journal, 2006, 52, 3029-3040.	1.8	17
108	One-dimensional model of solar thermal reactors for the co-production of hydrogen and carbon black from methane decomposition. International Journal of Hydrogen Energy, 2011, 36, 189-202.	3.8	17

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109	Surface water evaporation and energy components analysis during potato deep fat frying. Food Research International, 2012, 48, 307-315.	2.9	17
110	Effect of adding glycerol and Tween 80 on gas holdup and bubble size distribution in an aerated stirred tank. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 815-824.	2.3	17
111	A mathematical model of subpopulation kinetics for the deconvolution of leukaemia heterogeneity. Journal of the Royal Society Interface, 2015, 12, 20150276.	1.5	17
112	Dissolution Enhancement and Controlled Release of Paclitaxel Drug via a Hybrid Nanocarrier Based on mPEG-PCL Amphiphilic Copolymer and Fe-BTC Porous Metal-Organic Framework. Nanomaterials, 2020, 10, 2490.	1.9	17
113	A critical review on turbulent collision frequency/efficiency models in flotation: Unravelling the path from general coagulation to flotation. Advances in Colloid and Interface Science, 2020, 279, 102158.	7.0	17
114	Detecting SARS-CoV-2 lineages and mutational load in municipal wastewater and a use-case in the metropolitan area of Thessaloniki, Greece. Scientific Reports, 2022, 12, 2659.	1.6	17
115	Approximate computation of heat sources in axisymmetric microwave heating. AICHE Journal, 2006, 52, 408-413.	1.8	16
116	On modeling incipient crystallization of sparingly soluble salts in frontal membrane filtration. Journal of Colloid and Interface Science, 2011, 362, 202-214.	5.0	16
117	Modeling scale formation in flatâ€sheet membrane modules during water desalination. AICHE Journal, 2013, 59, 2917-2927.	1.8	16
118	Analysis of Asymmetric and Variable Cell Geometry Wall-Flow Particulate Filters. SAE International Journal of Fuels and Lubricants, 0, 7, 489-495.	0.2	16
119	Subcooled flow boiling in horizontal and vertical macro-channel under Earth-gravity and hyper-gravity conditions. International Journal of Heat and Mass Transfer, 2019, 133, 36-51.	2.5	16
120	Bubble dynamics during the non-isothermal degassing of liquids. Exploiting microgravity conditions. Advances in Colloid and Interface Science, 2007, 134-135, 125-137.	7.0	15
121	Evolution of volume fractions and droplet sizes by analysis of electrical conductance curves during destabilization of oil-in-water emulsions. Journal of Colloid and Interface Science, 2010, 349, 408-416.	5.0	15
122	On the capacity of a crust–core model to describe potato deep-fat frying. Food Research International, 2012, 46, 185-193.	2.9	15
123	Emission Reduction Technologies for the Future Low Emission Rail Diesel Engines: EGR vs SCR. , 2013, , .		15
124	Kerberos : A three camera headed centrifugal/tilting device for studying wetting/dewetting under the influence of controlled body forces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 38-48.	2.3	15
125	On the breakage problem with a homogeneous erosion type kernel. Journal of Physics A, 2001, 34, 1725-1740.	1.6	14
126	Setting Up a Numerical Model of a DAF Tank: Turbulence, Geometry, and Bubble Size. Journal of Environmental Engineering, ASCE, 2010, 136, 1424-1434.	0.7	14

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127	A population balance treatment of bubble size evolution in free draining foams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 473, 75-84.	2.3	14
128	Behavior of Ti-6Al-4 V surfaces after exposure to water disinfected with ionic silver. Applied Surface Science, 2018, 427, 763-770.	3.1	14
129	Nanostructured Composites of Sodium Montmorillonite Clay and PEO Used in Dissolution Improvement of Aprepitant Drug by Melt Mixing. Applied Sciences (Switzerland), 2018, 8, 786.	1.3	14
