Rob Atkin

List of Publications by Year
in descending order

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179 papers	14,927 citations	20759 60 h-index	19690 117 g-index
186 all docs	186 docs citations	186 times ranked	11758 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.	5.0	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.	5.0	8
3	Polycation radius of gyration in a polymeric ionic liquid (PIL): the PIL melt is not a theta solvent. Physical Chemistry Chemical Physics, 2022, 24, 4526-4532.	1.3	5
4	Nanostructure in amino acid ionic molecular hybrid solvents. Journal of Molecular Liquids, 2022, 351, 118599.	2.3	12
5	Self-assembled nanostructure induced in deep eutectic solvents via an amphiphilic hydrogen bond donor. Journal of Colloid and Interface Science, 2022, 616, 121-128.	5.0	13
6	A dendronised polymer architecture breaks the conventional inverse relationship between porosity and mechanical properties of hydrogels. Chemical Communications, 2021, 57, 773-776.	2.2	7
7	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.	5.0	4
8	Liquid nanostructure of choline lysinate with water and a model lignin residue. Green Chemistry, 2021, 23, 856-866.	4.6	13
9	Potential-Dependent Superlubricity of Ionic Liquids on a Graphite Surface. Journal of Physical Chemistry C, 2021, 125, 3940-3947.	1.5	23
10	Liquid Nanostructure of Cholinium Argininate Biomass Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 2880-2890.	3.2	11
11	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.	1.5	56
12	Aqueous choline amino acid deep eutectic solvents. Journal of Chemical Physics, 2021, 154, 214504.	1.2	10
13	Ambient energy dispersion and long-term stabilisation of large graphene sheets from graphite using a surface energy matched ionic liquidâ€. Journal of Ionic Liquids, 2021, 1, 100001.	1.0	6
14	Conformation of poly(ethylene glycol) in aqueous cholinium amino acid hybrid solvents. Journal of Colloid and Interface Science, 2021, 602, 334-343.	5.0	4
15	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.	5.0	3
16	Solvophobicity and amphiphilic self-assembly in neoteric and nanostructured solvents. Current Opinion in Colloid and Interface Science, 2020, 45, 83-96.	3.4	17
17	Nanotribology of hydrogels with similar stiffness but different polymer and crosslinker concentrations. Journal of Colloid and Interface Science, 2020, 563, 347-353.	5.0	16
18	Liquid Structure of Single and Mixed Cation Alkylammonium Bromide Urea Deep Eutectic Solvents. Journal of Physical Chemistry B, 2020, 124, 8651-8664.	1.2	11

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19	Unusual origin of choline phenylalaninate ionic liquid nanostructure. Journal of Molecular Liquids, 2020, 319, 114327.	2.3	12
20	Engineering high-energy-density sodium battery anodes for improved cycling with superconcentrated ionic-liquid electrolytes. Nature Materials, 2020, 19, 1096-1101.	13.3	156
21	Passivation by pyridine-induced PbI₂ in methylammonium lead iodide perovskites. RSC Advances, 2020, 10, 23829-23833.	1.7	8
22	Catanionic Surfactant Self-Assembly in Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2020, 11, 5926-5931.	2.1	23
23	Physicochemical study of diethylmethylammonium methanesulfonate under anhydrous conditions. Journal of Chemical Physics, 2020, 152, 234504.	1.2	8
24	Amphiphilic nanostructure in choline carboxylate and amino acid ionic liquids and solutions. Physical Chemistry Chemical Physics, 2020, 22, 3490-3498.	1.3	28
25	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.	2.1	18
26	Self-assembled nanostructures in ionic liquids facilitate charge storage at electrified interfaces. Nature Materials, 2019, 18, 1350-1357.	13.3	144
27	Potential Dependence of Surfactant Adsorption at the Graphite Electrode/Deep Eutectic Solvent Interface. Journal of Physical Chemistry Letters, 2019, 10, 5331-5337.	2.1	6
28	pH-dependent surface properties of the gallium nitride â€“ Solution interface mapped by surfactant adsorption. Journal of Colloid and Interface Science, 2019, 556, 680-688.	5.0	4
29	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.	2.1	20
30	Electro-Responsive Surface Composition and Kinetics of an Ionic Liquid in a Polar Oil. Langmuir, 2019, 35, 15692-15700.	1.6	25
31	Catanionic and chain-packing effects on surfactant self-assembly in the ionic liquid ethylammonium nitrate. Journal of Colloid and Interface Science, 2019, 540, 515-523.	5.0	16
32	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.	5.0	10
33	The Doubleâ€Faced Nature of Hydrogen Bonding in Hydroxyâ€Functionalized Ionic Liquids Shown by Neutron Diffraction and Molecular Dynamics Simulations. Angewandte Chemie - International Edition, 2019, 58, 12887-12892.	7.2	40
34	Die zweigesichtige Natur der WasserstoffbrÃ¼ckenbindung in hydroxylfunktionalisierten ionischen FlÃ¼ssigkeiten, offenbart durch Neutronendiffraktometrie und Molekulardynamikâ€Simulation. Angewandte Chemie, 2019, 131, 13019-13024.	1.6	5
35	Nano- and Macroscale Study of the Lubrication of Titania Using Pure and Diluted Ionic Liquids. Frontiers in Chemistry, 2019, 7, 287.	1.8	20
36	Effect of halides on the solvation of poly(ethylene oxide) in the ionic liquid propylammonium nitrate. Journal of Colloid and Interface Science, 2019, 534, 649-654.	5.0	6

