Seiji Tsuzuki

List of Publications by Year
in descending order

196	15,096	17429	18633
papers	citations	63 h-index	119 g-index

199	199	199	12317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How Ionic Are Room-Temperature Ionic Liquids? An Indicator of the Physicochemical Properties. Journal of Physical Chemistry B, 2006, 110, 19593-19600.	1.2	1,106
2	Origin of Attraction and Directionality of the Ï€/Ï€ Interaction:Â Model Chemistry Calculations of Benzene Dimer Interaction. Journal of the American Chemical Society, 2002, 124, 104-112.	6.6	1,016
3	Interaction energies of van der Waals and hydrogen bonded systems calculated using density functional theory: Assessing the PW91 model. Journal of Chemical Physics, 2001, 114, 3949-3957.	1.2	666
4	Oxidative-Stability Enhancement and Charge Transport Mechanism in Glymeâ€“Lithium Salt Equimolar Complexes. Journal of the American Chemical Society, 2011, 133, 13121-13129.	6.6	663
5	Physicochemical Properties and Structures of Room-Temperature Ionic Liquids. 3. Variation of Cationic Structures. Journal of Physical Chemistry B, 2006, 110, 2833-2839.	1.2	593
6	The Magnitude of the CH/Ï€ Interaction between Benzene and Some Model Hydrocarbons. Journal of the American Chemical Society, 2000, 122, 3746-3753.	6.6	508
7	Magnitude and Directionality of Interaction in Ion Pairs of Ionic Liquids:â€‰ Relationship with Ionic Conductivity. Journal of Physical Chemistry B, 2005, 109, 16474-16481.	1.2	468
8	Origin of the Attraction and Directionality of the NH/Ï€ Interaction:Â Comparison with OH/Ï€ and CH/Ï€ Interactions. Journal of the American Chemical Society, 2000, 122, 11450-11458.	6.6	371
9	Nature and physical origin of CH/Ï€ interaction: significant difference from conventional hydrogen bonds. Physical Chemistry Chemical Physics, 2008, 10, 2584.	1.3	311
10	Molecular Dynamics Simulations of Ionic Liquids: Cation and Anion Dependence of Self-Diffusion Coefficients of Ions. Journal of Physical Chemistry B, 2009, 113, 10641-10649.	1.2	236
11	The Origin of the Cation/Ï€ Interaction:â€‰ The Significant Importance of the Induction in Li+ and Na+ Complexes. Journal of Physical Chemistry A, 2001, 105, 769-773.	1.1	228
12	Li⁺ solvation in glymeâ€“Li salt solvate ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 8248-8257.	1.3	222
13	Effects of the higher electron correlation correction on the calculated intermolecular interaction energies of benzene and naphthalene dimers: comparison between MP2 and CCSD(T) calculations. Chemical Physics Letters, 2000, 319, 547-554.	1.2	219
14	Theoretical analysis of the hydrogen bond of imidazolium C2â€“H with anions. Physical Chemistry Chemical Physics, 2007, 9, 4780.	1.3	217
15	Model Chemistry Calculations of Thiophene Dimer Interactions:Â Origin of Ï€-Stacking. Journal of the American Chemical Society, 2002, 124, 12200-12209.	6.6	199
16	Imidazolium-Based Room-Temperature Ionic Liquid for Lithium Secondary Batteries. Journal of the Electrochemical Society, 2007, 154, A173.	1.3	195
17	High-level ab initio computations of structures and interaction energies of naphthalene dimers: Origin of attraction and its directionality. Journal of Chemical Physics, 2004, 120, 647-659.	1.2	169
18	Origin of Attraction, Magnitude, and Directionality of Interactions in Benzene Complexes with Pyridinium Cations. Journal of the American Chemical Society, 2007, 129, 8656-8662.	6.6	152

