

Ben Nanzai

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

438
citations

840776

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all docs

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docs citations

30
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodic Expansion and Contraction Phenomena in a Pendant Droplet Associated with Marangoni Effect. <i>Materials</i> , 2022, 15, 239.	2.9	1
2	Sonochemical degradation of surfactants with different charge types: Effect of the critical micelle concentration in the interfacial region of the cavity. <i>Ultrasonics Sonochemistry</i> , 2021, 71, 105354.	8.2	9
3	Bifurcation of chemically driven self-propelled droplets on a surfactant-adsorbed surface based on spreading coefficients. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 620, 126563.	4.7	5
4	Mechanism for sonochemical reduction of Au(III) in aqueous butanol solution under Ar based on the analysis of gaseous and water-soluble products. <i>Ultrasonics Sonochemistry</i> , 2020, 69, 105241.	8.2	6
5	Quantitative Analytical Method for Single Rain Droplets via Crystal Formation in Photocrosslinking Polymer Gel. <i>Analytical Sciences</i> , 2019, 35, 1263-1267.	1.6	0
6	Sonochemistry of aqueous NaAuCl ₄ solutions with C ₃ -C ₆ alcohols under a noble gas atmosphere. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 397-403.	8.2	7
7	Spontaneous electrical oscillation in horizontal three-phase liquid membrane systems: Effect of Marangoni effect induced by buoyant convection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 496-502.	4.7	4
8	Selective transport of neutral amino acids across a double-membrane system comprising cation and anion exchange membranes. <i>Journal of Membrane Science</i> , 2017, 537, 344-352.	8.2	15
9	Chemical composition of polluted mist droplets. <i>Atmospheric Environment</i> , 2017, 171, 230-236.	4.1	5
10	Sonochemical Degradation of Aromatic Compounds, Surfactants, and Dyes in Aqueous Solutions. , 2016, , 785-812.		1
11	Spontaneous motion of various oil droplets in aqueous solution of trimethyl alkyl ammonium with different carbon chain lengths. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 154-160.	4.7	5
12	Effects of Na ₂ SO ₄ or NaCl on sonochemical degradation of phenolic compounds in an aqueous solution under Ar: Positive and negative effects induced by the presence of salts. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 144-149.	8.2	20
13	Effect of Interfacial Curvature on Marangoni Instability at Water-Oil Interface. <i>Chemistry Letters</i> , 2015, 44, 1530-1531.	1.3	2
14	Sonochemical Degradation of Aromatic Compounds, Surfactants, and Dyes in Aqueous Solutions. , 2015, , 1-28.		2
15	Air pollutant deposition at declining forest sites of the Tanzawa Mountains, Japan. <i>Atmospheric Research</i> , 2015, 151, 93-100.	4.1	6
16	Effect of chemical reaction causing contact angle variation, on the spontaneous motion of an I ₂ -containing nitrobenzene droplet. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 560-566.	4.7	9
17	Selective transport of amino acids across a double membrane system composed of a cation- and an anion-exchange membrane. <i>Journal of Membrane Science</i> , 2013, 448, 300-307.	8.2	12
18	Atmospheric Corrosion of Galvanized Steel and Stainless Steel in Yokohama and Mt. Oyama. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2013, 62, 460-465.	0.2	1

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19	Spontaneous Motion of <i>p</i> -Toluidine Droplets: Repetitive Motion of Running and Squashing. Chemistry Letters, 2012, 41, 609-611.	1.3	13
20	Preliminary Study of Quantitative Analysis of Ammonium Ions in a Raindrop Following Liesegang Ring Formation. Analytical Sciences, 2011, 27, 861.	1.6	2
21	Gel-phase Extraction for the Removal of Heavy-metal Ions. Chemistry Letters, 2010, 39, 996-997.	1.3	6
22	Threshold for Spontaneous Oscillation in a Three-Phase Liquid Membrane System Involving Nonionic Surfactant. Journal of Physical Chemistry B, 2010, 114, 11778-11783.	2.6	9
23	Effects of initial concentration of LASs on the rates of sonochemical degradation and cavitation efficiency. Research on Chemical Intermediates, 2009, 35, 841-849.	2.7	8
24	Effect of reaction vessel diameter on sonochemical efficiency and cavitation dynamics. Ultrasonics Sonochemistry, 2009, 16, 163-168.	8.2	62
25	Sonochemical decomposition of organic acids in aqueous solution: Understanding of molecular behavior during cavitation by the analysis of a heterogeneous reaction kinetics model. Ultrasonics Sonochemistry, 2009, 16, 155-162.	8.2	44
26	Influence of adding salt on ultrasonic atomization in an ethanol-water solution. Ultrasonics Sonochemistry, 2009, 16, 150-154.	8.2	13
27	Sonochemical reduction of permanganate to manganese dioxide: The effects of H ₂ O ₂ formed in the sonolysis of water on the rates of reduction. Ultrasonics Sonochemistry, 2009, 16, 387-391.	8.2	39
28	Sonochemical Degradation of Alkylbenzene Sulfonates and Kinetics Analysis with a Langmuir Type Mechanism. Journal of Physical Chemistry C, 2009, 113, 3735-3739.	3.1	26
29	Sonochemical degradation of various monocyclic aromatic compounds: Relation between hydrophobicities of organic compounds and the decomposition rates. Ultrasonics Sonochemistry, 2008, 15, 478-483.	8.2	68
30	Effect of carbon tetrachloride on sonochemical decomposition of methyl orange in water. Chemosphere, 2008, 71, 36-42.	8.2	38