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37	Pinewood pyrolysis occurs at lower temperatures following treatment with choline-amino acid ionic liquids. Fuel, 2019, 236, 306-312.	3.4	21
38	Nanostructure of the deep eutectic solvent/platinum electrode interface as a function of potential and water content. Nanoscale Horizons, 2019, 4, 158-168.	4.1	67
39	The Ionic Liquid Cholinium Arginate Is an Efficient Solvent for Extracting High-Value Nannochloropsis sp. Lipids. ACS Sustainable Chemistry and Engineering, 2019, 7, 2538-2544.	3.2	30
40	Dissolution and suspension of asphaltenes with ionic liquids. Fuel, 2019, 238, 129-138.	3.4	45
41	Structural Design of Ionic Liquids for Optimizing Aromatic Dissolution. ChemSusChem, 2019, 12, 270-274.	3.6	15
42	The High Performance of Choline Arginate for Biomass Pretreatment Is Due to Remarkably Strong Hydrogen Bonding by the Anion. ACS Sustainable Chemistry and Engineering, 2018, 6, 4115-4121.	3.2	18
43	The Au(111)/IL interfacial nanostructure in the presence of precursors and its influence on the electrodeposition process. Faraday Discussions, 2018, 206, 459-473.	1.6	11
44	Partially Naked Fluoride in Solvate Ionic Liquids. Journal of Physical Chemistry Letters, 2018, 9, 6662-6667.	2.1	15
45	Ionic Liquid Adsorption at the Silicaâ€“Oil Interface Revealed by Neutron Reflectometry. Journal of Physical Chemistry C, 2018, 122, 24077-24084.	1.5	16
46	Nanostructured ionic liquids and their solutions: Recent advances and emerging challenges. Current Opinion in Green and Sustainable Chemistry, 2018, 12, 27-32.	3.2	46
47	Amphiphilically Nanostructured Deep Eutectic Solvents. Journal of Physical Chemistry Letters, 2018, 9, 3922-3927.	2.1	57
48	Modification of lignites via low temperature ionic liquid treatment. Fuel Processing Technology, 2017, 155, 51-58.	3.7	44
49	Boundary layer friction of solvate ionic liquids as a function of potential. Faraday Discussions, 2017, 199, 311-322.	1.6	30
50	Mixing cations with different alkyl chain lengths markedly depresses the melting point in deep eutectic solvents formed from alkylammonium bromide salts and urea. Chemical Communications, 2017, 53, 2375-2377.	2.2	45
51	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.	5.0	82
52	Effect of protic ionic liquid nanostructure on phospholipid vesicle formation. Soft Matter, 2017, 13, 1364-1370.	1.2	27
53	Treatment of lignite and thermal coal with low cost amino acid based ionic liquid-water mixtures. Fuel, 2017, 202, 296-306.	3.4	62
54	Nanostructure of the H-terminated p-Si(111)/ionic liquid interface and the effect of added lithium salt. Physical Chemistry Chemical Physics, 2017, 19, 54-58.	1.3	8

