

Gary A Baker

List of Publications by Year in descending order

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304
papers

23,839
citations

10986

71
h-index

9103

144
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316
all docs

316
docs citations

316
times ranked

22625
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-induced sound pinging for the rapid determination of total sugar or sweetener content in commercial beverages. <i>Talanta</i> , 2022, 240, 123034.	5.5	0
2	Deep eutectic solvents comprising creatine and citric acid and their hydrated mixtures. <i>Chemical Communications</i> , 2022, 58, 2838-2841.	4.1	5
3	Cesium Cation- π Interactions Stabilize Pyrogallol[4]arene Coordination Networks. <i>Crystal Growth and Design</i> , 2022, 22, 2806-2811.	3.0	2
4	Effects of carbon nanodot fractionation on the performance of sensitized mesoporous titania based photovoltaic devices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8824-8833.	5.5	3
5	The study and application of biomolecules in deep eutectic solvents. <i>Journal of Materials Chemistry B</i> , 2021, 9, 536-566.	5.8	46
6	Deep Eutectic Solvents: A Review of Fundamentals and Applications. <i>Chemical Reviews</i> , 2021, 121, 1232-1285.	47.7	1,334
7	Flexible Alkyl Tails Help Shape Matching and Close Packing in Self-Assembly of Supramolecular Structure. <i>Crystal Growth and Design</i> , 2021, 21, 40-44.	3.0	1
8	Hierarchical Coordination Frameworks Based on Metal-Organic Dimeric Nanocapsules Comprising Praseodymium and Pyrogallol[4]arene. <i>Crystal Growth and Design</i> , 2021, 21, 1891-1897.	3.0	8
9	Evidence of a liquid-liquid transition in a glass-forming ionic liquid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
10	Ionic Liquid-Controlled Shape Transformation of Spherical to Nonspherical Polymersomes via Hierarchical Self-Assembly of a Diblock Copolymer. <i>Langmuir</i> , 2021, 37, 5081-5088.	3.5	7
11	Raman spectroscopy and multivariate regression analysis in biomedical research, medical diagnosis, and clinical analysis. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 615-672.	6.7	12
12	Polyionic Nanoclays: Tailorable Hybrid Organic-Inorganic Catalytic Platforms. <i>Chemistry of Materials</i> , 2021, 33, 3585-3592.	6.7	6
13	Coordination Polymers Constructed from Pyrogallol[4]arene-Assembled Metal-Organic Nanocapsules. <i>Accounts of Chemical Research</i> , 2021, 54, 3191-3203.	15.6	21
14	Assessing rotation and solvation dynamics in ethaline deep eutectic solvent and its solutions with methanol. <i>Journal of Chemical Physics</i> , 2021, 155, 034505.	3.0	8
15	Evaluation of canonical choline chloride based deep eutectic solvents as dye-sensitized solar cell electrolytes. <i>Journal of Chemical Physics</i> , 2021, 155, 061102.	3.0	13
16	Functionalized ionic liquids for lignite dissolution and treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3273-3281.	3.2	4
17	Enzyme activation by water-mimicking dual-functionalized ionic liquids. <i>Molecular Catalysis</i> , 2021, 515, 111882.	2.0	5
18	Bespoke nanostars: synthetic strategies, tactics, and uses of tailored branched gold nanoparticles. <i>Nanoscale Advances</i> , 2021, 3, 3980-4004.	4.6	25