#	Article	IF	Citations
19	Origin of the Low-Viscosity of [emim][(FSO₂)₂N] Ionic Liquid and Its Lithium Salt Mixture: Experimental and Theoretical Study of Self-Diffusion Coefficients, Conductivities, and Intermolecular Interactions. Journal of Physical Chemistry B, 2010, 114, 16329-16336.	1.2	144
20	Magnitude of the CH/Ï€ Interaction in the Gas Phase:Â Experimental and Theoretical Determination of the Accurate Interaction Energy in Benzene-methane. Journal of Physical Chemistry A, 2006, 110, 4397-4404.	1.1	139
21	Unusual Li⁺Ion Solvation Structure in Bis(fluorosulfonyl)amide Based Ionic Liquid. Journal of Physical Chemistry C, 2013, 117, 19314-19324.	1.5	133
22	Intermolecular Interaction between Hexafluorobenzene and Benzene:â€‰Ab Initio Calculations Including CCSD(T) Level Electron Correlation Correction. Journal of Physical Chemistry A, 2006, 110, 2027-2033.	1.1	130
23	Studies on the translational and rotational motions of ionic liquids composed of N-methyl-N-propyl-pyrrolidinium (P13) cation and bis(trifluoromethanesulfonyl)amide and bis(fluorosulfonyl)amide anions and their binary systems including lithium salts. Journal of Chemical Physics, 2010, 133, 194505.	1.2	129
24	Magnitude and Directionality of the Interaction Energy of the Aliphatic CH/Ï€ Interaction:â€‰Significant Difference from Hydrogen Bond. Journal of Physical Chemistry A, 2006, 110, 10163-10168.	1.1	124
25	Conformational analysis of 1,2-dimethoxyethane by ab initio molecular orbital and molecular mechanics calculations: stabilization of the TGG' rotamer by the 1,5 CH3/O nonbonding attractive interaction. The Journal of Physical Chemistry, 1993, 97, 1346-1350.	2.9	120
26	Effects of basis set and electron correlation on the calculated interaction energies of hydrogen bonding complexes: MP2/cc-pV5Z calculations of H2Oâ€“MeOH, H2Oâ€“Me2O, H2Oâ€“H2CO, MeOHâ€“MeOH, and HCOOHâ€“HCOOH complexes. Journal of Chemical Physics, 1999, 110, 11906-11910.	1.2	120
27	Intermolecular interaction potentials of methane and ethylene dimers calculated with the MÃ¸llerâ€“Plesset, coupled cluster and density functional methods. Chemical Physics Letters, 1998, 287, 202-208.	1.2	118
28	Effects of cation and anion on physical properties of room-temperature ionic liquids. Journal of Molecular Liquids, 2010, 152, 9-13.	2.3	118
29	Magnitude and Origin of the Attraction and Directionality of the Halogen Bonds of the Complexes of C₆F₅X and C₆H₅X (X=I, Br, Cl and F) with Pyridine. Chemistry - A European Journal, 2012, 18, 951-960.	1.7	118
30	Enhanced Layered-Herringbone Packing due to Long Alkyl Chain Substitution in Solution-Processable Organic Semiconductors. Chemistry of Materials, 2017, 29, 1245-1254.	3.2	117
31	Li⁺ Solvation and Ionic Transport in Lithium Solvate Ionic Liquids Diluted by Molecular Solvents. Journal of Physical Chemistry C, 2016, 120, 15792-15802.	1.5	114
32	The Interaction of Benzene with Chloro- and Fluoromethanes:â€‰Effects of Halogenation on CH/Ï€ Interaction. Journal of Physical Chemistry A, 2002, 106, 4423-4428.	1.1	110
33	Magnitude and Nature of Interactions in Benzeneâ‹¯X (X = Ethylene and Acetylene) in the Gas Phase:â€‰Significantly Different CH/Ï€ Interaction of Acetylene As Compared with Those of Ethylene and Methane. Journal of Physical Chemistry A, 2007, 111, 753-758.	1.1	110
