

Sunghwan Shin

List of Publications by Year in descending order

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papers

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citations

840776

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24
all docs

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docs citations

24
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters. <i>Nature Communications</i> , 2019, 10, 509.	12.8	61
2	Generation of strong electric fields in an ice film capacitor. <i>Journal of Chemical Physics</i> , 2013, 139, 074201.	3.0	34
3	Asymmetric Transport Efficiencies of Positive and Negative Ion Defects in Amorphous Ice. <i>Physical Review Letters</i> , 2012, 108, 226103.	7.8	25
4	Effect of Electric Field on Condensed-Phase Molecular Systems. II. Stark Effect on the Hydroxyl Stretch Vibration of Ice. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15596-15603.	3.1	25
5	Zundel-like and Eigen-like Hydrated Protons on a Platinum Surface. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7626-7630.	13.8	24
6	Effect of Electric Field on Condensed-Phase Molecular Systems. I. Dipolar Polarization of Amorphous Solid Acetone. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15588-15595.	3.1	22
7	Electric Field Effect on Condensed-Phase Molecular Systems. III. The Origin of the Field-Induced Change in the Vibrational Frequency of Adsorbed CO on Pt(111). <i>Journal of Physical Chemistry C</i> , 2016, 120, 17579-17587.	3.1	21
8	Temperature-Dependent Surface Enrichment Effects in Binary Mixtures of Fluorinated and Non-Fluorinated Ionic Liquids. <i>Chemistry - A European Journal</i> , 2020, 26, 1117-1126.	3.3	17
9	Acidic Water Monolayer on Ruthenium(0001). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12806-12809.	13.8	15
10	Electric Field Effect on Condensed-Phase Molecular Systems. IV. Conformational Change of 1,2-Dichloroethane in a Frozen Molecular Solid. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25342-25346.	3.1	12
11	Phase Transitions of Amorphous Solid Acetone in Confined Geometry Investigated by Reflection Absorption Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13349-13356.	2.6	11
12	Spectroscopic Monitoring of the Acidity of Water Films on Ru(0001): Orientation-Specific Acidity of Adsorbed Water. <i>Chemistry - A European Journal</i> , 2014, 20, 3376-3383.	3.3	6
13	Dissociation of Trifluoroacetic Acid in Amorphous Solid Water: Charge-Delocalized Hydroniums and Zundel Continuum Absorption. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12842-12848.	3.1	6
14	Potential Screening at Electrode/Ionic Liquid Interfaces from In Situ X-ray Photoelectron Spectroscopy. <i>ChemistryOpen</i> , 2019, 8, 1365-1368.	1.9	6
15	Enrichment effects of ionic liquid mixtures at polarized electrode interfaces monitored by potential screening. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10756-10762.	2.8	6
16	Electric Field Effect on Condensed-Phase Molecular Systems: V. Acid-Base Proton Transfer at the Interface of Molecular Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4901-4907.	3.1	5
17	Entropy-Driven Spontaneous Reaction in Cryogenic Ice: Dissociation of Fluoroacetic Acids. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4282-4286.	4.6	5
18	Adsorption, Wetting, Growth, and Thermal Stability of the Protic Ionic Liquid Diethylmethylammonium Trifluoromethanesulfonate on Ag(111) and Au(111). <i>Langmuir</i> , 2021, 37, 11552-11560.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Recent Progress in the Manipulation of Molecules with DC Electric Fields. <i>Accounts of Chemical Research</i> , 2021, 54, 323-331.	15.6	5
20	Electric Field Effect on Condensed-Phase Molecular Systems. X. Interconversion Dynamics and Vibrational Stark Effect of Hydrogen Chloride Clusters in an Argon Matrix. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4581-4589.	2.6	2
21	The Effect of Ambient Conditions on the Potential Screening at Ionic Liquid “ Electrode Interfaces. <i>Journal of Ionic Liquids</i> , 2022, 2, 100019.	2.7	1