

Doseok Kim

List of Publications by Year in descending order

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59
papers

2,054
citations

218677

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60
times ranked

2604
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of Fatty Acid Monolayers by Salts Investigated by Sum-Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2022, 126, 643-649.	2.6	7
2	Characterization of Noise in a Single-Molecule Fluorescence Signal. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1160-1167.	2.6	2
3	Structure of Electric Double Layer under Cationic Langmuir Monolayer: Charge Condensation Effect. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3417-3423.	4.6	6
4	Reply to the "Comment on "Bi-layering at ionic liquid surfaces: a sum-frequency generation vibrational spectroscopy- and molecular dynamics simulation-based study" by M. Deutsch, O. M. Magnussen, J. Haddad, D. Pontoni, B. M. Murphy and B. M. Ocko, <i>Phys. Chem. Chem. Phys.</i> , 2021, DOI: 10.1039/DOCP04882H. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5028-5030.	2.8	1
5	Kinetics of DNA looping by Anabaena sensory rhodopsin transducer (ASRT) by using DNA cyclization assay. <i>Scientific Reports</i> , 2021, 11, 23721.	3.3	0
6	Bi-layering at ionic liquid surfaces: a sum-frequency generation vibrational spectroscopy- and molecular dynamics simulation-based study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12565-12576.	2.8	9
7	Concentration Dependence of Ion Pairing in Imidazolium-Based Ionic Liquid Solutions. <i>ChemPhysChem</i> , 2019, 20, 482-488.	2.1	4
8	Change of hydrogen bonding structure in ionic liquid mixtures by anion type. <i>Journal of Chemical Physics</i> , 2018, 148, 193827.	3.0	20
9	Rotation and translation dynamics of coumarin 153 in choline chloride-based deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2018, 149, 174503.	3.0	15
10	Turn-on and Turn-off Fluorescent Probes for Carbon Monoxide Detection and Blood Carboxyhemoglobin Determination. <i>ACS Sensors</i> , 2018, 3, 1102-1108.	7.8	44
11	Binding of trivalent ions on fatty acid Langmuir monolayer: Fe ³⁺ versus La ³⁺ . <i>Journal of Chemical Physics</i> , 2018, 149, 163304.	3.0	20
12	RecA filament maintains structural integrity using ATP-driven internal dynamics. <i>Science Advances</i> , 2017, 3, e1700676.	10.3	21
13	Salt Promotes Protonation of Amine Groups at Air/Water Interface. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3601-3606.	4.6	19
14	Observation of isolated ionic liquid cations and water molecules in an inert solvent. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27529-27535.	2.8	5
15	Raman Spectroscopic Study on Alkyl Chain Conformation in 1-Butyl-3-methylimidazolium Ionic Liquids and their Aqueous Mixtures. <i>ChemPhysChem</i> , 2016, 17, 3040-3046.	2.1	34
16	Origin of the Instability of Octadecylamine Langmuir Monolayer at Low pH. <i>Langmuir</i> , 2015, 31, 13753-13758.	3.5	27
17	Specificity and Variation of Length Scale over Which Monovalent Halide Ions Neutralize a Charged Interface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7130-7137.	3.1	23
18	Liquid/liquid interface layering of 1-butanol and [bmim]PF ₆ ionic liquid: a nonlinear vibrational spectroscopy and molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24587-24597.	2.8	17

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19	Anion exchange in ionic liquid mixtures. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29786-29792.	2.8	32
20	Repair of Ischemic Injury by Pluripotent Stem Cell Based Cell Therapy without Teratoma through Selective Photosensitivity. <i>Stem Cell Reports</i> , 2015, 5, 1067-1080.	4.8	30
21	Dynamic Growth and Shrinkage Govern the pH Dependence of RecA Filament Stability. <i>PLoS ONE</i> , 2015, 10, e0115611.	2.5	9
22	Adsorption and desorption of tyrosine kinase inhibitor erlotinib on gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2014, 425, 96-101.	9.4	35
23	Detection of the mycotoxin citrinin using silver substrates and Raman spectroscopy. <i>Journal of Hazardous Materials</i> , 2014, 265, 89-95.	12.4	43
24	Structures of ionic liquid-water mixtures investigated by IR and NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9591-9601.	2.8	195
25	Density Profiles of Liquid/Vapor Interfaces Away from Their Critical Points. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12405-12409.	3.1	9
26	Colloidal gold nanoparticle conjugates of gefitinib. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 61-67.	5.0	35
27	Cooperative Conformational Transitions Keep RecA Filament Active During ATPase Cycle. <i>Journal of the American Chemical Society</i> , 2014, 136, 14796-14800.	13.7	24
28	Sum-frequency vibrational spectroscopic studies of Langmuir monolayers. <i>Current Applied Physics</i> , 2013, 13, 619-632.	2.4	50
29	Aggregation Behavior of Aqueous Solutions of 1-Dodecyl-3-methylimidazolium Salts with Different Halide Anions. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1529-1534.	1.9	51
30	Characteristics of Visible Fluorescence from Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10818-10825.	2.6	40
31	Different Adsorption Behavior of Rare Earth and Metallic Ion Complexes on Langmuir Monolayers Probed by Sum-Frequency Generation Spectroscopy. <i>Journal of the Optical Society of Korea</i> , 2013, 17, 10-15.	0.6	6
32	Fluorescence correlation spectroscopy study on room-temperature ionic liquids. <i>Journal of the Korean Physical Society</i> , 2012, 61, 1555-1559.	0.7	11
33	Nonlinear vibrational spectroscopic studies on water/ionic liquid([C _n mim]TfSA: n = 4, 8) interfaces. <i>Faraday Discussions</i> , 2012, 154, 289-301.	3.2	27
34	Surface Nanocrystallization of an Ionic Liquid. <i>Physical Review Letters</i> , 2012, 108, 055502.	7.8	39
35	Finite-size effects in Monte Carlo simulations of the Gaussian disorder model. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1897-1901.	0.7	7
36	Interfacial Structure at Ionic-liquid/Molecular-liquid Interfaces Probed by Sum-Frequency Generation Vibrational Spectroscopy. <i>ACS Symposium Series</i> , 2010, , 305-316.	0.5	2

