Mark W Rutland

List of Publications by Year
in descending order

250 papers	16,400 citations	13865 67 h-index	19190 118 g-index
258 all docs	258 docs citations	258 times ranked	11171 citing authors

#	Article	IF	Citations
1	Interfacial nanostructure and friction of a polymeric ionic liquid-ionic liquid mixture as a function of potential at Au(1 1 1) electrode interface. Journal of Colloid and Interface Science, 2022, 606, 1170-1178.	9.4	8
2	Nanostructure, electrochemistry and potential-dependent lubricity of the catanionic surface-active ionic liquid [P6,6,6,14] [AOT]. Journal of Colloid and Interface Science, 2022, 608, 2120-2130.	9.4	8
3	Self-assembled nanostructure induced in deep eutectic solvents via an amphiphilic hydrogen bond donor. Journal of Colloid and Interface Science, 2022, 616, 121-128.	9.4	13
4	pH-Dependent surface charge at the interfaces between aluminum gallium nitride (AlGaN) and aqueous solution revealed by surfactant adsorption. Journal of Colloid and Interface Science, 2021, 583, 331-339.	9.4	4
5	Tuneable interfacial surfactant aggregates mimic lyotropic phases and facilitate large scale nanopatterning. Nanoscale, 2021, 13, 371-379.	5.6	3
6	Potential-Dependent Superlubricity of Ionic Liquids on a Graphite Surface. Journal of Physical Chemistry C, 2021, 125, 3940-3947.	3.1	23
7	Electrical Double Layer Structure in Ionic Liquids and Its Importance for Supercapacitor, Battery, Sensing, and Lubrication Applications. Journal of Physical Chemistry C, 2021, 125, 13707-13720.	3.1	56
8	A Curly Q: Is Frizz a Matter of Friction?. Perception, 2021, 50, 728-732.	1.2	3
9	A Sticky Situation or Rough Going? Influencing Haptic Perception of Wood Coatings Through Frictional and Topographical Design. Tribology Letters, 2021, 69, 1.	2.6	3
10	Micro- to Nano- and from Surface to Bulk: Influence of Halogen-Free Ionic Liquid Architecture and Dissociation on Green Oil Lubricity. ACS Sustainable Chemistry and Engineering, 2021, 9, 13606-13617.	6.7	12
11	Boundary lubricity of phosphonium bisoxalatoborate ionic liquids. Tribology International, 2021, 161, 107075.	5.9	11
12	Effects of surface oxidation on the pH-dependent surface charge of oxidized aluminum gallium nitride. Journal of Colloid and Interface Science, 2021, 603, 604-614.	9.4	3
13	The effect of anion architecture on the lubrication chemistry of phosphonium orthoborate ionic liquids. Scientific Reports, 2021, 11, 24021.	3.3	13
14	3D texturing of the airâ€“water interface by biomimetic self-assembly. Nanoscale Horizons, 2020, 5, 839-846.	8.0	6
15	Nanotribology of hydrogels with similar stiffness but different polymer and crosslinker concentrations. Journal of Colloid and Interface Science, 2020, 563, 347-353.	9.4	16
16	Bioinspired Self-Assembled 3D Patterned Polymer Textures as Skin Coatings Models: Tribology and Tactile Behavior. Biotribology, 2020, 24, 100151.	1.9	3
17	Electroresponsive structuring and friction of a non-halogenated ionic liquid in a polar solvent: effect of concentration. Physical Chemistry Chemical Physics, 2020, 22, 19162-19171.	2.8	16
18	The finishing touches: the role of friction and roughness in haptic perception of surface coatings. Experimental Brain Research, 2020, 238, 1511-1524.	1.5	7

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19	Effect of Hydrogen Bonding between Ions of Like Charge on the Boundary Layer Friction of Hydroxy-Functionalized Ionic Liquids. Journal of Physical Chemistry Letters, 2020, 11, 3905-3910.	4.6	18
20	Interfacial structuring of non-halogenated imidazolium ionic liquids at charged surfaces: effect of alkyl chain length. Physical Chemistry Chemical Physics, 2020, 22, 8450-8460.	2.8	41
21	Effect of water on the electroresponsive structuring and friction in dilute and concentrated ionic liquid lubricant mixtures. Physical Chemistry Chemical Physics, 2020, 22, 28191-28201.	2.8	8
