

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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30
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonochemical degradation of various monocyclic aromatic compounds: Relation between hydrophobicities of organic compounds and the decomposition rates. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 478-483.	8.2	68
2	Effect of reaction vessel diameter on sonochemical efficiency and cavitation dynamics. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 163-168.	8.2	62
3	Sonochemical decomposition of organic acids in aqueous solution: Understanding of molecular behavior during cavitation by the analysis of a heterogeneous reaction kinetics model. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 155-162.	8.2	44
4	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. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 387-391.	8.2	39
5	Effect of carbon tetrachloride on sonochemical decomposition of methyl orange in water. <i>Chemosphere</i> , 2008, 71, 36-42.	8.2	38
6	Sonochemical Degradation of Alkylbenzene Sulfonates and Kinetics Analysis with a Langmuir Type Mechanism. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3735-3739.	3.1	26
7	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
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	Influence of adding salt on ultrasonic atomization in an ethanol-water solution. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 150-154.	8.2	13
10	Spontaneous Motion of <i>o</i> -Toluidine Droplets: Repetitive Motion of Running and Squashing. <i>Chemistry Letters</i> , 2012, 41, 609-611.	1.3	13
11	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
12	Threshold for Spontaneous Oscillation in a Three-Phase Liquid Membrane System Involving Nonionic Surfactant. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11778-11783.	2.6	9
13	Effect of chemical reaction causing contact angle variation, on the spontaneous motion of an l 2-containing nitrobenzene droplet. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 560-566.	4.7	9
14	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
15	Effects of initial concentration of LASs on the rates of sonochemical degradation and cavitation efficiency. <i>Research on Chemical Intermediates</i> , 2009, 35, 841-849.	2.7	8
16	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
17	Gel-phase Extraction for the Removal of Heavy-metal Ions. <i>Chemistry Letters</i> , 2010, 39, 996-997.	1.3	6
18	Air pollutant deposition at declining forest sites of the Tanzawa Mountains, Japan. <i>Atmospheric Research</i> , 2015, 151, 93-100.	4.1	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Chemical composition of polluted mist droplets. <i>Atmospheric Environment</i> , 2017, 171, 230-236.	4.1	5
22	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
23	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
24	Preliminary Study of Quantitative Analysis of Ammonium Ions in a Raindrop Following Liesegang Ring Formation. <i>Analytical Sciences</i> , 2011, 27, 861.	1.6	2
25	Effect of Interfacial Curvature on Marangoni Instability at Water–Oil Interface. <i>Chemistry Letters</i> , 2015, 44, 1530-1531.	1.3	2
26	Sonochemical Degradation of Aromatic Compounds, Surfactants, and Dyes in Aqueous Solutions. , 2015, , 1-28.		2
27	Sonochemical Degradation of Aromatic Compounds, Surfactants, and Dyes in Aqueous Solutions. , 2016, , 785-812.		1
28	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
29	Periodic Expansion and Contraction Phenomena in a Pendant Droplet Associated with Marangoni Effect. <i>Materials</i> , 2022, 15, 239.	2.9	1
30	Quantitative Analytical Method for Single Rain Droplets <i>via</i> Crystal Formation in Photocrosslinking Polymer Gel. <i>Analytical Sciences</i> , 2019, 35, 1263-1267.	1.6	0