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19	Molecular (Raman, NIR, and FTIR) spectroscopy and multivariate analysis in consumable products analysis. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 647-723.	6.7	33
20	An Indium-Seamed Hexameric Metal-Organic Cage as an Example of a Hexameric Pyrogallol[4]arene Capsule Conjoined Exclusively by Trivalent Metal Ions. <i>Angewandte Chemie</i> , 2020, 132, 8139-8142.	2.0	3
21	An Indium-Seamed Hexameric Metal-Organic Cage as an Example of a Hexameric Pyrogallol[4]arene Capsule Conjoined Exclusively by Trivalent Metal Ions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8062-8065.	13.8	17
22	Batch and Flow Nanomanufacturing of Large Quantities of Colloidal Silver and Gold Nanocrystals Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14679-14689.	6.7	18
23	Development of Abraham model correlations for short-chain glycol-grafted imidazolium and pyridinium ionic liquids from inverse gas-chromatographic measurements. <i>Journal of Molecular Liquids</i> , 2020, 317, 113983.	4.9	8
24	Combined Small-Angle Neutron Scattering, Diffusion NMR, and Molecular Dynamics Study of a Eutectogel: Illuminating the Dynamical Behavior of Glyceline Confined in Bacterial Cellulose Gels. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7647-7658.	2.6	17
25	QCM Sensor Arrays, Electroanalytical Techniques and NIR Spectroscopy Coupled to Multivariate Analysis for Quality Assessment of Food Products, Raw Materials, Ingredients and Foodborne Pathogen Detection: Challenges and Breakthroughs. <i>Sensors</i> , 2020, 20, 6982.	3.8	20
26	Controlling Microarray Feature Spreading and Response Stability on Porous Silicon Platforms by Using Alkene-Terminal Ionic Liquids and UV Hydrosilylation. <i>Langmuir</i> , 2020, 36, 5474-5482.	3.5	1
27	Characterization of the solubilizing ability of short-chained glycol-grafted ammonium and phosphonium ionic liquids. <i>Journal of Molecular Liquids</i> , 2020, 304, 112786.	4.9	9
28	Single Laboratory Experiment Integrating the Synthesis, Optical Characterization, and Nanocatalytic Assessment of Gold Nanoparticles. <i>Journal of Chemical Education</i> , 2020, 97, 1454-1459.	2.3	14
29	Effect of ionic liquid on the fluorescence of an intramolecular exciplex forming probe. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 251-260.	2.9	3
30	Infinite dilution activity coefficients and gas-to-liquid partition coefficients of organic solutes dissolved in 1-sec-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and in 1-tert-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. <i>Physics and Chemistry of Liquids</i> , 2019, 57, 453-472.	1.2	29
31	Calorimetric Evaluation of the Operational Thermal Stability of Ribonuclease A in Hydrated Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12682-12687.	6.7	22
32	Characterization of a New Electron Donor-Acceptor Dyad in Conventional Solvents and Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9395-9407.	2.6	3
33	Plasmonic Evolution and Arrested Development for Silver Nanoscale Colloids: A Classroom Demonstration. <i>Journal of Chemical Education</i> , 2019, 96, 2560-2564.	2.3	2
34	Cocrystallization of C-Propyl Pyrogallol[4]arene and the Pharmaceutical Gabapentin. <i>Journal of Chemical Crystallography</i> , 2019, 49, 119-124.	1.1	1
35	Polyhedral borane-capped coinage metal nanoparticles as high-performing catalysts for 4-nitrophenol reduction. <i>Chemical Communications</i> , 2019, 55, 7990-7993.	4.1	8
36	Argentous Deep Eutectic Solvent Approach for Scaling Up the Production of Colloidal Silver Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11036-11043.	6.7	24