22	Self-assembled nanostructures in ionic liquids facilitate charge storage at electrified interfaces. Nature Materials, 2019, 18, 1350-1357.	27.5	144
23	Potential Dependence of Surfactant Adsorption at the Graphite Electrode/Deep Eutectic Solvent Interface. Journal of Physical Chemistry Letters, 2019, 10, 5331-5337.	4.6	6
24	Influence of Hydrogen Bonding between Ions of Like Charge on the Ionic Liquid Interfacial Structure at a Mica Surface. Journal of Physical Chemistry Letters, 2019, 10, 7368-7373.	4.6	20
25	Electro-Responsive Surface Composition and Kinetics of an Ionic Liquid in a Polar Oil. Langmuir, 2019, 35, 15692-15700.	3.5	25
26	DTAB micelle formation in ionic liquid/water mixtures is determined by ionic liquid cation structure. Journal of Colloid and Interface Science, 2019, 552, 597-603.	9.4	10
27	Nano- and Macroscale Study of the Lubrication of Titania Using Pure and Diluted Ionic Liquids. Frontiers in Chemistry, 2019, 7, 287.	3.6	20
28	Pinewood pyrolysis occurs at lower temperatures following treatment with choline-amino acid ionic liquids. Fuel, 2019, 236, 306-312.	6.4	21
29	Seâ€"C Cleavage of Hexane Selenol at Steps on Au(111). Langmuir, 2018, 34, 2630-2636.	3.5	2
30	Electro-responsivity of ionic liquid boundary layers in a polar solvent revealed by neutron reflectance. Journal of Chemical Physics, 2018, 148, 193806.	3.0	33
31	Milling induced amorphisation and recrystallization of Î±-lactose monohydrate. International Journal of Pharmaceutics, 2018, 537, 140-147.	5.2	14
32	The Au(111)/IL interfacial nanostructure in the presence of precursors and its influence on the electrodeposition process. Faraday Discussions, 2018, 206, 459-473.	3.2	11
33	Structure and dynamics of ionic liquids: general discussion. Faraday Discussions, 2018, 206, 291-337.	3.2	8
34	Ionic liquids at interfaces: general discussion. Faraday Discussions, 2018, 206, 549-586.	3.2	0
35	Anomalous Interfacial Structuring of a Non-Halogenated Ionic Liquid: Effect of Substrate and Temperature. Colloids and Interfaces, 2018, 2, 60.	2.1	11
36	Feeling Smooth: Psychotribological Probing of Molecular Composition. Tribology Letters, 2018, 66, 1.	2.6	12

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37	Ionic Liquid Adsorption at the Silicaâ€"Oil Interface Revealed by Neutron Reflectometry. Journal of Physical Chemistry C, 2018, 122, 24077-24084.	3.1	16
38	Nanostructured ionic liquids and their solutions: Recent advances and emerging challenges. Current Opinion in Green and Sustainable Chemistry, 2018, 12, 27-32.	5.9	46
39	Interfacial Behavior of Orthoborate Ionic Liquids at Inorganic Oxide Surfaces Probed by NMR, IR, and Raman Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 19687-19698.	3.1	23
40	Mechanisms of tactile sensory deterioration amongst the elderly. Scientific Reports, 2018, 8, 5303.	3.3	53
41	Determination of Interfacial Amorphicity in Functional Powders. Langmuir, 2017, 33, 920-926.	3.5	9
42	Boundary layer friction of solvate ionic liquids as a function of potential. Faraday Discussions, 2017, 199, 311-322.	3.2	30
43	Effect of cation alkyl chain length on surface forces and physical properties in deep eutectic solvents. Journal of Colloid and Interface Science, 2017, 494, 373-379.	9.4	82
44	Chemical physics of electroactive materials: concluding remarks. Faraday Discussions, 2017, 199, 615-630.	3.2	1
45	Long range electrostatic forces in ionic liquids. Chemical Communications, 2017, 53, 1214-1224.	4.1	285
46	Ionic Liquid Lubrication of Stainless Steel: Friction is Inversely Correlated with Interfacial Liquid Nanostructure. ACS Sustainable Chemistry and Engineering, 2017, 5, 11737-11743.	6.7	59
47	Acceleration of diffusion in ethylammonium nitrate ionic liquid confined between parallel glass plates. Physical Chemistry Chemical Physics, 2017, 19, 25853-25858.	2.8	28
