

# Kai-Chung Lau

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8198586/kai-chung-lau-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114  
papers

2,474  
citations

26  
h-index

43  
g-index

120  
ext. papers

2,777  
ext. citations

5.6  
avg, IF

4.84  
L-index

#	Paper	IF	Citations
114	Visible light-induced oxidative -dealkylation of alkylamines by a luminescent osmium(vi) nitrido complex. <i>Chemical Science</i> , <b>2021</b> , 12, 14494-14498	9.4	3
113	Isomerization Dynamics in the Symmetric and Asymmetric Fragmentation of Ethane Dications. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 5789-5795	6.4	2
112	Thermochemical Trends in Carbon Chain Molecules HCH/HCH (= 1-6) Studied by Explicitly Correlated CCSD(T)-F12b Composite Methods. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 5385-5396	2.8	1
111	High-Level Predictions for the Ionization Energies, Bond Dissociation Energies, and Heats of Formation of Vanadium Methylidene, Vanadium Methyl Species, and Their Cations (VCH/VCH, VCH/VCH). <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 4957-4966	2.8	
110	Hydrogen atom transfer in the oxidation of alkylbenzenesulfonates by ferrate(VI) in aqueous solutions. <i>Dalton Transactions</i> , <b>2021</b> , 50, 715-721	4.3	1
109	Tribute to Cheuk-Yiu Ng. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 7353-7355	2.8	
108	Structure and Reactivity of a Manganese(VI) Nitrido Complex Bearing a Tetraamido Macrocyclic Ligand. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15863-15872	16.4	1
107	Cooperative activating effects of metal ion and Brønsted acid on a metal oxo species. <i>Chemical Science</i> , <b>2020</b> , 12, 632-638	9.4	1
106	High-Level Ab Initio Predictions for the Ionization Energy, Bond Dissociation Energies, and Heats of Formation of Vanadium Methylidyne Radical and Its Cation (VCH/VCH). <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 7454-7462	2.8	2
105	Selectivity control of CO versus HCOOH production in the visible-light-driven catalytic reduction of CO <sub>2</sub> with two cooperative metal sites. <i>Nature Catalysis</i> , <b>2019</b> , 2, 801-808	36.5	77
104	Olefin Polymerization Reactivity of Group 4 Post-Metallocene Catalysts Bearing a Four-Membered C(sp <sup>3</sup> )-Donor Chelate Ring. <i>ChemCatChem</i> , <b>2019</b> , 11, 628-635	5.2	3
103	High-level ab initio predictions for the ionisation energy, bond dissociation energies and heats of formation of zirconium oxide and its cation (ZrO/ZrO <sup>+</sup> ). <i>Molecular Physics</i> , <b>2018</b> , 116, 2709-2718	1.7	4
102	Highly Selective Molecular Catalysts for the CO <sub>2</sub> -to-CO Electrochemical Conversion at Very Low Overpotential. Contrasting Fe vs Co Quaterpyridine Complexes upon Mechanistic Studies. <i>ACS Catalysis</i> , <b>2018</b> , 8, 3411-3417	13.1	100
101	Unveiling the complex vibronic structure of the canonical adenine cation. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 20756-20765	3.6	10
100	Dissociation of [HCCH] to H and C: a benchmark reaction involving H migration, H-H combination, and C-H bond cleavage. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 27725-27729	3.6	14
99	Mechanism of Water Oxidation by Ferrate(VI) at pH 7-9. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18735-18742	18	
98	Two-Color Pulsed-Field Ionization-Photoelectron Spectroscopy: A Quest to Benchmark State-of-the-Art ab initio Quantum Electronic Structure Calculations of Spectroscopic and Energetic Properties for Transition Metal-Containing Species <b>2018</b> , 195-249		5

