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List of Publications by Year
in descending order

78	1,524	279798 23	361022 35
papers	citations	h-index	g-index

78	78	78	1747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical Potential Driven Reorganization of Anions between Stern and Diffuse Layers at the Air/Water Interface. Journal of Physical Chemistry C, 2022, 126, 1140-1151.	3.1	14
2	Specific Ion Effects in Lanthanideâ€“Amphiphile Structures at the Airâ€“Water Interface and Their Implications for Selective Separation. ACS Applied Materials & Interfaces, 2022, 14, 7504-7512.	8.0	14
3	Nucleation Kinetics and Structure Evolution of Quasi-Two-Dimensional ZnO at the Airâ€“Water Interface: An In Situ Time-Resolved Grazing Incidence X-ray Scattering Study. Nano Letters, 2022, 22, 3040-3046.	9.1	7
4	Effects of ion adsorption on graphene oxide films and interfacial water structure: A molecular-scale description. Carbon, 2022, 195, 131-140.	10.3	11
5	Penetration and preferential binding of charged nanoparticles to mixed lipid monolayers: interplay of lipid packing and charge density. Soft Matter, 2021, 17, 1963-1974.	2.7	4
6	Free Thiols Regulate the Interactions and Self-Assembly of Thiol-Passivated Metal Nanoparticles. Nano Letters, 2021, 21, 1613-1619.	9.1	8
7	Salt-Induced Liquidâ€“Liquid Phase Separation and Interfacial Crystal Formation in Poly(N-isopropylacrylamide)-Capped Gold Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 5349-5362.	3.1	6
8	Single-Molecule Fluorescence Spectroscopy of Phase-Separated 10,12-Pentacosadynoic Acid Films. Journal of Physical Chemistry B, 2021, 125, 3953-3962.	2.6	2
9	Structure of polymer-capped gold nanorods binding to model phospholipid monolayers. JPhys Materials, 2021, 4, 034004.	4.2	2
10	Influence of Substitutional Groups on the Ordering and Crystallization of Amphiphilic Silsesquioxanes at the Airâ€“Water Interface. Langmuir, 2021, 37, 6232-6242.	3.5	1
11	No ordinary proteins: Adsorption and molecular orientation of monoclonal antibodies. Science Advances, 2021, 7, .	10.3	20
12	How Tim proteins differentially exploit membrane features to attain robust target sensitivity. Biophysical Journal, 2021, 120, 4891-4902.	0.5	5
13	Antagonistic Role of Aqueous Complexation in the Solvent Extraction and Separation of Rare Earth Ions. ACS Central Science, 2021, 7, 1908-1918.	11.3	18
14	Knowledge-Based Design of 5-Fluororacil Prodrug Liposomal Formulation: Molecular Packing and Interaction Revealed by Interfacial Isotherms and X-ray Scattering Techniques. Molecular Pharmaceutics, 2021, 18, 4331-4340.	4.6	0
15	Revealing redox isomerism in trichromium imides by anomalous diffraction. Chemical Science, 2021, 12, 15739-15749.	7.4	8
16	Unusual Effect of Iodine Ions on the Self-Assembly of Poly(ethylene glycol)-Capped Gold Nanoparticles. Langmuir, 2020, 36, 311-317.	3.5	12
17	Structure and dynamics of lipid membranes interacting with antivirulence end-phosphorylated polyethylene glycol block copolymers. Soft Matter, 2020, 16, 983-989.	2.7	10
18	The Role of Specific Ion Effects in Ion Transport: The Case of Nitrate and Thiocyanate. Journal of Physical Chemistry C, 2020, 124, 573-581.	3.1	30