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37	Facile, one-pot, in aqua synthesis of catalytically competent gold nanoparticles using pyrogallol[4]arene as the sole reagent. <i>Chemical Communications</i> , 2019, 55, 6261-6264.	4.1	2
38	Vapor Pressure Mapping of Ionic Liquids and Low-Volatility Fluids Using Graded Isothermal Thermogravimetric Analysis. <i>ChemEngineering</i> , 2019, 3, 42.	2.4	46
39	Laser-induced sound pinging (LISP): A rapid photoacoustic method to determine the speed of sound in microliter fluid volumes. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 401-410.	7.8	6
40	Characterization of the solubilizing ability of tetraalkylammonium ionic liquids containing a pendant alkyl chain bearing a basic N,N-dimethylamino or N,N-dimethylaminoethoxy functionality. <i>Journal of Molecular Liquids</i> , 2019, 283, 380-390.	4.9	17
41	Fixed-Path Length Laser-Induced Sound Pinging: A Streamlined Method for Sound Speed Determination in Arbitrary Liquids. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4924-4931.	1.9	4
42	Best practices for reporting nanocatalytic performance: lessons learned from nitroarene reduction as a model reaction. <i>New Journal of Chemistry</i> , 2019, 43, 17932-17936.	2.8	12
43	Borohydride stabilized gold-silver bimetallic nanocatalysts for highly efficient 4-nitrophenol reduction. <i>Nanoscale Advances</i> , 2019, 1, 4665-4668.	4.6	13
44	Exploiting the Inherent Photophysical Properties of the Major Tirapazamine Metabolite in the Development of Profluorescent Substrates for Enzymes That Catalyze the Bioreductive Activation of Hypoxia-Selective Anticancer Prodrugs. <i>Journal of Organic Chemistry</i> , 2018, 83, 3126-3131.	3.2	12
45	Rapid Microwave-Assisted Synthesis of Silver Nanoparticles in a Halide-Free Deep Eutectic Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5725-5731.	6.7	50
46	Artifacts and Errors Associated with the Ubiquitous Presence of Fluorescent Impurities in Carbon Nanodots. <i>Chemistry of Materials</i> , 2018, 30, 1878-1887.	6.7	203
47	Room-Temperature Turkevich Method: Formation of Gold Nanoparticles at the Speed of Mixing Using Cyclic Oxocarbon Reducing Agents. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5105-5118.	3.1	44
48	Tandem copper and gold nanoclusters for two-color ratiometric explosives detection. <i>Analyst</i> , The, 2018, 143, 1036-1041.	3.5	13
49	Glycerol Hydrogen-Bonding Network Dominates Structure and Collective Dynamics in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1261-1267.	2.6	106
50	Infinite Dilution Activity Coefficients and Gas-to-Liquid Partition Coefficients of Organic Solutes Dissolved in 1-Benzylpyridinium Bis(Trifluoromethylsulfonyl)Imide and 1-Cyclohexylmethyl-1-Methylpyrrolidinium Bis(Trifluoromethylsulfonyl)Imide. <i>Journal of Solution Chemistry</i> , 2018, 47, 308-335.	1.2	31
51	Formation of Water Channels in the Crystalline Hydrates of Macrocyclic Compounds. <i>Chemistry - A European Journal</i> , 2018, 24, 3299-3304.	3.3	3
52	A 18×6 metal-organic nanocapsule with open windows using mixed macrocycles. <i>Chemical Communications</i> , 2018, 54, 635-637.	4.1	11
53	Isonothermal synthesis of magnetically-retrievable mesoporous carbons from alkyne-appended ionic liquids and demonstration of their use in selective dye removal. <i>New Journal of Chemistry</i> , 2018, 42, 1979-1986.	2.8	6
54	Quantum Chemical Evaluation of Deep Eutectic Solvents for the Extractive Desulfurization of Fuel. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7525-7531.	6.7	69

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55	Glycol-functionalized ionic liquids for high-temperature enzymatic ring-opening polymerization. RSC Advances, 2018, 8, 36025-36033.	3.6	21
56	Efficient and Selective Extraction of $^{99m}\text{TcO}_4^-$ from Aqueous Media Using Hydrophobic Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2018, 6, 13656-13661.	6.7	81
57	NMR relaxometric probing of ionic liquid dynamics and diffusion under mesoscopic confinement within bacterial cellulose ionogels. Journal of Chemical Physics, 2018, 148, 193845.	3.0	9
58	Ionic liquid inspired alkalinochromic salts based on Reichardt's dyes for the solution phase and vapochromic detection of amines. Analytical and Bioanalytical Chemistry, 2018, 410, 4607-4613.	3.7	10
59	On the non-innocence of the imidazolium cation in a rapid microwave synthesis of oleylamine-capped gold nanoparticles in an ionic liquid. Chemical Communications, 2018, 54, 7523-7526.	4.1	17
60	Ionic Liquid-Assisted Synthesis of Nanoscale MoS_2 (SnO_2) on Reduced Graphene Oxide for the Electrocatalytic Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 8065-8074.	8.0	55
61	The emerging roles of carbon dots in solar photovoltaics: a critical review. Environmental Science: Nano, 2017, 4, 1216-1263.	4.3	128
62	Computational perspectives on structure, dynamics, gas sorption, and bio-interactions in deep eutectic solvents. Fluid Phase Equilibria, 2017, 448, 50-58.	2.5	29
63	Ionic Liquid Anion Controlled Nanoscale Gold Morphology Grown at a Liquid Interface. Langmuir, 2017, 33, 6029-6037.	3.5	8
64	Spectrophotometric analysis at the single-cell level: elucidating dispersity within melanic immortalized cell populations. Analyst, The, 2017, 142, 1482-1491.	3.5	4
65	Polyol Synthesis of Magnetite Nanocrystals in a Thermostable Ionic Liquid. Crystal Growth and Design, 2017, 17, 1558-1567.	3.0	16
66	Bacterial Cellulose Ionogels as Chemosensory Supports. ACS Applied Materials & Interfaces, 2017, 9, 38042-38051.	8.0	35
67	Multi-Purpose Cellulosic Ionogels. ACS Symposium Series, 2017, , 143-155.	0.5	3
68	Incorporation of antibacterial agent derived deep eutectic solvent into an active dental composite. Dental Materials, 2017, 33, 1445-1455.	3.5	25
69	Study of benzyl- or cyclohexyl-functionalized ionic liquids using inverse gas chromatography. Journal of Molecular Liquids, 2017, 242, 550-559.	4.9	31
70	Synthesis and fluorescence spectroscopy of tris(pyrenyl)pnictogen compounds. Dalton Transactions, 2017, 46, 10867-10875.	3.3	10
71	Characterization of a Novel Ionic Liquid Monopropellant for Multi-Mode Propulsion. , 2017, ,		10
72	Design rules of ionic liquids tasked for highly efficient fuel desulfurization by mild oxidative extraction. Fuel, 2017, 189, 334-339.	6.4	35