97	High-Level ab Initio Predictions for the Ionization Energies, Bond Dissociation Energies, and Heats of Formation of Titanium Oxides and Their Cations (TiO/TiO, n = 1 and 2). <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 669-679	2.8	15
96	A quantum-rovibrational-state-selected study of the reaction in the collision energy range of 0.05-10.00 eV: translational, rotational, and vibrational energy effects. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 9778-9789	3.6	11
95	Proton-Coupled O-Atom Transfer in the Oxidation of HSO by the Ruthenium Oxo Complex trans-[Ru(TMC)(O)] (TMC = 1,4,8,11-Tetramethyl-1,4,8,11-tetraazacyclotetradecane). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 12699-12702	5.1	3
94	Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12428-12431	3.6	
93	Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12260-12263	16.4	16
92	A hydrogen-atom transfer mechanism in the oxidation of alcohols by [FeO] in aqueous solution. <i>Dalton Transactions</i> , <b>2017</b> , 47, 240-245	4.3	6
91	Oxidation of hydroquinones by a (salen)ruthenium(vi) nitrido complex. <i>Chemical Communications</i> , <b>2016</b> , 52, 11430-11433	5.8	6
90	Multifaceted chelating $\eta^2(\text{B})_2$ -antifacial-(cis-C <sub>4</sub> R <sub>2</sub> H <sub>2</sub> ) coordination motif in binuclear complexes. <i>Chemical Communications</i> , <b>2016</b> , 52, 11056-9	5.8	4
89	A Photo-Triggered Traceless Staudinger-Bertozzi Ligation Reaction. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11537-42	4.8	14
88	Rotationally Resolved State-to-State Photoelectron Study of Molybdenum Monoxide Cation (MoO <sup>+</sup> ). <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 4643-54	2.8	12
87	Hydrogen atom transfer reactions of ferrate(VI) with phenols and hydroquinone. Correlation of rate constants with bond strengths and application of the Marcus cross relation. <i>Dalton Transactions</i> , <b>2016</b> , 45, 70-3	4.3	12
86	Kinetics and Mechanism of the Reaction of a Ruthenium(VI) Nitrido Complex with HSO <sub>3</sub> <sup>-</sup> and SO <sub>3</sub> <sup>2-</sup> in Aqueous Solution. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10754-8	4.8	2
85	Ca <sup>2+</sup> -Induced Oxygen Generation by FeO <sub>4</sub> <sup>2-</sup> at pH 9-10. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3064-3068	3.6	3
84	Ca(2+) -Induced Oxygen Generation by FeO <sub>4</sub> <sup>2-</sup> at pH 9-10. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3012-6	16.4	27
83	Identifying Cytosine-Specific Isomers via High-Accuracy Single Photon Ionization. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16596-16599	16.4	20
82	Frontispiece: Ca <sup>2+</sup> -Induced Oxygen Generation by FeO <sub>4</sub> <sup>2-</sup> at pH 9-10. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55,	16.4	1
81	Dual-Emissive Cyclometalated Iridium(III) Polypyridine Complexes as Ratiometric Biological Probes and Organelle-Selective Bioimaging Reagents. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6582-93	5.1	85
80	Catalytic oxidation of alkanes by a (salen)osmium(VI) nitrido complex using H <sub>2</sub> O <sub>2</sub> as the terminal oxidant. <i>Chemical Communications</i> , <b>2015</b> , 51, 13686-9	5.8	16