48	Feeling fine - the effect of topography and friction on perceived roughness and slipperiness. Biotribology, 2017, 11, 92-101.	1.9	20
49	AFM Colloidal Probe Measurements Implicate Capillary Condensation in Punchâ€"Particle Surface Interactions during Tableting. Langmuir, 2017, 33, 13180-13188.	3.5	10
50	Electrotunable wetting, and micro- and nanofluidics: general discussion. Faraday Discussions, 2017, 199, 195-237.	3.2	2
51	Effect of Variation in Anion Type and Glyme Length on the Nanostructure of the Solvate Ionic Liquid/Graphite Interface as a Function of Potential. Journal of Physical Chemistry C, 2017, 121, 15728-15734.	3.1	14
52	In-situ evaluation of dye adsorption on TiO2using QCM. EPJ Photovoltaics, 2017, 8, 80401.	1.6	0
53	Ionic Liquids as Grease Base Liquids. Lubricants, 2017, 5, 31.	2.9	10
54	Hair-Hair Contact Dynamics and Interactions Studied with Atomic Force Microscopy. , 2017, , 835-845.		1

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55	Nanotribology of Ionic Liquids as Lubricant Additives for Alumina Surfaces. Journal of Physical Chemistry C, 2017, 121, 28348-28353.	3.1	23
56	Disruption of Higher Order DNA Structures in Friedreichâ€™s Ataxia (GAA)n Repeats by PNA or LNA Targeting. PLoS ONE, 2016, 11, e0165788.	2.5	18
57	Dissolved chloride markedly changes the nanostructure of the protic ionic liquids propylammonium and ethanolammonium nitrate. Physical Chemistry Chemical Physics, 2016, 18, 17169-17182.	2.8	13
58	Ionic liquid nanostructure enables alcohol self assembly. Physical Chemistry Chemical Physics, 2016, 18, 12797-12809.	2.8	32
59	Specific heat control of nanofluids: A critical review. International Journal of Thermal Sciences, 2016, 107, 25-38.	4.9	97
60	Structural effect of glymeâ€"Li+ salt solvate ionic liquids on the conformation of poly(ethylene oxide). Physical Chemistry Chemical Physics, 2016, 18, 14894-14903.	2.8	14
61	Influence of electric potential on the apparent viscosity of an ionic liquid: facts and artifacts. Physical Chemistry Chemical Physics, 2016, 18, 26609-26615.	2.8	2
62	Influence of Water on the Interfacial Nanostructure and Wetting of [Rmim][NTf2] Ionic Liquids at Mica Surfaces. Langmuir, 2016, 32, 8818-8825.	3.5	39
63	Combined Nano- and Macrotribology Studies of Titania Lubrication Using the Oil-Ionic Liquid Mixtures. ACS Sustainable Chemistry and Engineering, 2016, 4, 5005-5012.	6.7	35
64	Tribotronic control of friction in oil-based lubricants with ionic liquid additives. Physical Chemistry Chemical Physics, 2016, 18, 23657-23662.	2.8	58
65	Tactile friction of topical formulations. Skin Research and Technology, 2016, 22, 46-54.	1.6	19
66	Adsorption of Xyloglucan onto Cellulose Surfaces of Different Morphologies: An Entropy-Driven Process. Biomacromolecules, 2016, 17, 2801-2811.	5.4	68
67	Mixed monolayers of alkane thiols with polar terminal group on gold: Investigation of structure dependent surface properties. Journal of Colloid and Interface Science, 2016, 484, 279-290.	9.4	13
68	Electrostatic Swelling Transitions in Surface-Bound Microgels. ACS Applied Materials & Interfaces, 2016, 8, 27129-27139.	8.0	23
69	A comparative AFM study of the interfacial nanostructure in imidazolium or pyrrolidinium ionic liquid electrolytes for zinc electrochemical systems. Physical Chemistry Chemical Physics, 2016, 18, 29337-29347.	2.8	24
70	Effect of Lithium Ions on Rheology and Interfacial Forces in Ethylammonium Nitrate and Ethanolammonium Nitrate. Journal of Physical Chemistry C, 2016, 120, 26960-26967.	3.1	12
71	Investigation of cobalt redox mediators and effects of TiO‹sub›2‹/sub› film topology in dye-sensitized solar cells. RSC Advances, 2016, 6, 56580-56588.	3.6	16
72	Metal ion adsorption at the ionic liquidâ€"mica interface. Nanoscale, 2016, 8, 906-914.	5.6	36