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73	Efficient White-Light Generation from Ionically Self-Assembled Triply-Fluorescent Organic Nanoparticles. <i>Chemistry - A European Journal</i> , 2016, 22, 8855-8863.	3.3	17
74	Infinite dilution activity coefficients of solutes dissolved in anhydrous alkyl(dimethyl)isopropylammonium bis(trifluoromethylsulfonyl)imide ionic liquids containing functionalized- and nonfunctionalized-alkyl chains. <i>Journal of Molecular Liquids</i> , 2016, 222, 295-312.	4.9	26
75	Extraction of Water and Speciation of Trivalent Lanthanides and Americium in Organophosphorus Extractants. <i>Inorganic Chemistry</i> , 2016, 55, 12675-12685.	4.0	18
76	A switchable peroxidase mimic derived from the reversible co-assembly of cytochrome c and carbon dots. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2163-2170.	5.8	17
77	Domestic pressure cooker as inexpensive hydrothermal vessel: Demonstrated utility for eco-friendly synthesis of non-toxic carbon dots. <i>Nano Structures Nano Objects</i> , 2016, 6, 52-58.	3.5	21
78	Rotational Dynamics in Ionic Liquids from NMR Relaxation Experiments and Simulations: Benzene and 1-Ethyl-3-Methylimidazolium. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9450-9467.	2.6	31
79	Tuning Task-Specific Ionic Liquids for the Extractive Desulfurization of Liquid Fuel. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4771-4780.	6.7	88
80	Ionic Liquids Can Permanently Modify Porous Silicon Surface Chemistry. <i>Chemistry - A European Journal</i> , 2016, 22, 11677-11684.	3.3	6
81	Quantum Chemical Insight into the Interactions and Thermodynamics Present in Choline Chloride Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6739-6746.	2.6	130
82	Activity coefficients at infinite dilution for organic solutes dissolved in two 1-alkylquinuclidinium bis(trifluoromethylsulfonyl)imides bearing alkyl side chains of six and eight carbons. <i>Journal of Molecular Liquids</i> , 2016, 215, 176-184.	4.9	46
83	Fluorescence, Phosphorescence, and Chemiluminescence. <i>Analytical Chemistry</i> , 2016, 88, 170-202.	6.5	95
84	Pee-dots: biocompatible fluorescent carbon dots derived from the upcycling of urine. <i>Green Chemistry</i> , 2016, 18, 243-250.	9.0	169
85	Structure and spectroscopy of uranyl and thorium complexes with substituted phosphine oxide ligands. <i>Radiochimica Acta</i> , 2015, 103, 49-56.	1.2	4
86	Strategies for controlled synthesis of nanoparticles derived from a group of uniform materials based on organic salts. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 163-169.	9.4	18
87	Ionic liquid-assisted exfoliation and dispersion: stripping graphene and its two-dimensional layered inorganic counterparts of their inhibitions. <i>Nanoscale</i> , 2015, 7, 4338-4353.	5.6	95
88	Ratiometric, filter-free optical sensor based on a complementary metal oxide semiconductor buried double junction photodiode. <i>Analytica Chimica Acta</i> , 2015, 884, 77-82.	5.4	1
89	Cold welding: a phenomenon for spontaneous self-healing and shape genesis at the nanoscale. <i>Materials Horizons</i> , 2015, 2, 157-167.	12.2	47
90	Carbon dot reduced bimetallic nanoparticles: size and surface plasmon resonance tunability for enhanced catalytic applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16354-16360.	10.3	59