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55	Dichotomous Well-defined Nanostructure with Weakly Arranged Ion Packing Explains the Solvency of Pyrrolidinium Acetate. Journal of Physical Chemistry B, 2017, 121, 6610-6617.	1.2	11
56	Stem cell migration and mechanotransduction on linear stiffness gradient hydrogels. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5647-5652.	3.3	370
57	Long range electrostatic forces in ionic liquids. Chemical Communications, 2017, 53, 1214-1224.	2.2	285
58	Switchable long-range double layer force observed in a protic ionic liquid. Chemical Communications, 2017, 53, 647-650.	2.2	44
59	Nanostructure, hydrogen bonding and rheology in choline chloride deep eutectic solvents as a function of the hydrogen bond donor. Physical Chemistry Chemical Physics, 2017, 19, 3297-3306.	1.3	272
60	Ionic Liquid Lubrication of Stainless Steel: Friction is Inversely Correlated with Interfacial Liquid Nanostructure. ACS Sustainable Chemistry and Engineering, 2017, 5, 11737-11743.	3.2	59
61	Small angle neutron scattering study of the conformation of poly(ethylene oxide) dissolved in deep eutectic solvents. Journal of Colloid and Interface Science, 2017, 506, 486-492.	5.0	22
62	Effect of Deep Eutectic Solvent Nanostructure on Phospholipid Bilayer Phases. Langmuir, 2017, 33, 6878-6884.	1.6	43
63	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.	1.5	14
64	Ionic Liquids as Grease Base Liquids. Lubricants, 2017, 5, 31.	1.2	10
65	Low cost ionic liquidâ€“water mixtures for effective extraction of carbohydrate and lipid from algae. Faraday Discussions, 2017, 206, 93-112.	1.6	64
66	Nanotribology of Ionic Liquids as Lubricant Additives for Alumina Surfaces. Journal of Physical Chemistry C, 2017, 121, 28348-28353.	1.5	23
67	Kamletâ€“Taft Solvation Parameters of Solvate Ionic Liquids. ChemPhysChem, 2016, 17, 3096-3101.	1.0	16
68	Dissolved chloride markedly changes the nanostructure of the protic ionic liquids propylammonium and ethanolammonium nitrate. Physical Chemistry Chemical Physics, 2016, 18, 17169-17182.	1.3	13
69	Ionic liquid nanostructure enables alcohol self assembly. Physical Chemistry Chemical Physics, 2016, 18, 12797-12809.	1.3	32
70	Specific heat control of nanofluids: A critical review. International Journal of Thermal Sciences, 2016, 107, 25-38.	2.6	97
71	Structural effect of glymeâ€“Li+ salt solvate ionic liquids on the conformation of poly(ethylene oxide). Physical Chemistry Chemical Physics, 2016, 18, 14894-14903.	1.3	14
72	Influence of Water on the Interfacial Nanostructure and Wetting of [Rmim][NTf2] Ionic Liquids at Mica Surfaces. Langmuir, 2016, 32, 8818-8825.	1.6	39

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73	Combined Nano- and Macrotribology Studies of Titania Lubrication Using the Oil-Ionic Liquid Mixtures. ACS Sustainable Chemistry and Engineering, 2016, 4, 5005-5012.	3.2	35
74	Tribotronic control of friction in oil-based lubricants with ionic liquid additives. Physical Chemistry Chemical Physics, 2016, 18, 23657-23662.	1.3	58
75	Molecular Resolution in situ Imaging of Spontaneous Graphene Exfoliation. Journal of Physical Chemistry Letters, 2016, 7, 3118-3122.	2.1	34
76	The thermoelectrochemistry of lithiumâ€“glyme solvate ionic liquids: towards waste heat harvesting. Physical Chemistry Chemical Physics, 2016, 18, 20768-20777.	1.3	27
77	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.	1.3	24
78	Effect of Lithium Ions on Rheology and Interfacial Forces in Ethylammonium Nitrate and Ethanolammonium Nitrate. Journal of Physical Chemistry C, 2016, 120, 26960-26967.	1.5	12
79	Metal ion adsorption at the ionic liquidâ€“mica interface. Nanoscale, 2016, 8, 906-914.	2.8	36
80	Is the boundary layer of an ionic liquid equally lubricating at higher temperature?. Physical Chemistry Chemical Physics, 2016, 18, 9232-9239.	1.3	28
81	Poly(ethylene oxide) Mushrooms Adsorbed at Silicaâ€“Ionic Liquid Interfaces Reduce Friction. Langmuir, 2016, 32, 1947-1954.	1.6	7
82	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.	1.3	46
83	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.	1.3	49
84	Spontaneous vesicle formation in a deep eutectic solvent. Soft Matter, 2016, 12, 1645-1648.	1.2	64
85	Nanostructure of Deep Eutectic Solvents at Graphite Electrode Interfaces as a Function of Potential. Journal of Physical Chemistry C, 2016, 120, 2225-2233.	1.5	58
86	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.	2.6	31
87	Ion structure controls ionic liquid near-surface and interfacial nanostructure. Chemical Science, 2015, 6, 527-536.	3.7	93
88	Micelle Structure of Novel Diblock Polyethers in Water and Two Protic Ionic Liquids (EAN and PAN). Macromolecules, 2015, 48, 1843-1851.	2.2	25
89	Structure and Nanostructure in Ionic Liquids. Chemical Reviews, 2015, 115, 6357-6426.	23.0	1,793
90	Nanostructure of the Ionic Liquidâ€“Graphite Stern Layer. ACS Nano, 2015, 9, 7608-7620.	7.3	156