34	Raman Spectroscopic Studies and Ab Initio Calculations on Conformational Isomerism of 1-Butyl-3-methylimidazolium Bis-(trifluoromethanesulfonyl)amide Solvated to a Lithium Ion in Ionic Liquids: Effects of the Second Solvation Sphere of the Lithium Ion. Journal of Physical Chemistry B, 2010, 114, 6513-6521.	1.2	107
35	Liquid Structure of and Li⁺ Ion Solvation in Bis(trifluoromethanesulfonyl)amide Based Ionic Liquids Composed of 1-Ethyl-3-methylimidazolium and N-Methyl-N-propylpyrrolidinium Cations. Journal of Physical Chemistry B, 2011, 115, 12179-12191.	1.2	102
36	Estimated MP2 and CCSD(T) interaction energies of n-alkane dimers at the basis set limit: Comparison of the methods of Helgaker et al. and Feller. Journal of Chemical Physics, 2006, 124, 114304.	1.2	100

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37	Origin of the Attraction in Aliphatic Câ˜H/Ï€ Interactions:Â Infrared Spectroscopic and Theoretical Characterization of Gas-Phase Clusters of Aromatics with Methane. Journal of Physical Chemistry A, 2006, 110, 10583-10590.	1.1	99
38	CH/Ï€ interactions. Annual Reports on the Progress of Chemistry Section C, 2012, 108, 69.	4.4	99
39	Quaternary Ammonium Room-Temperature Ionic Liquid/Lithium Salt Binary Electrolytes: Electrochemical Study. Journal of the Electrochemical Society, 2008, 155, A421.	1.3	96
40	Nuclear magnetic resonance studies on the rotational and translational motions of ionic liquids composed of 1-ethyl-3-methylimidazolium cation and bis(trifluoromethanesulfonyl)amide and bis(fluorosulfonyl)amide anions and their binary systems including lithium salts. Journal of Chemical Physics, 2011, 135, 084505.	1.2	92
41	Effect of Ionic Size on Solvate Stability of Glyme-Based Solvate Ionic Liquids. Journal of Physical Chemistry B, 2015, 119, 1523-1534.	1.2	92
42	Electrophilic Activation of Iodonium Ylides by Halogenâ€Bondâ€Donor Catalysis for Crossâ€Enolate Coupling. Angewandte Chemie - International Edition, 2017, 56, 7653-7657.	7.2	92
43	Synthesis and Structure of 16 Ï€ Octaalkyltetraphenylporphyrins. Journal of the American Chemical Society, 2005, 127, 14540-14541.	6.6	91
44	Interactions with Aromatic Rings. Structure and Bonding, 2005, , 149-193.	1.0	91
45	Basis set effects on the intermolecular interaction of hydrocarbon molecules obtained by an ab initio molecular orbital method: evaluation of dispersion energy. Computational and Theoretical Chemistry, 1994, 307, 107-118.	1.5	89
46	Basis set effects on the calculated bonding energies of neutral benzene dimers: importance of diffuse polarization functions. Chemical Physics Letters, 1996, 252, 206-210.	1.2	89
47	Thermal and Electrochemical Stability of Tetraglymeâ€“Magnesium Bis(trifluoromethanesulfonyl)amide Complex: Electric Field Effect of Divalent Cation on Solvate Stability. Journal of Physical Chemistry C, 2016, 120, 1353-1365.	1.5	88
48	Structures of [Li(glyme)]⁺ complexes and their interactions with anions in equimolar mixtures of glymes and Li[TFSA]: analysis by molecular dynamics simulations. Physical Chemistry Chemical Physics, 2015, 17, 126-129.	1.3	87
49	New Medium-Size Basis Sets To Evaluate the Dispersion Interaction of Hydrocarbon Molecules. Journal of Physical Chemistry A, 1998, 102, 2091-2094.	1.1	86
50	Quaternary Ammonium Room-Temperature Ionic Liquid Including an Oxygen Atom in Side Chain/Lithium Salt Binary Electrolytes:â€‰ Ionic Conductivity and ¹H, ⁷Li, and ¹⁹F NMR Studies on Diffusion Coefficients and Local Motions. Journal of Physical Chemistry B, 2008, 112, 1189-1197.	1.2	84