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91	Differential Microscopic Mobility of Components within a Deep Eutectic Solvent. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2924-2928.	4.6	74
92	Synthesis, spectroscopy, electrochemistry, and coordination chemistry of substituted phosphine sulfides and selenides. <i>Polyhedron</i> , 2015, 100, 333-343.	2.2	12
93	Kitchen-Inspired Nanochemistry: Dispersion, Exfoliation, and Hybridization of Functional MoS ₂ Nanosheets Using Culinary Hydrocolloids. <i>ChemNanoMat</i> , 2015, 1, 167-177.	2.8	35
94	Oxidative desulfurization of fuels using ionic liquids: A review. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 262-279.	4.4	92
95	Sunlight-assisted route to antimicrobial plasmonic aminoclay catalysts. <i>Nanoscale</i> , 2015, 7, 86-91.	5.6	25
96	Dye-Doped Organosilicate Nanoparticles as Cell-Preserving Labels for Photoacoustic Signal Generation. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 3337-3350.	1.1	1
97	Carbazole-Derived Group of Uniform Materials Based on Organic Salts: Solid State Fluorescent Analogues of Ionic Liquids for Potential Applications in Organic-Based Blue Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2312-2320.	3.1	47
98	Aqueous ionic liquids and deep eutectic solvents for cellulosic biomass pretreatment and saccharification. <i>RSC Advances</i> , 2014, 4, 10586.	3.6	151
99	Ionic conductivity enhancement of sputtered gold nanoparticle-in-ionic liquid electrolytes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 792-803.	10.3	21
100	Self-Aggregation of Sodium Dodecyl Sulfate within (Choline Chloride + Urea) Deep Eutectic Solvent. <i>Langmuir</i> , 2014, 30, 13191-13198.	3.5	88
101	Methane-oxygen electrochemical coupling in an ionic liquid: a robust sensor for simultaneous quantification. <i>Analyst</i> , 2014, 139, 5140-5147.	3.5	40
102	Protein-templated gold nanoclusters sequestered within sol-gel thin films for the selective and ratiometric luminescence recognition of Hg ²⁺ . <i>Nanoscale</i> , 2014, 6, 5425.	5.6	56
103	Illuminating host-guest cocrystallization between pyrogallol[4]arenes and the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate. <i>CrystEngComm</i> , 2014, 16, 6010-6022.	2.6	15
104	Soft- and hard-templated organic salt nanoparticles with the Midas touch: gold-shelled nanoGUMBOS. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8996-9003.	5.5	17
105	Ternary Deep Eutectic Solvents Tasked for Carbon Dioxide Capture. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2117-2123.	6.7	196
106	Infinite Dilution Activity Coefficients of Solutes Dissolved in Two Trihexyl(tetradecyl)phosphonium Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1877-1885.	1.9	38
107	Multinuclear Copper(I) and Silver(I) Amidinate Complexes: Synthesis, Luminescence, and CS ₂ Insertion Reactivity. <i>Inorganic Chemistry</i> , 2014, 53, 11357-11366.	4.0	52
108	Exploring luminescence-based temperature sensing using protein-passivated gold nanoclusters. <i>Nanoscale</i> , 2014, 6, 9594.	5.6	40