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91	Combined friction force microscopy and quantum chemical investigation of the tribotronic response at the propylammonium nitrateâ€“graphite interface. Physical Chemistry Chemical Physics, 2015, 17, 16047-16052.	1.3	21
92	Surface Nanobubbles in Nonaqueous Media: Looking for Nanobubbles in DMSO, Formamide, Propylene Carbonate, Ethylammonium Nitrate, and Propylammonium Nitrate. ACS Nano, 2015, 9, 7596-7607.	7.3	77
93	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.	1.5	48
94	Structural and aggregate analyses of (Li salt + glyme) mixtures: the complex nature of solvate ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 22321-22335.	1.3	78
95	Adsorption of Polyether Block Copolymers at Silicaâ€“Water and Silicaâ€“Ethylammonium Nitrate Interfaces. Langmuir, 2015, 31, 7025-7031.	1.6	4
96	Amplitude-Modulated Atomic Force Microscopy Reveals the Near Surface Nanostructure of Surfactant Sponge (L₃) and Lamellar (L_{Î±}) Phases. Langmuir, 2015, 31, 5513-5520.	1.6	8
97	Transfer stamping of human mesenchymal stem cell patches using thermally expandable hydrogels with tunable cell-adhesive properties. Biomaterials, 2015, 54, 44-54.	5.7	30
98	Conformation of poly(ethylene oxide) dissolved in the solvate ionic liquid [Li(G4)]TFSI. Physical Chemistry Chemical Physics, 2015, 17, 14872-14878.	1.3	30
99	Interfacial and Bulk Nanostructure of Liquid Polymer Nanocomposites. Langmuir, 2015, 31, 3763-3770.	1.6	7
100	Near surface properties of mixtures of propylammonium nitrate with n-alkanols 2. Nanotribology and fluid dynamics. Physical Chemistry Chemical Physics, 2015, 17, 26629-26637.	1.3	12
101	Near surface properties of mixtures of propylammonium nitrate with n-alkanols 1. Nanostructure. Physical Chemistry Chemical Physics, 2015, 17, 26621-26628.	1.3	14
102	Investigations into Physicochemical Changes in Thermal Coals during Low-Temperature Ionic Liquid Treatment. Energy & Fuels, 2015, 29, 7080-7088.	2.5	29
103	The origin of surfactant amphiphilicity and self-assembly in protic ionic liquids. Chemical Science, 2015, 6, 6189-6198.	3.7	45
104	Weighing the surface charge of an ionic liquid. Nanoscale, 2015, 7, 16039-16045.	2.8	28
105	Scattering from ionic liquids. Current Opinion in Colloid and Interface Science, 2015, 20, 282-292.	3.4	37
106	Physicochemical interactions of ionic liquids with coal; the viability of ionic liquids for pre-treatments in coal liquefaction. Fuel, 2015, 143, 244-252.	3.4	59
107	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.	1.3	61
108	Digital Plasmonic Patterning for Localized Tuning of Hydrogel Stiffness. Advanced Functional Materials, 2014, 24, 4922-4926.	7.8	39

