

Karin Schwarzenberger

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern formation and mass transfer under stationary solutal Marangoni instability. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 344-371.	7.0	53
2	The influence of negatively charged silica nanoparticles on the surface properties of anionic surfactants: electrostatic repulsion or the effect of ionic strength?. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2238-2248.	1.3	37
3	Bio-compatible flotation of <i>Chlorella vulgaris</i> : Study of zeta potential and flotation efficiency. <i>Algal Research</i> , 2019, 44, 101705.	2.4	27
4	Multiscale structures in solutal Marangoni convection: Three-dimensional simulations and supporting experiments. <i>Physics of Fluids</i> , 2013, 25, .	1.6	26
5	van-der-Waals interaction between two fractal aggregates. <i>Advanced Powder Technology</i> , 2011, 22, 220-225.	2.0	25
6	Relaxation oscillations of solutal Marangoni convection at curved interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 633-643.	2.3	24
7	Calculation of double layer interaction between colloidal aggregates. <i>Advanced Powder Technology</i> , 2012, 23, 139-147.	2.0	20
8	Characterization of Pyrogenic Powders with Conventional Particle Sizing Technique: I. Prediction of Measured Size Distributions. <i>Particle and Particle Systems Characterization</i> , 2012, 29, 104-115.	1.2	19
9	Relaxation oscillations between Marangoni cells and double diffusive fingers in a reactive liquid-liquid system. <i>Chemical Engineering Science</i> , 2012, 68, 530-540.	1.9	19
10	Magnetically Induced Aggregation of Iron Oxide Nanoparticles for Carrier Flotation Strategies. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20830-20844.	4.0	19
11	Adaptive Micromixer Based on the Solutocapillary Marangoni Effect in a Continuous-Flow Microreactor. <i>Micromachines</i> , 2018, 9, 600.	1.4	18
12	Protein enrichment by foam Fractionation: Experiment and modeling. <i>Chemical Engineering Science</i> , 2022, 256, 117715.	1.9	17
13	Dancing performance of organic droplets in aqueous surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 566, 141-147.	2.3	16
14	Influence of microscopic precipitate structures on macroscopic pattern formation in reactive flows in a confined geometry. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2910-2918.	1.3	13
15	Solutal Marangoni convection in a Hele-Shaw geometry: Impact of orientation and gap width. <i>European Physical Journal: Special Topics</i> , 2015, 224, 261-276.	1.2	12
16	On the transition from cellular to wavelike patterns during solutal Marangoni convection. <i>European Physical Journal: Special Topics</i> , 2013, 219, 121-130.	1.2	10
17	The influence of interface curvature on solutal Marangoni convection in the Hele-Shaw cell. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 1064-1073.	2.5	9
18	Entrance effects in a radial Hele-Shaw cell: Numerical and experimental study. <i>Chemical Engineering Journal</i> , 2022, 428, 131146.	6.6	7

#	ARTICLE	IF	CITATIONS
19	Interfacial Behavior of Particle-Laden Bubbles under Asymmetric Shear Flow. <i>Langmuir</i> , 2021, 37, 13244-13254.	1.6	7
20	Interfacial flow of a surfactant-laden interface under asymmetric shear flow. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 837-848.	5.0	6
21	Effects of gravity modulation on the dynamics of a radial reaction front. <i>Chemical Engineering Science</i> , 2022, 257, 117703.	1.9	6
22	The eruptive regime of mass-transfer-driven Rayleigh–Marangoni convection. <i>Journal of Fluid Mechanics</i> , 2016, 791, .	1.4	5
23	Self-Pinning on a Liquid Surface. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 520-524.	2.1	5
24	Formation of Structured Membranes by Coacervation of Xanthan Gum with C _n TAB Surfactants. <i>Langmuir</i> , 2019, 35, 13624-13635.	1.6	4
25	Meniscus Asymmetry and Chemo–Marangoni Convection in Capillaries. <i>Chemical Engineering and Technology</i> , 2017, 40, 2067-2074.	0.9	3
26	Information transmission by Marangoni-driven relaxation oscillations at droplets. <i>Soft Matter</i> , 2018, 14, 9250-9262.	1.2	3
27	Magnetic Separation of Rare-Earth Ions: Property Database and Kelvin Force Distribution. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2226-2233.	1.5	3
28	Complex Patterns and Elementary Structures of Solutal Marangoni Convection: Experimental and Numerical Studies. <i>Advances in Mathematical Fluid Mechanics</i> , 2017, , 445-488.	0.1	0