

Kai-Chung Lau

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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	Molecular Catalysis of the Electrochemical and Photochemical Reduction of CO ₂ 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> , 2015 , 137, 10918-21	16.4	246
113	Highly Selective Molecular Catalysts for the CO ₂ -to-CO Electrochemical Conversion at Very Low Overpotential. Contrasting Fe vs Co Quaterpyridine Complexes upon Mechanistic Studies. <i>ACS Catalysis</i> , 2018 , 8, 3411-3417	13.1	100
112	Alkyne Oxidations by cis-Dioxoruthenium(VI) Complexes. A Formal [3 + 2] Cycloaddition Reaction of Alkynes with cis-[(Cn*)(CF ₃ CO ₂)RuVIO ₂]ClO ₄ (Cn* = 1,4,7-Trimethyl-1,4,7-triazacyclononane). <i>Journal of the American Chemical Society</i> , 2000 , 122, 11380-11392	16.4	91
111	A bioaccumulative cyclometalated platinum(II) complex with two-photon-induced emission for live cell imaging. <i>Inorganic Chemistry</i> , 2009 , 48, 872-8	5.1	87
110	Dual-Emissive Cyclometalated Iridium(III) Polypyridine Complexes as Ratiometric Biological Probes and Organelle-Selective Bioimaging Reagents. <i>Inorganic Chemistry</i> , 2015 , 54, 6582-93	5.1	85
109	Epoxidation of alkenes and oxidation of alcohols with hydrogen peroxide catalyzed by a manganese(V) nitrido complex. <i>Chemical Communications</i> , 2011 , 47, 4273-5	5.8	82
108	Selectivity control of CO versus HCOOH production in the visible-light-driven catalytic reduction of CO ₂ with two cooperative metal sites. <i>Nature Catalysis</i> , 2019 , 2, 801-808	36.5	77
107	Observation of cysteine thiolate and -S...H-O intermolecular hydrogen bond. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12603-6	2.8	54
106	Benchmarking state-of-the-art ab initio thermochemical predictions with accurate pulsed-field ionization photoion-photoelectron measurements. <i>Accounts of Chemical Research</i> , 2006 , 39, 823-9	24.3	53
105	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> , 2014 , 53, 14468-71	16.4	52
104	Theoretical study of the Diels-Alder reactions between singlet (1Δ _g) oxygen and acenes. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 7509-18	2.8	50
103	Lewis acid-activated oxidation of alcohols by permanganate. <i>Chemical Communications</i> , 2011 , 47, 7143-55.8	5.8	48
102	A photodissociation study of CH ₂ BrCl in the A-band using the time-sliced ion velocity imaging method. <i>Journal of Chemical Physics</i> , 2006 , 124, 034309	3.9	45
101	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> , 2015 , 119, 23708-23720	3.8	44
100	Unimolecular dissociation of the CH ₃ OCO radical: an intermediate in the CH ₃ O + CO reaction. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 1625-34	2.8	42
99	Communication: the origin of rotational enhancement effect for the reaction of H ₂ O(+) + H ₂ (D ₂). <i>Journal of Chemical Physics</i> , 2014 , 140, 011102	3.9	38
98	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> , 2005 , 109, 10633-7	2.8	34