51	Conformational Analysis of 1-Butyl-3-methylimidazolium by CCSD(T) Level Ab Initio Calculations: Effects of Neighboring Anions. Journal of Physical Chemistry B, 2008, 112, 7739-7747.	1.2	84
52	High-Level ab Initio Calculations of Interaction Energies of C2H4â˜CH4and C2H6â˜CH4Dimers:Â A Model Study of CH/Ï€ Interaction. Journal of Physical Chemistry A, 1999, 103, 8265-8271.	1.1	83
53	Ab initiocalculations of structures and interaction energies of toluene dimers including CCSD(T) level electron correlation correction. Journal of Chemical Physics, 2005, 122, 144323.	1.2	83
54	Li⁺ Local Structure in Hydrofluoroether Diluted Li-Glyme Solvate Ionic Liquid. Journal of Physical Chemistry B, 2016, 120, 3378-3387.	1.2	81

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55	Relationships between center atom species (N, P) and ionic conductivity, viscosity, density, self-diffusion coefficient of quaternary cation room-temperature ionic liquids. Physical Chemistry Chemical Physics, 2009, 11, 3509.	1.3	80
56	Intermolecular Interactions in Li⁺â€glyme and Li⁺â€glymeâ€“TFSA^{â^'} Complexes: Relationship with Physicochemical Properties of [Li(glyme)][TFSA] Ionic Liquids. ChemPhysChem, 2013, 14, 1993-2001.	1.0	79
57	Factors Controlling the Diffusion of Ions in Ionic Liquids. ChemPhysChem, 2012, 13, 1664-1670.	1.0	78
58	Experimental and theoretical determination of the accurate interaction energies in benzeneâ€“halomethane: the unique nature of the activated CH/Ï€ interaction of haloalkanes. Physical Chemistry Chemical Physics, 2008, 10, 2836.	1.3	77
59	Theoretical Study of the Câ^'F/Ï€ Interaction:â€‰ Attractive Interaction between Fluorinated Alkane and an Electron-Deficient Ï€-System. Journal of Physical Chemistry A, 2004, 108, 6744-6749.	1.1	71
60	Fluorinated Diphenylpolyenes:â€‰ Crystal Structures and Emission Properties. Journal of Physical Chemistry A, 2007, 111, 13441-13451.	1.1	68
61	Accuracy of intermolecular interaction energies, particularly those of hetero-atom containing molecules obtained by DFT calculations with Grimme's D2, D3 and D3BJ dispersion corrections. Physical Chemistry Chemical Physics, 2020, 22, 22508-22519.	1.3	68
62	Molecular Motions and Ion Diffusions of the Room-Temperature Ionic Liquid 1,2-Dimethyl-3-propylimidazolium Bis(trifluoromethylsulfonyl)amide (DMPImTFSA) Studied by ¹H, ¹³C, and ¹⁹F NMR. Journal of Physical Chemistry A, 2008, 112, 12027-12036.	1.1	67
63	Dependence of the Conformational Isomerism in 1-n-Butyl-3-methylimidazolium Ionic Liquids on the Nature of the Halide Anion. Journal of Physical Chemistry B, 2010, 114, 11715-11724.	1.2	66
64	Low Melting and Electrochemically Stable Ionic Liquids Based on Asymmetric Fluorosulfonyl(trifluoromethylsulfonyl)amide. Chemistry Letters, 2008, 37, 1020-1021.	0.7	65
65	Origin of Attraction in Chalgogenâ€“Nitrogen Interaction of 1,2,5-Chalcogenadiazole Dimers. Journal of Physical Chemistry B, 2013, 117, 6849-6855.	1.2	65
66	Ion Pair Formation in [bmim]I Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 15426-15430.	1.2	63
67	Phase Diagrams and Solvate Structures of Binary Mixtures of Glymes and Na Salts. Journal of Physical Chemistry B, 2013, 117, 15072-15085.	1.2	63
68	Interactions in ion pairs of protic ionic liquids: Comparison with aprotic ionic liquids. Journal of Chemical Physics, 2013, 139, 174504.	1.2	63