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37	Double layer structure and adsorption/desorption hysteresis of neat ionic liquid on Pt electrode surface – an in-situ IR-visible sum-frequency generation spectroscopic study. <i>Electrochemistry Communications</i> , 2010, 12, 672-675.	4.7	117
38	Sum-Frequency Spectroscopic Study of Langmuir Monolayers of Lipids Having Oppositely Charged Headgroups. <i>Langmuir</i> , 2010, 26, 18266-18272.	3.5	54
39	Side chain assisted nanotubular self-assembly of cyclic peptides at the air-water interface. <i>Soft Matter</i> , 2010, 6, 4701.	2.7	6
40	Alkyl-chain dividing layer at an alcohol/ionic liquid buried interface studied by sum-frequency generation vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12943.	2.8	22
41	Highly Efficient Red Phosphorescent OLEDs based on Non-Conjugated Silicon-Cored Spirobifluorene Derivative Doped with Ir-Complexes. <i>Advanced Functional Materials</i> , 2009, 19, 420-427.	14.9	140
42	Surface Structural Study on Ionic Liquids Using Metastable Atom Electron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19237-19243.	3.1	79
43	Imaging of Collapsed Fatty Acid Films at Air-Water Interfaces. <i>Langmuir</i> , 2009, 25, 9262-9269.	3.5	22
44	Structural change of interfacial water by adsorption of counterions on Langmuir monolayer. , 2009, , .		0
45	Anion Configuration at the Air/Liquid Interface of Ionic Liquid [bmim]OTf Studied by Sum-Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11936-11941.	2.6	66
46	Comparison of Photophysical Properties of the Hemicyanine Dyes in Ionic and Nonionic Solvents. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1906-1912.	2.6	37
47	Interfacial Restructuring of Ionic Liquids Determined by Sum-Frequency Generation Spectroscopy and X-Ray Reflectivity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19649-19654.	3.1	116
48	Comparison of the Fluorescence Characteristics of Dye Molecules in Liquid Crystal and Conventional Solvents. <i>Journal of the Korean Physical Society</i> , 2008, 53, 2261-2264.	0.7	1
49	Charge Inversion at the Surface by Adsorption of Trivalent Cations on Langmuir Monolayer. , 2007, , .		1
50	Polarization-Resolved Broad-Bandwidth Sum-Frequency Generation Spectroscopy of Monolayer Relaxation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8878-8883.	3.1	33
51	Local Structure at the Air/Liquid Interface of Room-Temperature Ionic Liquids Probed by Infrared-Visible Sum Frequency Generation Vibrational Spectroscopy: 1-Alkyl-3-methylimidazolium Tetrafluoroborates. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4860-4866.	2.6	119
52	Surfaces of Alcohol-Water Mixtures Studied by Sum-Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18507-18514.	2.6	99
53	ORIENTATION REARRANGEMENT AND AGGREGATION OF OXADIAZOLE TYPE DYE. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 553-558.	1.8	1
54	Orientational ordering of alkyl chain at the air/liquid interface of ionic liquids studied by sum frequency vibrational spectroscopy. <i>Chemical Physics Letters</i> , 2004, 389, 321-326.	2.6	125

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55	Rubbed Polyimide Surface Studied by Sum-Frequency Vibrational Spectroscopy. <i>Macromolecules</i> , 2001, 34, 9125-9129.	4.8	58
56	Self-Phase Modulation in a Dye-Doped Liquid-Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 103-106.	0.3	3
57	Self-Assembled Polythiophene Monolayer on Gold Surface. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 349, 167-170.	0.3	0
58	Spontaneous Ordering of Nonlinear Optical Groups in a Polymer Thin Film Through Cross-Linking. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 349, 23-26.	0.3	0
59	Nonlinear absorption of Cr ⁴⁺ :YAG studied with lasers of different pulsewidths. <i>Applied Physics Letters</i> , 1998, 73, 3193-3195.	3.3	36