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109	Effect of Protic Ionic Liquid and Surfactant Structure on Partitioning of Polyoxyethylene Nonâ€ionic Surfactants. ChemPhysChem, 2014, 15, 2485-2489.	1.0	15
110	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.	2.1	48
111	Structure and dynamics of the interfacial layer between ionic liquids and electrode materials. Journal of Molecular Liquids, 2014, 192, 44-54.	2.3	133
112	3-Dimensional atomic scale structure of the ionic liquidâ€“graphite interface elucidated by AM-AFM and quantum chemical simulations. Nanoscale, 2014, 6, 8100-8106.	2.8	78
113	Effect of ion structure on nanoscale friction in protic ionic liquids. Physical Chemistry Chemical Physics, 2014, 16, 16651.	1.3	41
114	An ionic liquid lubricant enables superlubricity to be â€œswitched onâ€•in situ using an electrical potential. Chemical Communications, 2014, 50, 4368.	2.2	154
115	Amphiphilic Self-Assembly of Alkanols in Protic Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 9983-9990.	1.2	68
116	Assessment of the Density Functional Tight Binding Method for Protic Ionic Liquids. Journal of Chemical Theory and Computation, 2014, 10, 4633-4643.	2.3	44
117	Effect of dissolved LiCl on the ionic liquidâ€“Au(111) interface: an in situ STM study. Journal of Physics Condensed Matter, 2014, 26, 284111.	0.7	16
118	Silica Particle Stability and Settling in Protic Ionic Liquids. Langmuir, 2014, 30, 1506-1513.	1.6	14
119	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.	0.7	47
120	Solvation of Inorganic Nitrate Salts in Protic Ionic Liquids. Journal of Physical Chemistry C, 2014, 118, 21215-21225.	1.5	44
121	Interplay of matrix stiffness and protein tethering in stem cell differentiation. Nature Materials, 2014, 13, 979-987.	13.3	812
122	Effect of Cation Alkyl Chain Length and Anion Type on Protic Ionic Liquid Nanostructure. Journal of Physical Chemistry C, 2014, 118, 13998-14008.	1.5	111
123	Nanostructureâ€“Thermal Conductivity Relationships in Protic Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 12017-12024.	1.2	30
124	Nanostructure of an ionic liquidâ€“glycerol mixture. Physical Chemistry Chemical Physics, 2014, 16, 13182-13190.	1.3	37
125	Interactions between vitrinite and inertinite-rich coals and the ionic liquid â€“ [bmim][Cl]. Fuel, 2014, 119, 214-218.	3.4	35
126	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.	1.5	65

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127	Shear dependent viscosity of poly(ethylene oxide) in two protic ionic liquids. Journal of Colloid and Interface Science, 2014, 430, 56-60.	5.0	19
128	Rheology of Protic Ionic Liquids and Their Mixtures. Journal of Physical Chemistry B, 2013, 117, 13930-13935.	1.2	94
129	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.	1.3	163
130	The Effect of Ionic Liquid Hydrophobicity and Solvent Miscibility on Pluronic Amphiphile Self-Assembly. Journal of Physical Chemistry B, 2013, 117, 14568-14575.	1.2	32
131	Ionic liquid lubrication: influence of ion structure, surface potential and sliding velocity. Physical Chemistry Chemical Physics, 2013, 15, 14616.	1.3	140
132	Adsorbed and near surface structure of ionic liquids at a solid interface. Physical Chemistry Chemical Physics, 2013, 15, 3320.	1.3	114
133	The Nature of Hydrogen Bonding in Protic Ionic Liquids. Angewandte Chemie - International Edition, 2013, 52, 4623-4627.	7.2	208
134	Adsorbed and near-surface structure of ionic liquids determines nanoscale friction. Chemical Communications, 2013, 49, 6797.	2.2	71
135	Control of Nanoscale Friction on Gold in an Ionic Liquid by a Potential-Dependent Ionic Lubricant Layer. Physical Review Letters, 2012, 109, 155502.	2.9	201
136	Surface Composition of Mixtures of Ethylammonium Nitrate, Ethanolammonium Nitrate, and Water. Australian Journal of Chemistry, 2012, 65, 1554.	0.5	10
137	Ionic liquid nanotribology: micaâ€“silica interactions in ethylammonium nitrate. Physical Chemistry Chemical Physics, 2012, 14, 5147-5152.	1.3	80
138	Surface structure of a â€œnon-amphiphilicâ€•protic ionic liquid. Physical Chemistry Chemical Physics, 2012, 14, 5106.	1.3	29
139	Surfactant Adsorption at the Surface of Mixed Ionic Liquids and Ionic Liquid Water Mixtures. Langmuir, 2012, 28, 13224-13231.	1.6	26
140	Ionic Liquid Nanotribology: Stiction Suppression and Surface Induced Shear Thinning. Langmuir, 2012, 28, 9967-9976.	1.6	60
141	Effect of dissolved LiCl on the ionic liquidâ€“Au(111) electrical double layer structure. Chemical Communications, 2012, 48, 10246.	2.2	70
142	The alignment and fusion assembly of adipose-derived stem cells on mechanically patterned matrices. Biomaterials, 2012, 33, 6943-6951.	5.7	141
143	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.	2.6	53
144	The interface ionic liquid(s)/electrode(s): In situSTM and AFM measurements. Faraday Discussions, 2012, 154, 221-233.	1.6	176