130	Preparation and characterization of Alendronate depot microspheres based on novel poly(-ε-caprolactone)/Vitamin E TPGS copolymers. International Journal of Pharmaceutics: X, 2019, 1, 100014.	1.2	14
131	New Biodegradable Poly(l-lactide)-Block-Poly(propylene adipate) Copolymer Microparticles for Long-Acting Injectables of Naltrexone Drug. Polymers, 2020, 12, 852.	2.0	14
132	On the thermal inertia of the wall of a drum dryer under a cyclic steady state operation. Journal of Food Engineering, 2003, 60, 453-462.	2.7	13
133	Self-similar growth of a gas bubble induced by localized heating: the effect of temperature-dependent transport properties. Chemical Engineering Science, 2005, 60, 1673-1683.	1.9	13
134	Multicomponent transport studies of crude oils and asphaltenes in DSC program. Microgravity Science and Technology, 2006, 18, 150-154.	0.7	13
135	On the Breakage of Liquidâ~'Liquid Dispersions in Turbulent Pipe Flow:  Spatial Patterns of Breakage Intensity. Industrial & Engineering Chemistry Research, 2007, 46, 8220-8228.	1.8	13
136	A multi-probe non-intrusive electrical technique for monitoring emulsification of hexane-in-water with the emulsifier C10E5 soluble in both phases. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 353-363.	2.3	13
137	Twoâ€dimensional model of methane thermal decomposition reactors with radiative heat transfer and carbon particle growth. AICHE Journal, 2012, 58, 2545-2556.	1.8	13
138	New Asymmetric Plugging Layout of Diesel Particulate Filters for the Pressure Drop Reduction. , 0, , .		13
139	Decompression induced bubble dynamics on ex vivo fat and muscle tissue surfaces with a new experimental set up. Colloids and Surfaces B: Biointerfaces, 2015, 129, 121-129.	2.5	13
140	Degassing of a pressurized liquid saturated with dissolved gas when injected to a low pressure liquid pool. Experimental Thermal and Fluid Science, 2018, 96, 347-357.	1.5	13
141	Preparation of New Risperidone Depot Microspheres Based on Novel Biocompatible Poly(Alkylene) Tj ETQq1 1 0.7 107, 2891-2901.	784314 rg 1.6	BT /Overlock 13
142	Evaluation of Dissolution Enhancement of Aprepitant Drug in Ternary Pharmaceutical Solid Dispersions with Soluplus® and Poloxamer 188 Prepared by Melt Mixing. Sci, 2019, 1, 48.	1.8	13
143	Wall-scale Reaction Models in Diesel Particulate Filters. , 0, , .		12
144	A new device for assessing film stability in foams: Experiment and theory. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 382, 64-73.	2.3	12

#	Article	IF	CITATIONS
145	Silver deposition on stainless steel container surfaces in contact with disinfectant silver aqueous solutions. Applied Surface Science, 2017, 396, 1067-1075.	3.1	12
146	Effect of agitation on batch adsorption process facilitated by using nanobubbles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 607, 125440.	2.3	12
147	On a generalized framework for turbulent collision frequency models in flotation: The road from past inconsistencies to a concise algebraic expression for fine particles. Advances in Colloid and Interface Science, 2020, 284, 102270.	7.0	12
148	Exact self-similar solutions to the fragmentation equation with homogeneous discrete kernel. Physica A: Statistical Mechanics and Its Applications, 2003, 320, 84-96.	1.2	11
149	A study of the collisional fragmentation problem using the Gamma distribution approximation. Journal of Colloid and Interface Science, 2006, 303, 419-429.	5.0	11
150	On the structure of the single-phase flow field in hollow fiber membrane modules during filtration. Journal of Membrane Science, 2008, 322, 128-138.	4.1	11
151	Effect of seeding on hydrogen and carbon particle production in a 10ÂMW solar thermal reactor for methane decomposition. International Journal of Hydrogen Energy, 2012, 37, 16570-16580.	3.8	11
