Yi Ren

List of Publications by Year
in descending order

36	888	471509 17	477307 29
papers	citations	h-index	g-index

36	36	36	822
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	COMPASS Force Field for 14 Inorganic Molecules, He, Ne, Ar, Kr, Xe, H2, O2, N2, NO, CO, CO2, NO2, CS2, and SO2, in Liquid Phases. Journal of Physical Chemistry B, 2000, 104, 4951-4957.	2.6	181
2	The Î±-Effect in Gas-Phase SN2 Reactions:Â Existence and the Origin of the Effect. Journal of Organic Chemistry, 2007, 72, 5660-5667.	3.2	90
3	G2(+) Investigation on the Î±-Effect in the SN2 Reactions at Saturated Carbon. Chemistry - A European Journal, 2007, 13, 677-682.	3.3	55
4	The Î±-Effect in Gas-Phase SN2 Reactions Revisited. Organic Letters, 2006, 8, 119-121.	4.6	49
5	Highly efficient extraction of actinides with pillar[5]arene-derived diglycolamides in ionic liquids via a unique mechanism involving competitive hostâ€“guest interactions. Dalton Transactions, 2016, 45, 19299-19310.	3.3	49
6	Exploring the Reactivity Trends in the E2 and S_N2 Reactions of X^{â¯'} + CH₃CH₂Cl (X = F, Cl, Br, HO, HS, HSe, NH₂ PH₂,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Theory and Computation, 2009, 5, 1597-1606.	5.5	44
7	Nonaggregational Shape-Persistent Cyclo[6]aramide and Its Macrocyclic Effect toward Binding Secondary Ammonium Salts in Moderately Polar Media. Organic Letters, 2013, 15, 4670-4673.	4.6	35
8	Macrocyclic shape-persistency of cyclo[6]aramide results in enhanced multipoint recognition for the highly efficient template-directed synthesis of rotaxanes. Chemical Science, 2017, 8, 2091-2100.	7.4	32
9	Cyclo[6]aramide-Tropylium Charge Transfer Complex as a Colorimetric Chemosensor for Differentiation of Intimate and Loose Ion Pairs. Organic Letters, 2015, 17, 5950-5953.	4.6	29
10	Does Î±â€effect exist in E2 reactions? A G2(+) investigation. Journal of Computational Chemistry, 2009, 30, 358-365.	3.3	28
11	A G2(+) level investigation of the gas-phase non-identity SN2 reactions of halides with halodimethylamine. Journal of the American Society for Mass Spectrometry, 2004, 15, 673-680.	2.8	26
12	The Î±-effect exhibited in gas-phase S_N2@N and S_N2@C reactions. Journal of Computational Chemistry, 2013, 34, 1997-2005.	3.3	25
13	Theoretical study of the N10 clusters without double bonds. International Journal of Quantum Chemistry, 2001, 82, 34-43.	2.0	22
14	Modified Gaussian-2 level investigation of the identity ion-pair SN2 reactions of lithium halide and methyl halide with inversion and retention mechanisms. Journal of Computational Chemistry, 2004, 25, 461-471.	3.3	19
15	Halogen versus halide electronic structure. Science China Chemistry, 2010, 53, 210-215.	8.2	19
16	Reversibly Tunable Lower Critical Solution Temperature Behavior Induced by H-Bonded Aromatic Amide Macrocycle and Imidazolium Hostâ€“Guest Complexation. Organic Letters, 2017, 19, 18-21.	4.6	19
17	Unexpected Selectivity in Sodium Borohydride Reductions of Î±-Substituted Esters: Experimental and Theoretical Studies. European Journal of Organic Chemistry, 2006, 2006, 1981-1990.	2.4	18
18	RECENT DEVELOPMENT IN THE STUDY OF SN2 REACTIONS AT HETEROATOMS AND ION PAIR SYSTEMS. Journal of Theoretical and Computational Chemistry, 2006, 05, 121-140.	1.8	18