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73	Is the boundary layer of an ionic liquid equally lubricating at higher temperature?. Physical Chemistry Chemical Physics, 2016, 18, 9232-9239.	2.8	28
74	Poly(ethylene oxide) Mushrooms Adsorbed at Silicaâ€"Ionic Liquid Interfaces Reduce Friction. Langmuir, 2016, 32, 1947-1954.	3.5	7
75	Addition of low concentrations of an ionic liquid to a base oil reduces friction over multiple length scales: a combined nano- and macrotribology investigation. Physical Chemistry Chemical Physics, 2016, 18, 6541-6547.	2.8	46
76	Bulk nanostructure of the prototypical â€˜goodâ€™ and â€˜poorâ€™ solvate ionic liquids [Li(G4)][TFSI] and [Li(G4)][NO₃]. Physical Chemistry Chemical Physics, 2016, 18, 17224-17236.	2.8	49
77	In-situ study of substrate â€" catalyst interactions in a JuliÃ¡â€"Colonna epoxidation using quartz crystal microbalance with dissipation. Journal of Colloid and Interface Science, 2016, 469, 263-268.	9.4	4
78	Factors Affecting Peptide Interactions with Surface-Bound Microgels. Biomacromolecules, 2016, 17, 669-678.	5.4	27
79	Nanostructure of Deep Eutectic Solvents at Graphite Electrode Interfaces as a Function of Potential. Journal of Physical Chemistry C, 2016, 120, 2225-2233.	3.1	58
80	Nanomechanical properties of human skin and introduction of a novel hair indenter. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 54, 185-193.	3.1	16
81	In situ scanning tunneling microscopy (STM), atomic force microscopy (AFM) and quartz crystal microbalance (EQCM) studies of the electrochemical deposition of tantalum in two different ionic liquids with the 1-butyl-1-methylpyrrolidinium cation. Electrochimica Acta, 2016, 197, 374-387.	5.2	31
82	Ion structure controls ionic liquid near-surface and interfacial nanostructure. Chemical Science, 2015, 6, 527-536.	7.4	93
83	Micelle Structure of Novel Diblock Polyethers in Water and Two Protic Ionic Liquids (EAN and PAN). Macromolecules, 2015, 48, 1843-1851.	4.8	25
84	Structure and Nanostructure in Ionic Liquids. Chemical Reviews, 2015, 115, 6357-6426.	47.7	1,793
85	Nanostructure of the Ionic Liquidâ€"Graphite Stern Layer. ACS Nano, 2015, 9, 7608-7620.	14.6	156
86	Can Cobalt(II) and Chromium(III) Ions Released from Joint Prostheses Influence the Friction Coefficient?. ACS Biomaterials Science and Engineering, 2015, 1, 617-620.	5.2	25
87	In Situ Atomic Force Microscopic Studies of the Interfacial Multilayer Nanostructure of LiTFSIâ€"[Py_{1,Â4}]TFSI on Au(111): Influence of Li⁺ Ion Concentration on the Au(111)/IL Interface. Journal of Physical Chemistry C, 2015, 119, 16734-16742.	3.1	48
88	Structural and aggregate analyses of (Li salt + glyme) mixtures: the complex nature of solvate ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 22321-22335.	2.8	78
89	Amplitude-Modulated Atomic Force Microscopy Reveals the Near Surface Nanostructure of Surfactant Sponge (L₃) and Lamellar (L_{Î±}) Phases. Langmuir, 2015, 31, 5513-5520.	3.5	8
90	Atomistic Insight into Tetraalkylphosphonium-Bis(oxalato)borate Ionic Liquid/Water Mixtures. I. Local Microscopic Structure. Journal of Physical Chemistry B, 2015, 119, 5251-5264.	2.6	38

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91	Conformation of poly(ethylene oxide) dissolved in the solvate ionic liquid [Li(G4)]TFSI. Physical Chemistry Chemical Physics, 2015, 17, 14872-14878.	2.8	30
92	Tablet mechanics depend on nano and micro scale adhesion, lubrication and structure. International Journal of Pharmaceutics, 2015, 486, 315-323.	5.2	14
93	Near surface properties of mixtures of propylammonium nitrate with n-alkanols 2. Nanotribology and fluid dynamics. Physical Chemistry Chemical Physics, 2015, 17, 26629-26637.	2.8	12
94	Near surface properties of mixtures of propylammonium nitrate with n-alkanols 1. Nanostructure. Physical Chemistry Chemical Physics, 2015, 17, 26621-26628.	2.8	14