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145	How Water Dissolves in Protic Ionic Liquids. Angewandte Chemie - International Edition, 2012, 51, 7468-7471.	7.2	173
146	Mechanical derivation of functional myotubes from adipose-derived stem cells. Biomaterials, 2012, 33, 2482-2491.	5.7	99
147	Probing the protic ionic liquid surface using X-ray reflectivity. Physical Chemistry Chemical Physics, 2011, 13, 20828.	1.3	41
148	Interactions of adsorbed poly(ethylene oxide) mushrooms with a bare silicaâ€“ionic liquid interface. Physical Chemistry Chemical Physics, 2011, 13, 13479.	1.3	20
149	Pronounced sponge-like nanostructure in propylammonium nitrate. Physical Chemistry Chemical Physics, 2011, 13, 13544.	1.3	166
150	Conformation of Poly(ethylene oxide) Dissolved in Ethylammonium Nitrate. Journal of Physical Chemistry B, 2011, 115, 648-652.	1.2	47
151	Compact Poly(ethylene oxide) Structures Adsorbed at the Ethylammonium Nitrateâ^'Silica Interface. Langmuir, 2011, 27, 3541-3549.	1.6	27
152	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.	1.3	224
153	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.	1.5	336
154	Amphiphilicity determines nanostructure in protic ionic liquids. Physical Chemistry Chemical Physics, 2011, 13, 3237-3247.	1.3	270
155	Bulk and Interfacial Nanostructure in Protic Room Temperature Ionic Liquids. ACS Symposium Series, 2010, , 317-333.	0.5	5
156	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.	1.2	93
157	Molecular Scale Characterization of the Titaniaâ^'Dyeâ^'Solvent Interface in Dye-Sensitized Solar Cells. Langmuir, 2010, 26, 9612-9616.	1.6	25
158	Surprising Particle Stability and Rapid Sedimentation Rates in an Ionic Liquid. Journal of Physical Chemistry Letters, 2010, 1, 64-68.	2.1	82
159	Nonionic Surfactant Adsorption at the Ethylammonium Nitrate Surface: A Neutron Reflectivity and Vibrational Sum Frequency Spectroscopy Study. Langmuir, 2010, 26, 8313-8318.	1.6	27
160	Structure of the Ethylammonium Nitrate Surface: An X-ray Reflectivity and Vibrational Sum Frequency Spectroscopy Study. Langmuir, 2010, 26, 8282-8288.	1.6	62
161	Do solvation layers of ionic liquids influence electrochemical reactions?. Physical Chemistry Chemical Physics, 2010, 12, 1724.	1.3	240
162	At the interface: solvation and designing ionic liquids. Physical Chemistry Chemical Physics, 2010, 12, 1709.	1.3	377

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163	Structure and Self Assembly of Pluronic Amphiphiles in Ethylammonium Nitrate and at the Silica Surface. Journal of Physical Chemistry B, 2009, 113, 12201-12213.	1.2	77
164	Influence of Temperature and Molecular Structure on Ionic Liquid Solvation Layers. Journal of Physical Chemistry B, 2009, 113, 5961-5966.	1.2	123
165	Activity and thermal stability of lysozyme in alkylammonium formate ionic liquidsâ€"influence of cation modification. Green Chemistry, 2009, 11, 785.	4.6	173
166	AFM and STM Studies on the Surface Interaction of [BMP]TFSA and [EMIm]TFSA Ionic Liquids with Au(111). Journal of Physical Chemistry C, 2009, 113, 13266-13272.	1.5	305
167	Pronounced Structure in Confined Aprotic Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2009, 113, 7049-7052.	1.2	169
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