97	Strongly phosphorescent neutral rhenium(i) isocyanoborato complexes: synthesis, characterization, and photophysical, electrochemical, and computational studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 2603-12	4.8	33
96	C-N bond cleavage of anilines by a (salen)ruthenium(VI) nitrido complex. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5533-6	16.4	32
95	Pathways for nonsequential and sequential fragmentation of CO ₂ ³⁺ investigated by electron collision. <i>Physical Review A</i> , 2015 , 91,	2.6	30
94	Reactivity of a disilylene [PhC(NBu(t))(2)Si](2) toward bromine: synthesis and characterization of a stable monomeric bromosilylene. <i>Inorganic Chemistry</i> , 2010 , 49, 371-3	5.1	30
93	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formations of iron carbide (FeC) and its cation (FeC ⁺). <i>Journal of Physical Chemistry A</i> , 2009 , 113, 14321-8	2.8	30
92	Highly efficient alkane oxidation catalyzed by [Mn(V)(N)(CN) ₄] ⁽²⁻⁾ . Evidence for [Mn(VII)(N)(O)(CN) ₄] ⁽²⁻⁾ as an active intermediate. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7680-7	16.4	29
91	Synthesis and characterization of a germanium bismethanediide complex. <i>Chemical Communications</i> , 2009 , 6816-8	5.8	29
90	Synthesis and characterization of a tin(II) bis(phosphinoyl)methanediide complex: a stannavinylidene derivative. <i>Chemical Communications</i> , 2010 , 46, 1929-31	5.8	27
89	Ca(2+) -Induced Oxygen Generation by FeO ₄ ⁽²⁻⁾ at pH 9-10. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3012-6	16.4	27
88	Theoretical Investigations on Charge-Transfer Properties of Novel High Mobility n-Channel Organic Semiconductors Diazapentacene Derivatives. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22749-22758	3.8	25
87	Kinetics and mechanism of the oxidation of ascorbic acid in aqueous solutions by a trans-dioxoruthenium(VI) complex. <i>Inorganic Chemistry</i> , 2009 , 48, 400-6	5.1	25
86	Determining the CH ₃ SO ₂ → CH ₃ + SO ₂ barrier from methylsulfonyl chloride photodissociation at 193 nm using velocity map imaging. <i>Journal of Chemical Physics</i> , 2009 , 131, 044304	3.9	24
85	The effect exhibited in gas-phase S(N) ₂ @N and S(N) ₂ @C reactions. <i>Journal of Computational Chemistry</i> , 2013 , 34, 1997-2005	3.5	23
84	Vacuum ultraviolet laser pulsed field ionization-photoelectron study of allyl radical CH ₂ CHCH ₂ . <i>Journal of Chemical Physics</i> , 2007 , 126, 171101	3.9	23
83	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formation of cobalt carbide (CoC) and its cation (CoC ⁺). <i>Journal of Chemical Physics</i> , 2013 , 138, 094302	3.9	22
82	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formation of nickel carbide (NiC) and its cation (NiC ⁺). <i>Journal of Chemical Physics</i> , 2010 , 133, 114304	3.9	22
81	Theoretical and Experimental Photoelectron Spectroscopy Characterization of the Ground State of Thymine Cation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 5951-8	2.8	21
80	Conformation-specific pathways of beta-alanine: a vacuum ultraviolet photoionization and theoretical study. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 5838-45	2.8	21

79	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> , 2008 , 128, 094311	3.9	21
78	Photoinduced water oxidation catalyzed by a double-helical dicobalt(II) sexipyridine complex. <i>Chemical Communications</i> , 2014 , 50, 14956-9	5.8	20
77	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of nickel carbide cation. <i>Journal of Chemical Physics</i> , 2010 , 133, 054310	3.9	20
76	Investigation of the O+allyl addition/elimination reaction pathways from the OCH(2)CHCH(2) radical intermediate. <i>Journal of Chemical Physics</i> , 2008 , 129, 084301	3.9	20
75	Identifying Cytosine-Specific Isomers via High-Accuracy Single Photon Ionization. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16596-16599	16.4	20
74	Zwitterionic base-stabilized digermadistannacyclobutadiene and tetragermacyclobutadiene. <i>Chemistry - A European Journal</i> , 2013 , 19, 14726-31	4.8	19
73	Synthesis and Characterization of Magnesium and Aluminum Bis(phosphoranyl)methanediide Complexes. <i>Organometallics</i> , 2010 , 29, 939-944	3.8	19
72	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> , 2006 , 125, 133304	3.9	19
71	Generation of (nonafluoro-tert-butoxy)methyl ponytails for enhanced fluorophilic partition of aromatics and heterocycles. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3909-14	3.6	18
70	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of cobalt carbide cation. <i>Journal of Chemical Physics</i> , 2013 , 138, 094301	3.9	18
69	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 ₄ H ₄ X/C ₄ H ₄ X ⁺ (X = S, O, NH, CH ₂ , and BH). <i>Journal of Physical Chemistry A</i> , 2011 , 115, 932-9	2.8	18
68	Mechanism of Water Oxidation by Ferrate(VI) at pH 7-9. <i>Chemistry - A European Journal</i> , 2018 , 24, 18735-18742	4.18	18
67	Functionalization of alkynes by a (salen)ruthenium(VI) nitrido complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8463-6	16.4	17
66	A time-dependent wave packet quantum scattering study of the reaction HD ⁺ (v = 0 - 3; j ₀ = 1) + He → HeH ⁺ (HeD ⁺) + D(H). <i>Journal of Chemical Physics</i> , 2007 , 127, 164318	3.9	17
65	Catalytic oxidation of alkanes by a (salen)osmium(VI) nitrido complex using H ₂ O ₂ as the terminal oxidant. <i>Chemical Communications</i> , 2015 , 51, 13686-9	5.8	16
64	Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12260-12263	16.4	16
63	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of titanium monoxide cation. <i>Journal of Chemical Physics</i> , 2013 , 138, 174309	3.9	16
62	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> , 2017 , 121, 669-679	2.8	15