69	Quaternary Ammonium Room-Temperature Ionic Liquid Including an Oxygen Atom in Side Chain/Lithium Salt Binary Electrolytes: Ab Initio Molecular Orbital Calculations of Interactions between Ions. Journal of Physical Chemistry B, 2008, 112, 9914-9920.	1.2	62
70	Basis set effects on the intermolecular interaction energies of methane dimers obtained by the Moeller-Plesset perturbation theory calculation. The Journal of Physical Chemistry, 1991, 95, 2272-2278.	2.9	60
71	Physicochemical properties of pentaglymeâ€“sodium bis(trifluoromethanesulfonyl)amide solvate ionic liquid. Physical Chemistry Chemical Physics, 2014, 16, 11737-11746.	1.3	60
72	Polymer Electrolytes Containing Solvate Ionic Liquids: A New Approach To Achieve High Ionic Conductivity, Thermal Stability, and a Wide Potential Window. Chemistry of Materials, 2018, 30, 252-261.	3.2	60

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73	Effects of conformational flexibility of alkyl chains of cations on diffusion of ions in ionic liquids. Physical Chemistry Chemical Physics, 2011, 13, 5987.	1.3	59
74	Refinement of Nonbonding Interaction Potential Parameters for Methane on the Basis of the Pair Potential Obtained by MP3/6-311G(3d,3p)-Level ab Initio Molecular Orbital Calculations: The Anisotropy of H/H Interaction. The Journal of Physical Chemistry, 1994, 98, 1830-1833.	2.9	55
75	CH/Ï€ interactions in methane clusters with polycyclic aromatic hydrocarbons. Physical Chemistry Chemical Physics, 2008, 10, 2860.	1.3	54
76	Selective O-Difluoromethylation of 1,3-Diones by Bromodifluoromethylating Reagents. Organic Letters, 2013, 15, 1044-1047.	2.4	54
77	Magnitude of Interaction betweenn-Alkane Chains and Its Anisotropy:Â High-Level ab Initio Calculations ofn-Butane,n-Petane, andn-Hexane Dimers. Journal of Physical Chemistry A, 2004, 108, 10311-10316.	1.1	52
78	Experimental and theoretical determination of the accurate CH/Ï€ interaction energies in benzeneâ€“alkane clusters: correlation between interaction energy and polarizability. Physical Chemistry Chemical Physics, 2011, 13, 14131.	1.3	52
79	Is the Cation/Ï€ Interaction in Alkaline-Earth-Metal Dication/Benzene Complexes a Covalent Interaction?. Journal of Physical Chemistry A, 2003, 107, 10414-10418.	1.1	51
80	Intermolecular interactions of nitrobenzene-benzene complex and nitrobenzene dimer: Significant stabilization of slipped-parallel orientation by dispersion interaction. Journal of Chemical Physics, 2006, 125, 124304.	1.2	50
81	Comparative Study on Physicochemical Properties of Protic Ionic Liquids Based on Allylammonium and Propylammonium Cations. Journal of Chemical & Engineering Data, 2013, 58, 2724-2732.	1.0	50
82	Magnitude and orientation dependence of intermolecular interaction between perfluoroalkanes: High level ab initio calculations of CF4 and C2F6 dimers. Journal of Chemical Physics, 2002, 116, 3309-3315.	1.2	49
83	Fluorescence Spectroscopic Properties and Crystal Structure of a Series of Donorâ^'Acceptor Diphenylpolyenes. Journal of Physical Chemistry A, 2006, 110, 13379-13387.	1.1	49
84	Effect of the cation on the stability of cationâ€“glyme complexes and their interactions with the [TFSA]^{â^'} anion. Physical Chemistry Chemical Physics, 2017, 19, 18262-18272.	1.3	49
85	Cooperative Enhancement of Water Binding to Crownophane by Multiple Hydrogen Bonds:â€‰ Analysis by High Level ab Initio Calculations. Journal of the American Chemical Society, 2001, 123, 4255-4258.	6.6	48