95	The origin of surfactant amphiphilicity and self-assembly in protic ionic liquids. Chemical Science, 2015, 6, 6189-6198.	7.4	45
96	Weighing the surface charge of an ionic liquid. Nanoscale, 2015, 7, 16039-16045.	5.6	28
97	Nanostructure of [Li(G4)] TFSI and [Li(G4)] NO₃solvate ionic liquids at HOPG and Au(111) electrode interfaces as a function of potential. Physical Chemistry Chemical Physics, 2015, 17, 325-333.	2.8	61
98	Hair-Hair Contact Dynamics and Interactions Studied with Atomic Force Microscopy. , 2015, , 1-11.		0
99	Micro-minicircle Gene Therapy: Implications of Size on Fermentation, Complexation, Shearing Resistance, and Expression. Molecular Therapy - Nucleic Acids, 2014, 3, e140.	5.1	28
100	Effect of Protic Ionic Liquid and Surfactant Structure on Partitioning of Polyoxyethylene Nonâ€•ionic Surfactants. ChemPhysChem, 2014, 15, 2485-2489.	2.1	15
101	Ionic Liquid Adsorption and Nanotribology at the Silicaâ€"Oil Interface: Hundred-Fold Dilution in Oil Lubricates as Effectively as the Pure Ionic Liquid. Journal of Physical Chemistry Letters, 2014, 5, 4095-4099.	4.6	48
102	Structure and dynamics of the interfacial layer between ionic liquids and electrode materials. Journal of Molecular Liquids, 2014, 192, 44-54.	4.9	133
103	Role of microstructure on corrosion initiation of an experimental tool alloy: A Quantitative Nanomechanical Property Mapping study. Corrosion Science, 2014, 89, 236-241.	6.6	7
104	3-Dimensional atomic scale structure of the ionic liquidâ€"graphite interface elucidated by AM-AFM and quantum chemical simulations. Nanoscale, 2014, 6, 8100-8106.	5.6	78
105	Effect of ion structure on nanoscale friction in protic ionic liquids. Physical Chemistry Chemical Physics, 2014, 16, 16651.	2.8	41
106	An ionic liquid lubricant enables superlubricity to be â€œswitched onâ€•in situ using an electrical potential. Chemical Communications, 2014, 50, 4368.	4.1	154
107	Amphiphilic Self-Assembly of Alkanols in Protic Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 9983-9990.	2.6	68
108	Assessment of the Density Functional Tight Binding Method for Protic Ionic Liquids. Journal of Chemical Theory and Computation, 2014, 10, 4633-4643.	5.3	44

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109	Effect of dissolved LiCl on the ionic liquidâ€“Au(111) interface: an in situ STM study. Journal of Physics Condensed Matter, 2014, 26, 284111.	1.8	16
110	Self-assembly of long chain fatty acids: effect of a methyl branch. Physical Chemistry Chemical Physics, 2014, 16, 17869-17882.	2.8	9
111	Silica Particle Stability and Settling in Protic Ionic Liquids. Langmuir, 2014, 30, 1506-1513.	3.5	14
112	Influence of alkyl chain length and anion species on ionic liquid structure at the graphite interface as a function of applied potential. Journal of Physics Condensed Matter, 2014, 26, 284115.	1.8	47
113	Solvation of Inorganic Nitrate Salts in Protic Ionic Liquids. Journal of Physical Chemistry C, 2014, 118, 21215-21225.	3.1	44
114	Effect of Cation Alkyl Chain Length and Anion Type on Protic Ionic Liquid Nanostructure. Journal of Physical Chemistry C, 2014, 118, 13998-14008.	3.1	111
115	Nanostructureâ€“Thermal Conductivity Relationships in Protic Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 12017-12024.	2.6	30
116	Nanostructure of an ionic liquidâ€“glycerol mixture. Physical Chemistry Chemical Physics, 2014, 16, 13182-13190.	2.8	37
117	Monolayer Study by VSFS: In Situ Response to Compression and Shear in a Contact. Langmuir, 2014, 30, 3075-3085.	3.5	16
118	Combined STM, AFM, and DFT Study of the Highly Ordered Pyrolytic Graphite/1-Octyl-3-methyl-imidazolium Bis(trifluoromethylsulfonyl)imide Interface. Journal of Physical Chemistry C, 2014, 118, 10833-10843.	3.1	65
119	Non-ionic assembly of nanofibrillated cellulose and polyethylene glycol grafted carboxymethyl cellulose and the effect of aqueous lubrication in nanocomposite formation. Soft Matter, 2013, 9, 7448.	2.7	34