79	Probing the reactivity of microhydrated nucleophile in the anionic gas-phase S(N) <sub>2</sub> reaction. <i>Journal of Computational Chemistry</i> , <b>2015</b> , 36, 844-52	3.5	10
78	Ion-Desorption Efficiency and Internal-Energy Transfer in Surface-Assisted Laser Desorption/Ionization: More Implication(s) for the Thermal-Driven and Phase-Transition-Driven Desorption Process. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 23708-23720	3.8	44
77	Molecular Catalysis of the Electrochemical and Photochemical Reduction of CO <sub>2</sub> with Earth-Abundant Metal Complexes. Selective Production of CO vs HCOOH by Switching of the Metal Center. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10918-21	16.4	246
76	Theoretical and Experimental Photoelectron Spectroscopy Characterization of the Ground State of Thymine Cation. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 5951-8	2.8	21
75	Pathways for nonsequential and sequential fragmentation of CO <sub>2</sub> <sup>3+</sup> investigated by electron collision. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	30
74	Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC <sup>+</sup> ). <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 9780-93	3.6	14
73	Strongly phosphorescent neutral rhenium(i) isocyanoborato complexes: synthesis, characterization, and photophysical, electrochemical, and computational studies. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 2603-12	4.8	33
72	Vibrationally resolved photoelectron spectroscopy of electronic excited states of DNA bases: application to the $\pi$ state of thymine cation. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 1146-53	2.8	13
71	Concerted or stepwise mechanism? New insight into the water-mediated neutral hydrolysis of carbonyl sulfide. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 3503-13	2.8	14
70	Acid-induced formation of hydrogen-bonded double helix based on chiral polyphenyl-bridged bis(2,2'-bipyridine) ligands. <i>RSC Advances</i> , <b>2014</b> , 4, 14513-14526	3.7	7
69	Negative electrospray ionization on porous supporting tips for mass spectrometric analysis: electrostatic charging effect on detection sensitivity and its application to explosive detection. <i>Analyst</i> , <b>2014</b> , 139, 1482-91	5	10
68	Catalytic water oxidation by ruthenium(II) quaterpyridine (qpy) complexes: evidence for ruthenium(III) qpy-N,N''-dioxide as the real catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14468-71	16.4	52
67	Photoinduced water oxidation catalyzed by a double-helical dicobalt(II) sexipyridine complex. <i>Chemical Communications</i> , <b>2014</b> , 50, 14956-9	5.8	20
66	Functionalization of alkynes by a (salen)ruthenium(VI) nitrido complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8463-6	16.4	17
65	Theoretical studies of 2-quinolinol: Geometries, vibrational frequencies, isomerization, tautomerism, and excited states. <i>Chemical Physics Letters</i> , <b>2014</b> , 613, 29-33	2.5	9
64	High-level ab initio predictions for the ionization energy, electron affinity, and heats of formation of cyclopentadienyl radical, cation, and anion, C <sub>5</sub> H <sub>5</sub> /C <sub>5</sub> H <sub>5</sub> <sup>+</sup> /C <sub>5</sub> H <sub>5</sub> <sup>-</sup> . <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 2498-507	2.8	12
63	G <sub>2</sub> (+)M study on N-alkylamino cation affinities of neutral main-group element hydrides: trends across the periodic table. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 3351-9	2.8	1
62	Highly efficient alkane oxidation catalyzed by [Mn(V)(N)(CN) <sub>4</sub> ]( <sup>2-</sup> ). Evidence for [Mn(VII)(N)(O)(CN) <sub>4</sub> ]( <sup>2-</sup> ) as an active intermediate. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7680-7	16.4	29

61	Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) qpy-N,N'-dioxide as the Real Catalysts. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 14696-14699	3.6	11
60	Development of sustainable fluororous chemistry: the synthesis and characterization of fluororous ethers with nonafluoro-tert-butoxy groups. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 1180-1187	5.2	12
59	Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8603-8606	3.6	4
58	Communication: the origin of rotational enhancement effect for the reaction of H <sub>2</sub> O(+) + H <sub>2</sub> (D <sub>2</sub> ). <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 011102	3.9	38
57	Slow photoelectron spectroscopy of 3-hydroxyisoquinoline. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 8095-102	2.8	15
56	Anion velocity imaging study of the dissociative electron attachment to CFCl <sub>3</sub> . <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	4
55	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formation of cobalt carbide (CoC) and its cation (CoC <sup>+</sup> ). <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 094302	3.9	22
54	Zwitterionic base-stabilized digermadistannacyclobutadiene and tetragermacyclobutadiene. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14726-31	4.8	19
53	Olefin Polymerization Behavior of Titanium(IV) Pyridine-2-phenolate-6-( <i>tert</i> -butyl) Catalysts: Impact of <i>ortho</i> -Adjacent and Phenolate Substituents. <i>Organometallics</i> , <b>2013</b> , 32, 449-459	3.8	14
52	C-N bond cleavage of anilines by a (salen)ruthenium(VI) nitrido complex. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5533-6	16.4	32
51	The effect exhibited in gas-phase S(N) <sub>2</sub> @N and S(N) <sub>2</sub> @C reactions. <i>Journal of Computational Chemistry</i> , <b>2013</b> , 34, 1997-2005	3.5	23
50	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of titanium monoxide cation. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 174309	3.9	16
49	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of cobalt carbide cation. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 094301	3.9	18
48	A M <sub>4</sub> L <sub>6</sub> tetrahedral manganese cage: Stereoselective synthesis and captured anion exchange. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 24, 70-72	3.1	7
47	Theoretical Investigations on Charge-Transfer Properties of Novel High Mobility n-Channel Organic Semiconductors Diazapentacene Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 22749-22758	3.8	25
46	Generation of (nonafluoro-tert-butoxy)methyl ponytails for enhanced fluororous partition of aromatics and heterocycles. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 3909-14	3.6	18
45	Epoxidation of alkenes and oxidation of alcohols with hydrogen peroxide catalyzed by a manganese(V) nitrido complex. <i>Chemical Communications</i> , <b>2011</b> , 47, 4273-5	5.8	82
44	Oxygen evolution from BF <sub>3</sub> /MnO <sub>4</sub> <sup>-</sup> . <i>Chemical Communications</i> , <b>2011</b> , 47, 4159-61	5.8	14