86	Cation versus Radical: Studies on the C/O Regioselectivity in Electrophilic Triâ€‹ Diâ€•and Monofluoromethylations of Î²â€Ketoesters. ChemistryOpen, 2012, 1, 221-226.	0.9	47
87	Magnitude and Nature of Carbohydrateâ^'Aromatic Interactions: Ab Initio Calculations of Fucoseâ^'Benzene Complex. Journal of Physical Chemistry B, 2009, 113, 5617-5621.	1.2	46
88	Interactions of Perfluoroalkyltrifluoroborate Anions with Li Ion and Imidazolium Cation: Effects of Perfluoroalkyl Chain on Motion of Ions in Ionic Liquids. Journal of Physical Chemistry B, 2010, 114, 11390-11396.	1.2	45
89	Li⁺ Local Structure in Liâ€“Tetraglyme Solvate Ionic Liquid Revealed by Neutron Total Scattering Experiments with the ^{6/7}Li Isotopic Substitution Technique. Journal of Physical Chemistry Letters, 2016, 7, 2832-2837.	2.1	44
90	High-level ab initio computations of structures and relative energies of two isomers of the CO2 trimer. Journal of Chemical Physics, 1999, 111, 3846-3854.	1.2	43

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91	Alkoxy chains in ionic liquid anions; effect of introducing ether oxygen into perfluoroalkylborate on physical and thermal properties. Chemical Communications, 2010, 46, 1730.	2.2	43
92	CCSD(T) level interaction energy for halogen bond between pyridine and substituted iodobenzenes: origin and additivity of substituent effects. Physical Chemistry Chemical Physics, 2013, 15, 6088.	1.3	43
93	Analysis of interactions between 1-butyl-3-methylimidazolium cation and halide anions (Cl-, Br- and I-) by ab initio calculations: anion size effects on preferential locations of anions. Molecular Physics, 2008, 106, 1621-1629.	0.8	42
94	Key factor governing the physicochemical properties and extent of proton transfer in protic ionic liquids: Î”pK_a or chemical structure?. Physical Chemistry Chemical Physics, 2019, 21, 418-426.	1.3	42
95	High Level ab Initio Calculations of Intermolecular Interaction of Propane Dimer:â€‰ Orientation Dependence of Interaction Energy. Journal of Physical Chemistry A, 2002, 106, 3867-3872.	1.1	38
96	Bipyridine Derivatives at a Solid/Liquid Interface: Effects of the Number and Length of Peripheral Alkyl Chains. Langmuir, 2010, 26, 3376-3381.	1.6	36
97	First-Principles Lattice Energy Calculation of Urea and Hexamine Crystals by a Combination of Periodic DFT and MP2 Two-Body Interaction Energy Calculations. Journal of Physical Chemistry B, 2010, 114, 6799-6805.	1.2	34
98	Comparative Study of Imidazolium- and Pyrrolidinium-Based Ionic Liquids: Thermodynamic Properties. Journal of Physical Chemistry B, 2012, 116, 5406-5413.	1.2	34
99	Glymeâ€“Sodium Bis(fluorosulfonyl)amide Complex Electrolytes for Sodium Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 16589-16599.	1.5	34
100	Long-cycle-life Lithium-sulfur Batteries with Lithium Solvate Ionic Liquids. Electrochemistry, 2017, 85, 680-682.	0.6	33
101	A new ab initio based model potential for methane. Chemical Physics Letters, 1998, 287, 327-332.	1.2	32
102	Lewis Acidity/Basicity of Ï€-Electron Systems: Theoretical Study of a Molecular Interaction between a Ï€ System and a Lewis Acid/Base. Chemistry - A European Journal, 2005, 11, 4458-4464.	1.7	32
103	Magnitude and Directionality of Halogen Bond of Benzene with C₆F₅X, C₆H₅X, and CF₃X (X = I, Br, Cl, and F). Journal of Physical Chemistry A, 2016, 120, 7020-7029.	1.1	32