120	Surface wrinkling: the phenomenon causing bees in bitumen. Journal of Materials Science, 2013, 48, 6970-6976.	3.7	72
121	Tribological Properties Mapping: Local Variation in Friction Coefficient and Adhesion. Tribology Letters, 2013, 50, 387-395.	2.6	14
122	Rheology of Protic Ionic Liquids and Their Mixtures. Journal of Physical Chemistry B, 2013, 117, 13930-13935.	2.6	94
123	Feeling Small: Exploring the Tactile Perception Limits. Scientific Reports, 2013, 3, 2617.	3.3	205
124	Effect of alkyl chain length and anion species on the interfacial nanostructure of ionic liquids at the Au(111)â€“ionic liquid interface as a function of potential. Physical Chemistry Chemical Physics, 2013, 15, 14624.	2.8	163
125	Ionic liquid lubrication: influence of ion structure, surface potential and sliding velocity. Physical Chemistry Chemical Physics, 2013, 15, 14616.	2.8	140
126	Low friction and high load bearing capacity layers formed by cationic-block-non-ionic bottle-brush copolymers in aqueous media. Soft Matter, 2013, 9, 5361.	2.7	46

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127	Adsorbed and near surface structure of ionic liquids at a solid interface. Physical Chemistry Chemical Physics, 2013, 15, 3320.	2.8	114
128	The Nature of Hydrogen Bonding in Protic Ionic Liquids. Angewandte Chemie - International Edition, 2013, 52, 4623-4627.	13.8	208
129	Nanobiocomposite Adhesion: Role of Graft Length and Temperature in a Hybrid Biomimetic Approach. Biomacromolecules, 2013, 14, 1003-1009.	5.4	11
130	Adsorbed and near-surface structure of ionic liquids determines nanoscale friction. Chemical Communications, 2013, 49, 6797.	4.1	71
131	New Insight on the Friction of Natural Fibers. Effect of Sliding Angle and Anisotropic Surface Topography. Langmuir, 2013, 29, 5857-5862.	3.5	16
132	Note: Determination of torsional spring constant of atomic force microscopy cantilevers: Combining normal spring constant and classical beam theory. Review of Scientific Instruments, 2013, 84, 096102.	1.3	28
133	Control of Nanoscale Friction on Gold in an Ionic Liquid by a Potential-Dependent Ionic Lubricant Layer. Physical Review Letters, 2012, 109, 155502.	7.8	201
134	Surface Composition of Mixtures of Ethylammonium Nitrate, Ethanolammonium Nitrate, and Water. Australian Journal of Chemistry, 2012, 65, 1554.	0.9	10
135	Ionic liquid nanotribology: micaâ€"silica interactions in ethylammonium nitrate. Physical Chemistry Chemical Physics, 2012, 14, 5147-5152.	2.8	80
136	Surface structure of a â€œnon-amphiphilicâ€•protic ionic liquid. Physical Chemistry Chemical Physics, 2012, 14, 5106.	2.8	29
137	Surfactant Adsorption at the Surface of Mixed Ionic Liquids and Ionic Liquid Water Mixtures. Langmuir, 2012, 28, 13224-13231.	3.5	26
138	Embedded proteins and sacrificial bonds provide the strong adhesive properties of gastroliths. Nanoscale, 2012, 4, 3910.	5.6	17
139	Ionic Liquid Nanotribology: Stiction Suppression and Surface Induced Shear Thinning. Langmuir, 2012, 28, 9967-9976.	3.5	60
140	Effect of dissolved LiCl on the ionic liquidâ€"Au(111) electrical double layer structure. Chemical Communications, 2012, 48, 10246.	4.1	70
141	Electrostatically Anchored Branched Brush Layers. Langmuir, 2012, 28, 15537-15547.	3.5	40
142	In situ STM, AFM and DTS study of the interface 1-hexyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate/Au(111). Electrochimica Acta, 2012, 82, 48-59.	5.2	53
143	The interface ionic liquid(s)/electrode(s): In situSTM and AFM measurements. Faraday Discussions, 2012, 154, 221-233.	3.2	176
144	Molecular Structure and Stability of Phospholipid Monolayers Probed by Vibrational Sum Frequency Spectroscopy (VSFS). Biophysical Journal, 2012, 102, 591a.	0.5	2