152	Kinetic modeling of AS(III) and AS(V) adsorption by a novel tetravalent manganese feroxyhyte. Journal of Colloid and Interface Science, 2015, 460, 1-7.	5.0	11
153	Selecting a Differential Equation Cell Cycle Model for Simulating Leukemia Treatment. Industrial & Engineering Chemistry Research, 2015, 54, 8847-8859.	1.8	11
154	Amphiphilic Block Copolymer Microspheres Derived from Castor Oil, Poly(Îμ-carpolactone), and Poly(ethylene glycol): Preparation, Characterization and Application in Naltrexone Drug Delivery. Materials, 2018, 11, 1996.	1.3	11
155	Fluid Dynamics and Mass Transfer in Spacer-Filled Membrane Channels: Effect of Uniform Channel-Gap Reduction Due to Fouling. Fluids, 2018, 3, 12.	0.8	11
156	Oxidative Reactivity of Particulate Samples from Different Diesel Combustion Systems and Its Relation to Structural and Spectral Characteristics of Soot. Emission Control Science and Technology, 2019, 5, 99-123.	0.8	11
157	A Hybrid Device for Enhancing Flotation of Fine Particles by Combining Micro-Bubbles with Conventional Bubbles. Minerals (Basel, Switzerland), 2021, 11, 561.	0.8	11
158	Wetting/spreading on porous media and on deformable, soluble structured substrates as a model system for studying the effect of morphology on biofilms wetting and for assessing anti-biofilm methods. Current Opinion in Colloid and Interface Science, 2021, 53, 101426.	3.4	11
159	On the self-similarity of the aggregation–fragmentation equilibrium particle size distribution. Journal of Aerosol Science, 1999, 30, 157-162.	1.8	10
160	Modelling Tomato Dehydration in a Tunnel Dryer Using Geothermal Energy. Drying Technology, 2013, 31, 5-16.	1.7	10
161	Developing a cyclin blueprint as a tool for mapping the cell cycle in GS-NS0. Biochemical Engineering Journal, 2013, 81, 97-107.	1.8	10
162	Decolorization of Dyeing Wastewater Using Polymeric Absorbents - An Overview. , 2013, , .		10

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#	Article	IF	CITATIONS
163	Experimental Investigations on Condensation in the Framework of ENhanced COndensers in Microgravity (ENCOM-2) Project. Microgravity Science and Technology, 2014, 26, 335-349.	0.7	10
164	Sessile droplets shape response to complex body forces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 572, 97-106.	2.3	10
165	FLOW OF SUPERSATURATED SOLUTIONS IN PIPES. MODELING BULK PRECIPITATION AND SCALE FORMATION. Chemical Engineering Communications, 1995, 133, 107-131.	1.5	9
166	Theoretical analysis of the steady state particle size distribution in limited breakage processes. Journal of Physics A, 1998, 31, 8905-8921.	1.6	9
167	Analytical treatment of fragmentation-diffusion population balance. AICHE Journal, 2004, 50, 1746-1759.	1.8	9
168	Nucleation, growth and detachment of neighboring bubbles over miniature heaters. Chemical Engineering Science, 2008, 63, 3438-3448.	1.9	9
169	Kinetic Analysis of Nanocomposites Prepared in situ Consisting of an Aliphatic Biodegradable Polyester and Fumed Silica Nanoparticles. Macromolecular Reaction Engineering, 2011, 5, 178-189.	0.9	9
170	Dynamic operation of flat sheet desalination-membrane elements: A comprehensive model accounting for organic fouling. Computers and Chemical Engineering, 2016, 93, 1-12.	2.0	9
171	Droplet size distributions derived from evolution of oil fraction during phase separation of oil-in-water emulsions tracked by electrical impedance spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124292.	2.3	9
172	Effectiveness of Esterification Catalysts in the Synthesis of Poly(Ethylene Vanillate). Catalysts, 2021, 11, 822.	1.6	9
173	Lateral motion and interaction of gas bubbles growing over spherical and plate heaters. Microgravity Science and Technology, 2006, 18, 204-209.	0.7	8
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