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19	Spontaneous collapse of palmitic acid films on an alkaline buffer containing calcium ions. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111100.	5.0	5
20	Structural Changes in Films of Pulmonary Surfactant Induced by Surfactant Vesicles. Langmuir, 2020, 36, 13439-13447.	3.5	3
21	Anions Enhance Rare Earth Adsorption at Negatively Charged Surfaces. Journal of Physical Chemistry Letters, 2020, 11, 4436-4442.	4.6	23
22	Impeded Molecular Reorganization by Polyethylene Glycol Conjugation Revealed by X-ray Reflectivity and Diffraction Measurements. Langmuir, 2020, 36, 7573-7581.	3.5	2
23	Evolution and Reversible Polarity of Multilayering at the Ionic Liquid/Water Interface. Journal of Physical Chemistry B, 2020, 124, 6412-6419.	2.6	17
24	Armoring the Interface with Surfactants to Prevent the Adsorption of Monoclonal Antibodies. ACS Applied Materials & Interfaces, 2020, 12, 9977-9988.	8.0	32
25	Synchrotron X-Ray Scattering from Liquid Surfaces and Interfaces. , 2020, , 1897-1933.		2
26	Exposing the inadequacy of redox formalisms by resolving redox inequivalence within isovalent clusters. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15836-15841.	7.1	11
27	Polyunsaturated Phospholipid Modified Membrane Degradation Catalyzed by a Secreted Phospholipase A2. Langmuir, 2019, 35, 11643-11650.	3.5	4
28	Stability of Ligands on Nanoparticles Regulating the Integrity of Biological Membranes at the Nanoâ€“Lipid Interface. ACS Nano, 2019, 13, 8680-8693.	14.6	59
29	Correlating Ligand Density with Cellular Uptake of Gold Nanorods Revealed by X-ray Reflectivity. Journal of Nanoscience and Nanotechnology, 2019, 19, 7557-7563.	0.9	4
30	Molecular interactions of phospholipid monolayers with a model phospholipase. Soft Matter, 2019, 15, 4068-4077.	2.7	8
31	Electrostatic Origin of Element Selectivity during Rare Earth Adsorption. Physical Review Letters, 2019, 122, 058001.	7.8	18
32	Salt Mediated Self-Assembly of Poly(ethylene glycol)-Functionalized Gold Nanorods. Scientific Reports, 2019, 9, 20349.	3.3	19
33	The influence of fractional surface coverage on the coreâ€“core separation in ordered monolayers of thiol-ligated Au nanoparticles. Soft Matter, 2019, 15, 8800-8807.	2.7	10
34	Effect of (Poly)electrolytes on the Interfacial Assembly of Poly(ethylene glycol)-Functionalized Gold Nanoparticles. Langmuir, 2019, 35, 2251-2260.	3.5	15
35	Nanoscale view of assisted ion transport across the liquidâ€“liquid interface. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18227-18232.	7.1	68
36	X-Ray Studies of Liquid Interfaces in Model Solvent Extraction Systems. , 2019, , 115-145.		1

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37	Hydrophobic interactions modulate antimicrobial peptoid selectivity towards anionic lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1414-1423.	2.6	43
38	Electron Cartography in Clusters. Angewandte Chemie - International Edition, 2018, 57, 13815-13820.	13.8	24
39	Two-Dimensional Crystallization of Poly(N-isopropylacrylamide)-Capped Gold Nanoparticles. Langmuir, 2018, 34, 8374-8378.	3.5	13
40	Liquid Surface X-Ray Scattering. , 2018, , 167-194.		18
41	Molecular Structure of Canonical Liquid Crystal Interfaces. Journal of the American Chemical Society, 2017, 139, 3841-3850.	13.7	56
42	Atomic Number Dependent â€œStructural Transitionsâ€•in Ordered Lanthanide Monolayers: Role of the Hydration Shell. Langmuir, 2017, 33, 1412-1418.	3.5	13
43	Quantitative analysis of total reflection X-ray fluorescence from finely layered structures using XeRay. Review of Scientific Instruments, 2017, 88, 033112.	1.3	1
44	Increased humidity can soften glassy Langmuir polymer films by two mechanisms: plasticization of the polymer material, and suppression of the evaporation cooling effect. Physical Chemistry Chemical Physics, 2017, 19, 10663-10675.	2.8	10
45	Two-Step Adsorption of PtCl62â€“ Complexes at a Charged Langmuir Monolayer: Role of Hydration and Ion Correlations. Journal of Physical Chemistry C, 2017, 121, 25377-25383.	3.1	28
46	Monomolecular Siloxane Film as a Model of Single Site Catalysts. Journal of the American Chemical Society, 2016, 138, 12432-12439.	13.7	11
47	Liquid Surface X-ray Studies of Gold Nanoparticleâ€“Phospholipid Films at the Air/Water Interface. Journal of Physical Chemistry B, 2016, 120, 9132-9141.	2.6	18
48	Synchrotron X-Ray Scattering from Liquid Surfaces and Interfaces. , 2016, , 1579-1616.		2
49	Ion Distributions at Electrified Water-Organic Interfaces: PB-PMF Calculations and Impedance Spectroscopy Measurements. Journal of the Electrochemical Society, 2015, 162, H890-H897.	2.9	11
50	Electric Field Effect on Phospholipid Monolayers at an Aqueousâ€“Organic Liquidâ€“Liquid Interface. Journal of Physical Chemistry B, 2015, 119, 9319-9334.	2.6	11
51	Synchrotron X-Ray Scattering from Liquid Surfaces and Interfaces. , 2015, , 1-33.		1
52	Interfacial Localization and Voltage-Tunable Arrays of Charged Nanoparticles. Nano Letters, 2014, 14, 6816-6822.	9.1	51
53	X-ray Studies of Interfacial Strontiumâ€“Extractant Complexes in a Model Solvent Extraction System. Journal of Physical Chemistry B, 2014, 118, 12486-12500.	2.6	47
54	Observation of a Rare Earth Ionâ€“Extractant Complex Arrested at the Oilâ€“Water Interface During Solvent Extraction. Journal of Physical Chemistry B, 2014, 118, 10662-10674.	2.6	64