104	Transport and Electrochemical Properties of Three Quaternary Ammonium Ionic Liquids and Lithium Salts Doping Effects Studied by NMR Spectroscopy. Journal of Chemical & Engineering Data, 2014, 59, 1944-1954.	1.0	31
105	Molecular dynamics study of thermodynamic stability and dynamics of [Li(glyme)]+ complex in lithium-glyme solvate ionic liquids. Journal of Chemical Physics, 2018, 148, 193809.	1.2	31
106	Dissociation and Diffusion of Glyme-Sodium Bis(trifluoromethanesulfonyl)amide Complexes in Hydrofluoroether-Based Electrolytes for Sodium Batteries. Journal of Physical Chemistry C, 2016, 120, 23339-23350.	1.5	30
107	Importance of secondary electrostatic interactions in hydrogen-bonding complexes: an investigation using the self-consistent charge and configuration method for subsystems. Chemical Physics Letters, 2000, 318, 203-209.	1.2	29
108	Two-Dimensional Structure Control by Molecular Width Variation with Metal Coordination. Langmuir, 2006, 22, 6910-6914.	1.6	29

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109	Electrophilic Activation of Iodonium Ylides by Halogenâ€Bondâ€Donor Catalysis for Crossâ€Enolate Coupling. Angewandte Chemie, 2017, 129, 7761-7765.	1.6	29
110	Comparison of atomic charge distributions obtained from different procedures: basis set and electron correlation effects. Computational and Theoretical Chemistry, 1996, 365, 81-88.	1.5	28
111	Tetraalkylammonium-Templated Stereoselective Norrishâ€“Yang Cyclization. Organic Letters, 2013, 15, 5994-5997.	2.4	28
112	Direct nucleophilic trifluoromethylation of carbonyl compounds by potent greenhouse gas, fluoroform: Improving the reactivity of anionoid trifluoromethyl species in glymes. Scientific Reports, 2018, 8, 11501.	1.6	28
113	Pentaglymeâ€“K salt binary mixtures: phase behavior, solvate structures, and physicochemical properties. Physical Chemistry Chemical Physics, 2015, 17, 2838-2849.	1.3	27
114	Ab initio calculation of interaction nature of borazine (B3N3H6) dimer. Journal of Chemical Physics, 2003, 119, 10081-10087.	1.2	26
115	Emerging Disordered Layered-Herringbone Phase in Organic Semiconductors Unveiled by Electron Crystallography. Chemistry of Materials, 2022, 34, 72-83.	3.2	26
116	Roomâ€Temperature Phosphorescence of Crystalline Metalâ€Free Organoboron Complex. ChemPhysChem, 2016, 17, 4033-4036.	1.0	25
117	Density, Viscosity, Ionic Conductivity, and Self-Diffusion Coefficient of Organic Liquid Electrolytes: Part I. Propylene Carbonate + Li, Na, Mg and Ca Cation Salts. Journal of the Electrochemical Society, 2018, 165, A542-A546.	1.3	25
118	Application of Protic Ionic Liquids to CO₂ Separation in a Sulfonated Polyimide-Derived Ion Gel Membrane. ACS Applied Polymer Materials, 2019, 1, 1579-1589.	2.0	25
119	Regioisomeric control of layered crystallinity in solution-processable organic semiconductors. Chemical Science, 2020, 11, 12493-12505.	3.7	25
120	Modeling and Testing of Molecular Wire Sensors To Detect a Nucleic Acid Base. Journal of Physical Chemistry C, 2007, 111, 3495-3504.	1.5	24
121	First principle lattice energy calculations for enantiopure and racemic crystals of Î±-(trifluoromethyl)lactic acid: Is self-disproportionation of enantiomers controlled by thermodynamic stability of crystals?. Journal of Fluorine Chemistry, 2010, 131, 461-466.	0.9	24