43	Lewis acid-activated oxidation of alcohols by permanganate. <i>Chemical Communications</i> , <b>2011</b> , 47, 7143-55.8		48
42	Doping effects on structural and electronic properties of ladderanes and ladder polysilanes: a density functional theory investigation. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 7656-63	2.8	3
41	High-level ab initio predictions for the ionization energies and heats of formation of five-membered-ring molecules: thiophene, furan, pyrrole, 1,3-cyclopentadiene, and borole, C <sub>4</sub> H <sub>4</sub> X/C <sub>4</sub> H <sub>4</sub> X <sup>+</sup> (X = S, O, NH, CH <sub>2</sub> , and BH). <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 932-9	2.8	18
40	Note: Accurate ab initio predictions of ionization energies of propargyl and allyl radicals: revisited. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 246101	3.9	7
39	A vacuum-ultraviolet laser pulsed field ionization-photoelectron study of sulfur monoxide (SO) and its cation (SO <sup>+</sup> ). <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 144304	3.9	12
38	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formation of nickel carbide (NiC) and its cation (NiC <sup>+</sup> ). <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 114304	3.9	22
37	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of nickel carbide cation. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 054310	3.9	20
36	Synthesis and Characterization of Magnesium and Aluminum Bis(phosphoranyl)methanediide Complexes. <i>Organometallics</i> , <b>2010</b> , 29, 939-944	3.8	19
35	Appending zinc tetraphenylporphyrin with an amine receptor at the pyrrolic carbon for designing a selective histamine chemosensor. <i>Supramolecular Chemistry</i> , <b>2010</b> , 22, 122-129	1.8	11
34	Reactivity of a disilylene [{PhC(NBu(t))(2)}Si](2) toward bromine: synthesis and characterization of a stable monomeric bromosilylene. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 371-3	5.1	30
33	Synthesis and characterization of a tin(II) bis(phosphinoyl)methanediide complex: a stannavinylidene derivative. <i>Chemical Communications</i> , <b>2010</b> , 46, 1929-31	5.8	27
32	Determining the CH <sub>3</sub> SO <sub>2</sub> → CH <sub>3</sub> + SO <sub>2</sub> barrier from methylsulfonyl chloride photodissociation at 193 nm using velocity map imaging. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 044304	3.9	24
31	Dissociation dynamics of the methylsulfonyl radical and its photolytic precursor CH <sub>3</sub> SO <sub>2</sub> Cl. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 044305	3.9	13
30	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formations of iron carbide (FeC) and its cation (FeC <sup>+</sup> ). <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 14321-8	2.8	30
29	Kinetics and mechanism of the oxidation of ascorbic acid in aqueous solutions by a trans-dioxoruthenium(VI) complex. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 400-6	5.1	25
28	The adiabatic electron affinities (EAs) for the heteroatomic molecule SO <sub>4</sub> : An MP2/CBS study. <i>Chemical Physics Letters</i> , <b>2009</b> , 467, 402-406	2.5	4
27	A bioaccumulative cyclometalated platinum(II) complex with two-photon-induced emission for live cell imaging. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 872-8	5.1	87
26	Conformation-specific pathways of beta-alanine: a vacuum ultraviolet photoionization and theoretical study. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 5838-45	2.8	21