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55	Physical and monolayer film properties of potential fatty ester biolubricants. European Journal of Lipid Science and Technology, 2014, 116, n/a-n/a.	1.5	6
56	Density Profiles of Liquid/Vapor Interfaces Away from Their Critical Points. Journal of Physical Chemistry C, 2014, 118, 12405-12409.	3.1	9
57	Insertion of apoLp-III into a lipid monolayer is more favorable for saturated, more ordered, acyl-chains. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 482-492.	2.6	14
58	X-ray Reflectivity Reveals a Nonmonotonic Ion-Density Profile Perpendicular to the Surface of ErCl₃ Aqueous Solutions. Journal of Physical Chemistry C, 2013, 117, 19082-19090.	3.1	25
59	Ion Distributions at the Water/1,2-Dichloroethane Interface: Potential of Mean Force Approach to Analyzing X-ray Reflectivity and Interfacial Tension Measurements. Journal of Physical Chemistry B, 2013, 117, 5365-5378.	2.6	36
60	Interfacial Properties and Iron Binding to Bacterial Proteins That Promote the Growth of Magnetite Nanocrystals: X-ray Reflectivity and Surface Spectroscopy Studies. Langmuir, 2012, 28, 4274-4282.	3.5	28
61	Amorphous iron-(hydr) oxide networks at liquid/vapor interfaces: In situ X-ray scattering and spectroscopy studies. Journal of Colloid and Interface Science, 2012, 384, 45-54.	9.4	6
62	Surface Nanocrystallization of an Ionic Liquid. Physical Review Letters, 2012, 108, 055502.	7.8	39
63	X-ray fluorescence from a model liquid/liquid solvent extraction system. Journal of Applied Physics, 2011, 110, .	2.5	15
64	Neutrally Charged Gas/Liquid Interface by a Catanionic Langmuir Monolayer. Journal of Physical Chemistry Letters, 2010, 1, 1936-1940.	4.6	21
65	Thermally excited capillary waves at vapor/liquid interfaces of waterâ€“alcohol mixtures. Journal of Physics Condensed Matter, 2009, 21, 115105.	1.8	9
66	Structure of Ceramide-1-Phosphate at the Air-Water Solution Interface in the Absence and Presence of Ca2+. Biophysical Journal, 2009, 96, 2204-2215.	0.5	27
67	X-ray fluorescence spectroscopy from ions at charged vapor/water interfaces. Journal of Applied Physics, 2009, 105, .	2.5	37
68	Preferential Affinity of Calcium Ions to Charged Phosphatidic Acid Surface from a Mixed Calcium/Barium Solution: X-ray Reflectivity and Fluorescence Studies. Langmuir, 2009, 25, 1068-1073.	3.5	29
69	Bilayer and Trilayer Crystalline Formation by Collapsing Behenic Acid Monolayers at Gas/Aqueous Interfaces. Langmuir, 2008, 24, 441-447.	3.5	25
70	Interfacial Restructuring of Ionic Liquids Determined by Sum-Frequency Generation Spectroscopy and X-Ray Reflectivity. Journal of Physical Chemistry C, 2008, 112, 19649-19654.	3.1	116
71	Extracting the pair distribution function of liquids and liquid-vapor surfaces by grazing incidence x-ray diffraction mode. Journal of Chemical Physics, 2008, 129, 044504.	3.0	13
72	Ordering by Collapse:Â Formation of Bilayer and Trilayer Crystals by Folding Langmuir Monolayers. Langmuir, 2007, 23, 1888-1897.	3.5	51

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73	How Accurate Is Poissonâ^'Boltzmann Theory for Monovalent Ions near Highly Charged Interfaces?. Langmuir, 2006, 22, 5673-5681.	3.5	60
74	Ion distributions at charged aqueous surfaces by near-resonance X-ray spectroscopy. Journal of Synchrotron Radiation, 2006, 13, 459-463.	2.4	14
75	Monovalent counterion distributions at highly charged water interfaces: Proton-transfer and Poisson-Boltzmann theory. Physical Review E, 2005, 72, 060501.	2.1	32
76	Electronic structure in finite-length deformed metallic carbon nanotubes. European Physical Journal B, 2004, 42, 503-508.	1.5	7
77	Localization length in deformed metallic carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 125-130.	2.1	7
78	Iron Binding in an Ethylenediaminetetracetic Acidâ€Based Gemini Surfactant Monolayer Film. Journal of Surfactants and Detergents, 0, , .	2.1	3