122	Cation and Anion Dependence of Stable Geometries and Stabilization Energies of Alkali Metal Cation Complexes with FSA^{â€“}, FTA^{â€“}, and TFSA^{â€“} Anions: Relationship with Physicochemical Properties of Molten Salts. Journal of Physical Chemistry B, 2013, 117, 16212-16218.	1.2	24
123	Specific Interaction between Chloroform and the Pockets of Triangular Annulene Derivatives Providing Symmetry Carryâ€Over Crystallization. Chemistry - A European Journal, 2009, 15, 13336-13340.	1.7	23
124	Intermolecular interactions of oligothienoacenes: Do Sâ‹¯S interactions positively contribute to crystal structures of sulfur-containing aromatic molecules?. Journal of Chemical Physics, 2016, 145, 174503.	1.2	23
125	High Transference Number of Na Ion in Liquid-State Sulfolane Solvates of Sodium Bis(fluorosulfonyl)amide. Journal of Physical Chemistry C, 2020, 124, 4459-4469.	1.5	23
126	Magnitude and orientation dependence of intermolecular interaction of perfluoropropane dimer studied by high-level ab initio calculations: Comparison with propane dimer. Journal of Chemical Physics, 2004, 121, 9917-9924.	1.2	22

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127	Magnitude and Nature of Carbohydrateâ€“Aromatic Interactions in Fucoseâ€“Phenol and Fucoseâ€“Indole Complexes: CCSD(T) Level Interaction Energy Calculations. Journal of Physical Chemistry A, 2011, 115, 11256-11262.	1.1	22
128	Sterically crowded hydrogen-bonded hexagonal network frameworks. Materials Chemistry Frontiers, 2018, 2, 338-346.	3.2	22
129	Conformational Study of Isobutenylene Chains in Tandem Claisen Rearrangement Products. Insights from X-ray Crystallography and1H NMR for Salicylideneaniline Derivatives. Bulletin of the Chemical Society of Japan, 2002, 75, 831-839.	2.0	20
130	Hexagonal array formation by intermolecular halogen bonding using a binary blend of linear building blocks: STM study. Chemical Communications, 2019, 55, 3955-3958.	2.2	20
131	Magnesium bis(trifluoromethanesulfonyl)amide complexes with triglyme and asymmetric homologues: phase behavior, coordination structures and melting point reduction. Physical Chemistry Chemical Physics, 2018, 20, 7998-8007.	1.3	19
132	Crystal Structure of Quinine: The Effects of Vinyl and Methoxy Groups on Molecular Assemblies of Cinchona Alkaloids Cannot Be Ignored. Chemistry - an Asian Journal, 2012, 7, 2607-2614.	1.7	18
133	Polyiodides in room-temperature ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 32337-32344.	1.3	18
134	Effects of non-equimolar lithium salt glyme solvate ionic liquid on the control of interfacial degradation in lithium secondary batteries. RSC Advances, 2016, 6, 33043-33047.	1.7	18
135	Architecting layered molecular packing in substituted benzobisbenzothiophene (BBBT) semiconductor crystals. CrystEngComm, 2020, 22, 3618-3626.	1.3	18
136	Halogen bond effect on bundling of hydrogen bonded 2-fold helical columns. CrystEngComm, 2012, 14, 5749.	1.3	17
137	Imidazolium Saltâ€Catalyzed Friedelâ€“Craftsâ€Type Conjugate Addition of Indoles: Analysis of Indole/Imidazolium Complex by High Level ab Initio Calculations. Asian Journal of Organic Chemistry, 2014, 3, 497-503.	1.3	17
138	Static and Transport Properties of Alkyltrimethylammonium Cation-Based Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 4590-4599.	1.2	17
139	Computational approaches and sigma-hole interactions: general discussion. Faraday Discussions, 2017, 203, 131-163.	1.6	17
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