#	Article	IF	Citations
19	A rare case for binding a diquat salt by two cyclo[6]aramides. Supramolecular Chemistry, 2015, 27, 436-443.	1.2	18
20	Density functional theory study of tautomerization of 2-aminothiazole in the gas phase and in solution. International Journal of Quantum Chemistry, 2007, 107, 247-258.	2.0	15
21	Theoretical study on the role of cooperative solvent molecules in the neutral hydrolysis of ketene. Theoretical Chemistry Accounts, 2010, 127, 493-506.	1.4	14
22	Theoretical Study on the Identity Ion Pair SN2 Reactions of LiX with CH3SX (X = Cl, Br, and I):Â Structure, Mechanism, and Potential Energy Surfaceâ€. Journal of Physical Chemistry A, 2007, 111, 6615-6621.	2.5	12
23	Ab initio computational modeling on the tautomerism of monochalcogenocarboxylic acids CH3C(ï£¾O)XH (X = S, Se, and Te) in the polar and aprotic solution. International Journal of Quantum Chemistry, 2007, 107, 921-929.	2.0	11
24	Comprehensive Theoretical Studies on the Gas Phase S_N2 Reactions of Anionic Nucleophiles toward Chloroamine and N-Chlorodimethylamine with Inversion and Retention Mechanisms. Journal of Physical Chemistry A, 2011, 115, 13965-13974.	2.5	10
25	Origin of Enhanced Reactivity of a Microsolvated Nucleophile in Ion Pair S_N2 Reactions: The Cases of Sodium p-Nitrophenoxide with Halomethanes in Acetone. Journal of Physical Chemistry A, 2015, 119, 3878-3886.	2.5	10
26	Pyridine-incorporated cyclo[6]aramide for recognition of urea and its derivatives with two different binding modes. Supramolecular Chemistry, 2017, 29, 730-740.	1.2	10
27	Counter-ion effect in the nucleophilic substitution reactions at silicon: a G2M(+) level theoretical investigation. Theoretical Chemistry Accounts, 2008, 119, 407-411.	1.4	7
28	Theoretical investigation of ion pair SN2 reactions of alkali isothiocyanates with alkyl halides. Part 1. Reaction of lithium isothiocyanate and methyl fluoride with inversion mechanism. International Journal of Quantum Chemistry, 2005, 101, 104-112.	2.0	6
29	Theoretical study of the gas-phase ion pairs SN2 reactions of LiX with CH3SY (X, Y = F, Cl, Br, I). International Journal of Quantum Chemistry, 2007, 107, 1487-1494.	2.0	4
30	AB INITIO COMPUTATIONAL INVESTIGATIONS ON THE GAS-PHASE HOMODIMERIZATION AND KETO-ENOL TAUTOMERISM OF THE MONOCHALCOGENOCARBOXYLIC ACIDS CH3C(=O)XH (X = S, Se, Te). Journal of Theoretical and Computational Chemistry, 2011, 10, 41-51.	1.8	4
31	Tautomerism of monochalcogenosilanoic acids CH3Si(ï£¾O)XH (X = S, Se, Te) in the gas phase and in the polar and aprotic solution: Anab initio computational investigation. International Journal of Quantum Chemistry, 2008, 108, 142-150.	2.0	3
32	Comprehensive mechanistic study of ion pair SN2 reactions of lithium isocyanate and methyl halides. International Journal of Quantum Chemistry, 2006, 106, 1653-1663.	2.0	2
33	EXPLORING THE POTENTIAL ENERGY SURFACE OF THE CATALYZED ISOMERIZATION OF NITROSOMETHANE TO FORMALDOXIME. Journal of Theoretical and Computational Chemistry, 2007, 06, 187-195.	1.8	2
34	Theoretical study of the gas-phase SN2 reactions of Xâ¯ with CH3OY (X, Y = Cl, Br, I). International Journal of Quantum Chemistry, 2007, 107, 1142-1149.	2.0	1
35	Density functional theory study on the reactions of Xâ¯ with CH3SY (X, Y = F, Cl, Br, I). International Journal of Quantum Chemistry, 2007, 107, 1373-1381.	2.0	1
36	A Mechanism Study of a Novel Acid-Activatable Michael-Type Fluorescent Probe for Thiols. Chinese Journal of Chemical Physics, 2015, 28, 277-287.	1.3	0