

Dominik Kosior

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

390
citations

840776

11
h-index

794594

19
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25
all docs

25
docs citations

25
times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of n-octanol and \hat{L} -terpineol on thin film stability and bubble attachment to hydrophobic surface. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2586.	2.8	42
2	Formation and influence of the dynamic adsorption layer on kinetics of the rising bubble collisions with solution/gas and solution/solid interfaces. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 765-778.	14.7	40
3	Influence of n-octanol on the bubble impact velocity, bouncing and the three phase contact formation at hydrophobic solid surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 788-795.	4.7	35
4	Silica nanoparticle monolayers on a macroion modified surface: formation mechanism and stability. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22721-22732.	2.8	29
5	Influence of non-ionic and ionic surfactants on kinetics of the bubble attachment to hydrophilic and hydrophobic solids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 470, 333-341.	4.7	26
6	Bubble bouncing and stability of liquid films formed under dynamic and static conditions from n-octanol solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 391-400.	4.7	23
7	Conformations of Poly-L-lysine Molecules in Electrolyte Solutions: Modeling and Experimental Measurements. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23180-23190.	3.1	23
8	Three-Phase Contact Formation and Flotation of Highly Hydrophobic Polytetrafluoroethylene in the Presence of Increased Dose of Frothers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 839-843.	3.7	22
9	Initial degree of detaching bubble adsorption coverage and the kinetics of dynamic adsorption layer formation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2403-2412.	2.8	22
10	Formation of Poly-L-lysine Monolayers on Silica: Modeling and Experimental Studies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4571-4581.	3.1	19
11	Silica Monolayer Formation and Stability Determined by in situ Streaming Potential Measurements. <i>Electrochimica Acta</i> , 2016, 206, 409-418.	5.2	12
12	Kinetics of Poly-L-lysine Adsorption on Mica and Stability of Formed Monolayers: Theoretical and Experimental Studies. <i>Langmuir</i> , 2019, 35, 12042-12052.	3.5	12
13	Influence of bubble surface fluidity on collision kinetics and attachment to hydrophobic solids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 47-55.	4.7	11
14	Hematite/silica nanoparticle bilayers on mica: AFM and electrokinetic characterization. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15368-15379.	2.8	11
15	Dynamics of dewetting and bubble attachment to rough hydrophobic surfaces – Measurements and modelling. <i>Minerals Engineering</i> , 2016, 85, 112-122.	4.3	10
16	Effect of initial adsorption coverage and dynamic adsorption layer formation at bubble surface in stability of single foam films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124446.	4.7	10
17	Poly-L-Arginine Molecule Properties in Simple Electrolytes: Molecular Dynamic Modeling and Experiments. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3588.	2.6	10
18	Determination of the Settling Rate of Aggregates Using the Ultrasound Method during Paraffinic Froth Treatment. <i>Energy & Fuels</i> , 2016, 30, 8192-8199.	5.1	8

#	ARTICLE	IF	CITATIONS
19	Aggregates in Paraffinic Froth Treatment: Settling Properties and Structure. Energy & Fuels, 2018, 32, 8268-8276.	5.1	7
20	Structuring of colloidal silica nanoparticle suspensions near water-silica interfaces probed by specular neutron reflectivity. Physical Chemistry Chemical Physics, 2020, 22, 6449-6456.	2.8	5
21	Air-assisted bubble immobilization at hydrophilic porous surface. Surface Innovations, 2014, 2, 235-244.	2.3	4
22	Thickness of the particle-free layer near charged interfaces in suspensions of like-charged nanoparticles. Soft Matter, 2021, 17, 6212-6224.	2.7	4
23	Effect of dynamic adsorption layer over colliding bubble on rate of solid surface dewetting in cationic surfactant solutions. Minerals Engineering, 2021, 165, 106850.	4.3	2
24	Depletion of Polyelectrolytes near Like-Charged Substrates Probed by Optical Reflectivity. Journal of Physical Chemistry C, 0, , .	3.1	2
25	Particle Deposition to Silica Surfaces Functionalized with Cationic Polyelectrolytes. Colloids and Interfaces, 2021, 5, 26.	2.1	1