25	Synthesis and characterization of a germanium bismethanediide complex. <i>Chemical Communications</i> , <b>2009</b> , 6816-8	5.8	29
24	Structures and properties of closed ladderanes C <sub>24</sub> H <sub>24</sub> , ladderasilanes Si <sub>24</sub> H <sub>24</sub> , and their nitrogen-containing isoelectronic equivalents: a G3(MP2) investigation. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 3413-9	2.8	4
23	Rovibrationally selected and resolved pulsed field ionization-photoelectron study of propyne: ionization energy and spin-orbit interaction in propyne cation. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 094311	3.9	21
22	Investigation of the O+allyl addition/elimination reaction pathways from the OCH(2)CHCH(2) radical intermediate. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 084301	3.9	20
21	Discovery of singlet diradicals: theoretical study on the cage species C <sub>14</sub> N <sub>12</sub> -H <sub>6</sub> and its six derivatives. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 9838-47	2.8	7
20	Photodissociation pathways of 1,1-dichloroacetone. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 5968-80	2.8	5
19	Vacuum ultraviolet laser pulsed field ionization-photoelectron study of allyl radical CH <sub>2</sub> CHCH <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 171101	3.9	23
18	Theoretical prediction of the ionization energies of the C <sub>4</sub> H <sub>7</sub> radicals: 1-methylallyl, 2-methylallyl, cyclopropylmethyl, and cyclobutyl radicals. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 154302	3.9	10
17	Photofragment imaging study of the CH <sub>2</sub> CCH <sub>2</sub> OH radical intermediate of the OH+allene reaction. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 154316	3.9	8
16	Assignment of rovibrational transitions of propyne in the region of 2934-2952 cm <sup>-1</sup> measured by two-color IR-vacuum ultraviolet laser photoion-photoelectron methods. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 044313	3.9	10
15	A time-dependent wave packet quantum scattering study of the reaction HD <sup>+</sup> (v = 0 - 3; j <sub>0</sub> = 1) + He → HeH <sup>+</sup> (HeD <sup>+</sup> ) + D(H). <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 164318	3.9	17
14	A photodissociation study of CH <sub>2</sub> BrCl in the A-band using the time-sliced ion velocity imaging method. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 034309	3.9	45
13	Rovibrationally selected and resolved state-to-state photoionization of ethylene using the infrared-vacuum ultraviolet pulsed field ionization-photoelectron method. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 133304	3.9	19
12	Photodissociation of 1-bromo-2-butene, 4-bromo-1-butene, and cyclopropylmethyl bromide at 234 nm studied using velocity map imaging. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 144312	3.9	15
11	Unimolecular dissociation of the CH <sub>3</sub> OCO radical: an intermediate in the CH <sub>3</sub> O + CO reaction. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 1625-34	2.8	42
10	Photodissociation of cyclobutyl bromide at 234 nm studied using velocity map imaging. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 5379-85	2.8	6
9	Observation of cysteine thiolate and -S...H-O intermolecular hydrogen bond. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 12603-6	2.8	54
8	Benchmarking state-of-the-art ab initio thermochemical predictions with accurate pulsed-field ionization photoion-photoelectron measurements. <i>Accounts of Chemical Research</i> , <b>2006</b> , 39, 823-9	24.3	53

7	Low-temperature photoelectron spectroscopy of aliphatic dicarboxylate monoanions, HO <sub>2</sub> C(CH <sub>2</sub> (nCO <sub>2</sub> <sup>-</sup> (n = 1-10): hydrogen bond induced cyclization and strain energies. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 7801-5	2.8	12
6	Probing the low-barrier hydrogen bond in hydrogen maleate in the gas phase: a photoelectron spectroscopy and ab initio study. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 10633-7	2.8	34
5	Theoretical study of the Diels-Alder reactions between singlet (1Δ <sub>g</sub> ) oxygen and acenes. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 7509-18	2.8	50
4	The C <sub>3</sub> H <sub>7</sub> <sup>+</sup> Appearance Energy from 2-Iodopropane and 2-Chloropropane Studied by Threshold Photoelectron Photoion Coincidence. <i>European Journal of Mass Spectrometry</i> , <b>2004</b> , 10, 819-827	1.1	9
3	Study of the Dissociation of CH <sub>3</sub> SCH <sub>3</sub> <sup>+</sup> by Collisional Activation: Evidence of Nonstatistical Behavior <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 9729-9736	2.8	14
2	Alkyne Oxidations by cis-Dioxoruthenium(VI) Complexes. A Formal [3 + 2] Cycloaddition Reaction of Alkynes with cis-[(Cn <sup>*</sup> )(CF <sub>3</sub> CO <sub>2</sub> )RuVIO <sub>2</sub> ]ClO <sub>4</sub> (Cn <sup>*</sup> = 1,4,7-Trimethyl-1,4,7-triazacyclononane). <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11380-11392	16.4	91
1	Influence of iron oxide coating on the tribological behavior of sand grain contacts. <i>Acta Geotechnica</i> , <b>1</b>	4.9	2