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109	Solvent-Modulated Formation of α -Pac-man and Capsular Host-Guest Bilayers from a Dicationic Ionic Liquid and <i>N</i> -Butylpyrogallol[4]arene. <i>Crystal Growth and Design</i> , 2014, 14, 4199-4204.	3.0	10
110	Influence of Solute Charge and Pyrrolidinium Ionic Liquid Alkyl Chain Length on Probe Rotational Reorientation Dynamics. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1088-1096.	2.6	22
111	Deep Eutectic Solvents: Sustainable Media for Nanoscale and Functional Materials. <i>Accounts of Chemical Research</i> , 2014, 47, 2299-2308.	15.6	708
112	Ranking Solvent Interactions and Dielectric Constants with [Pt(mesBIAN)(tda)]: A Cautionary Tale for Polarity Determinations in Ionic Liquids. <i>ChemPhysChem</i> , 2013, 14, 1025-1030.	2.1	9
113	The interfacial dynamics of water sandwiched between graphene sheets are governed by the slit width. <i>Surface Science</i> , 2013, 609, 129-139.	1.9	22
114	Physicochemical properties and activity coefficients at infinite dilution for organic solutes and water in a novel bicyclic guanidinium superbase-derived protic ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 62-69.	2.0	34
115	Solute Diffusion in Ionic Liquids, NMR Measurements and Comparisons to Conventional Solvents. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11697-11708.	2.6	112
116	Cholesterol determination using protein-templated fluorescent gold nanocluster probes. <i>Analyst</i> , 2013, 138, 7299.	3.5	34
117	Activity Coefficients at Infinite Dilution for Organic Solutes Dissolved in Three 1-Alkyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquids Bearing Short Linear Alkyl Side Chains of Three to Five Carbons. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2210-2218.	1.9	72
118	Formation of a dimeric host-guest complex via binding between a dicationic ionic liquid and a pyrogallol[4]arene macrocycle. <i>Chemical Communications</i> , 2013, 49, 1802.	4.1	19
119	Ionic liquids and deep eutectic solvents for biodiesel synthesis: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 3-12.	3.2	242
120	Sum Frequency Generation Spectroscopy of Imidazolium-Based Ionic Liquids with Cyano-Functionalized Anions at the Solid Salt-Liquid Interface. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5939-5949.	2.6	30
121	Ionic liquids containing fluorinated β^2 -diketonate anions: synthesis, characterization and potential applications. <i>New Journal of Chemistry</i> , 2013, 37, 909.	2.8	19
122	Are ionic liquids suitable media for boron nitride exfoliation and dispersion? Insight via molecular dynamics. <i>RSC Advances</i> , 2013, 3, 8197.	3.6	37
123	Thermodynamic considerations for solubility and conformational transitions of poly-N-isopropyl-acrylamide. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12667.	2.8	27
124	Elucidating Interactions Between Ionic Liquids and Polycyclic Aromatic Hydrocarbons by Quantum Chemical Calculations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4521-4532.	3.1	44
125	Developing microwave-assisted ionic liquid microextraction for the detection and tracking of hydrophobic pesticides in complex environmental matrices. <i>RSC Advances</i> , 2013, 3, 17113.	3.6	13
126	An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2013, 102, 16004.	2.0	40

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127	Monte Carlo predictions of phase equilibria and structure for dimethyl ether + sulfur dioxide and dimethyl ether + carbon dioxide. <i>Journal of Chemical Physics</i> , 2012, 136, 044514.	3.0	9
128	Ionic derivatives of betulinic acid as novel HIV-1 protease inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012, 27, 715-721.	5.2	32
129	Activity Coefficients at Infinite Dilution for Organic Compounds Dissolved in 1-Alkyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquids Having Six-, Eight-, and Ten-Carbon Alkyl Chains. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 3510-3518.	1.9	73
130	Confeito-like assembly of organosilicate-caged fluorophores: ultrabright suprananoparticles for fluorescence imaging. <i>Nanotechnology</i> , 2012, 23, 175601.	2.6	11
131	Correlation of the Solubilizing Abilities of 1-Butyl-1-methylpiperidinium Bis(trifluoromethylsulfonyl)imide and 1-Butyl-1-methylpyrrolidinium Tetracyanoborate. <i>Journal of Solution Chemistry</i> , 2012, 41, 1165-1184.	1.2	24
132	Ionic galleries: a bilayered host-guest cocrystal of C-propyl pyrogallol[4]arene with an ionic liquid. <i>Chemical Communications</i> , 2012, 48, 5262.	4.1	23
133	Alkyl Chain Length and Temperature Effects on Structural Properties of Pyrrolidinium-Based Ionic Liquids: A Combined Atomistic Simulation and Small-Angle X-ray Scattering Study. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 125-130.	4.6	121
134	Rotational and Translational Dynamics of Rhodamine 6G in a Pyrrolidinium Ionic Liquid: A Combined Time-Resolved Fluorescence Anisotropy Decay and NMR Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7883-7890.	2.6	37
135	Pronounced Hydrogen Bonding Giving Rise to Apparent Probe Hyperpolarity in Ionic Liquid Mixtures with 2,2,2-Trifluoroethanol. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1360-1369.	2.6	37
136	Rotational and Translational Dynamics of <i>N</i> -Butyl- <i>N</i> -methylpiperidinium Trifluoromethanesulfonimide Ionic Liquids Studied by NMR and MD Simulations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20779-20786.	3.1	16
137	Ionically Self-Assembled, Multi-Luminophore One-Dimensional Micro- and Nanoscale Aggregates of Thiocarbocyanine GUMBOS. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8251-8260.	3.1	30
138	PEG-functionalized ionic liquids for cellulose dissolution and saccharification. <i>Green Chemistry</i> , 2012, 14, 2922.	9.0	116
139	Bimolecular Electron Transfer in Ionic Liquids: Are Reaction Rates Anomalously High?. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1370-1384.	2.6	71
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