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145	Boundary lubrication by brushed salivary conditioning films and their degree of glycosylation. Clinical Oral Investigations, 2012, 16, 1499-1506.	3.0	19
146	How Water Dissolves in Protic Ionic Liquids. Angewandte Chemie - International Edition, 2012, 51, 7468-7471.	13.8	173
147	Probing the protic ionic liquid surface using X-ray reflectivity. Physical Chemistry Chemical Physics, 2011, 13, 20828.	2.8	41
148	Crown ethers at the aqueous solutionâ€"air interface: 1. Assignments and surface spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 7930.	2.8	3
149	Crown ethers at the aqueous solutionâ€"air interface. Part 2. Electrolyte effects, ethylene oxide hydration and temperature behaviour. Physical Chemistry Chemical Physics, 2011, 13, 7939.	2.8	0
150	Pronounced sponge-like nanostructure in propylammonium nitrate. Physical Chemistry Chemical Physics, 2011, 13, 13544.	2.8	166
151	Supported Phospholipid Monolayers. The Molecular Structure Investigated by Vibrational Sum Frequency Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 10617-10629.	3.1	40
152	Conformation of Poly(ethylene oxide) Dissolved in Ethylammonium Nitrate. Journal of Physical Chemistry B, 2011, 115, 648-652.	2.6	47
153	Compact Poly(ethylene oxide) Structures Adsorbed at the Ethylammonium Nitrateâ^'Silica Interface. Langmuir, 2011, 27, 3541-3549.	3.5	27
154	An in situ STM/AFM and impedance spectroscopy study of the extremely pure 1-butyl-1-methylpyrrolidinium tris(pentafluoroethyl)trifluorophosphate/Au(111) interface: potential dependent solvation layers and the herringbone reconstruction. Physical Chemistry Chemical Physics, 2011, 13, 6849.	2.8	224
155	Double Layer Structure of Ionic Liquids at the Au(111) Electrode Interface: An Atomic Force Microscopy Investigation. Journal of Physical Chemistry C, 2011, 115, 6855-6863.	3.1	336
156	Amphiphilicity determines nanostructure in protic ionic liquids. Physical Chemistry Chemical Physics, 2011, 13, 3237-3247.	2.8	270
157	Membrane selectivity by W-tagging of antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1081-1091.	2.6	71
158	Robust Hydrophobic Surfaces Displaying Different Surface Roughness Scales While Maintaining the Same Wettability. Langmuir, 2011, 27, 8153-8159.	3.5	32
159	Tactile perception: Finger friction, surface roughness and perceived coarseness. Tribology International, 2011, 44, 505-512.	5.9	101
160	Mixtures of n-dodecyl-Î²-d-maltoside and hexaoxyethylene dodecyl ether â€" Surface properties, bulk properties, foam films, and foams. Advances in Colloid and Interface Science, 2010, 155, 5-18.	14.7	54
161	Finger Friction Measurements on Coated and Uncoated Printing Papers. Tribology Letters, 2010, 37, 389-399.	2.6	58
162	Adsorption of lysozyme, Î²-casein and their layer-by-layer formation on hydrophilic surfaces: Effect of ionic strength. Colloids and Surfaces B: Biointerfaces, 2010, 77, 1-11.	5.0	44

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163	Direct Surface Force Measurements of Polyelectrolyte Multilayer Films Containing Nanocrystalline Cellulose. Langmuir, 2010, 26, 17190-17197.	3.5	59
164	Phospholipid Monolayers Probed by Vibrational Sum Frequency Spectroscopy: Instability of Unsaturated Phospholipids. Biophysical Journal, 2010, 98, L50-L52.	0.5	74
165	Propylammonium Nitrate as a Solvent for Amphiphile Self-Assembly into Micelles, Lyotropic Liquid Crystals, and Microemulsions. Journal of Physical Chemistry B, 2010, 114, 1350-1360.	2.6	93
166	Surprising Particle Stability and Rapid Sedimentation Rates in an Ionic Liquid. Journal of Physical Chemistry Letters, 2010, 1, 64-68.	4.6	82
167	Nonionic Surfactant Adsorption at the Ethylammonium Nitrate Surface: A Neutron Reflectivity and Vibrational Sum Frequency Spectroscopy Study. Langmuir, 2010, 26, 8313-8318.	3.5	27
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