61	Slow photoelectron spectroscopy of 3-hydroxyisoquinoline. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 8095-102	2.8	15
60	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> , 2006 , 125, 144312	3.9	15
59	A Photo-Triggered Traceless Staudinger-Bertozzi Ligation Reaction. <i>Chemistry - A European Journal</i> , 2016 , 22, 11537-42	4.8	14
58	Concerted or stepwise mechanism? New insight into the water-mediated neutral hydrolysis of carbonyl sulfide. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 3503-13	2.8	14
57	Olefin Polymerization Behavior of Titanium(IV) Pyridine-2-phenolate-6-(β -aryl) Catalysts: Impact of β -Adjacent and Phenolate Substituents. <i>Organometallics</i> , 2013 , 32, 449-459	3.8	14
56	Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC ⁺). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 9780-93	3.6	14
55	Oxygen evolution from BF ₃ /MnO ₄ ⁻ . <i>Chemical Communications</i> , 2011 , 47, 4159-61	5.8	14
54	Study of the Dissociation of CH ₃ SCH ₃ ⁺ by Collisional Activation: Evidence of Nonstatistical Behavior <i>Journal of Physical Chemistry A</i> , 2002 , 106, 9729-9736	2.8	14
53	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> , 2018 , 20, 27725-27729	3.6	14
52	Vibrationally resolved photoelectron spectroscopy of electronic excited states of DNA bases: application to the β state of thymine cation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 1146-53	2.8	13
51	Dissociation dynamics of the methylsulfonyl radical and its photolytic precursor CH ₃ SO ₂ Cl. <i>Journal of Chemical Physics</i> , 2009 , 131, 044305	3.9	13
50	Rotationally Resolved State-to-State Photoelectron Study of Molybdenum Monoxide Cation (MoO ⁺). <i>Journal of Physical Chemistry A</i> , 2016 , 120, 4643-54	2.8	12
49	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> , 2016 , 45, 70-3	4.3	12
48	High-level ab initio predictions for the ionization energy, electron affinity, and heats of formation of cyclopentadienyl radical, cation, and anion, C ₅ H ₅ /C ₅ H ₅ ⁺ /C ₅ H ₅ ⁻ . <i>Journal of Physical Chemistry A</i> , 2014 , 118, 2498-507	2.8	12
47	Development of sustainable fluorous chemistry: the synthesis and characterization of fluorous ethers with nonafluoro-tert-butoxy groups. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1180-1187	5.2	12
46	A vacuum-ultraviolet laser pulsed field ionization-photoelectron study of sulfur monoxide (SO) and its cation (SO ⁺). <i>Journal of Chemical Physics</i> , 2011 , 134, 144304	3.9	12
45	Low-temperature photoelectron spectroscopy of aliphatic dicarboxylate monoanions, HO ₂ C(CH ₂ (nCO ₂ ⁻ (n = 1-10): hydrogen bond induced cyclization and strain energies. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7801-5	2.8	12
44	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> , 2017 , 19, 9778-9789	3.6	11

43	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> , 2014 , 126, 14696-14699	3.6	11
42	Appending zinc tetraphenylporphyrin with an amine receptor at the pyrrolic carbon for designing a selective histamine chemosensor. <i>Supramolecular Chemistry</i> , 2010 , 22, 122-129	1.8	11
41	Probing the reactivity of microhydrated nucleophile in the anionic gas-phase S(N)2 reaction. <i>Journal of Computational Chemistry</i> , 2015 , 36, 844-52	3.5	10
40	Unveiling the complex vibronic structure of the canonical adenine cation. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20756-20765	3.6	10
39	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> , 2014 , 139, 1482-91	5	10
38	Theoretical prediction of the ionization energies of the C4H7 radicals: 1-methylallyl, 2-methylallyl, cyclopropylmethyl, and cyclobutyl radicals. <i>Journal of Chemical Physics</i> , 2007 , 127, 154302	3.9	10
37	Assignment of rovibrational transitions of propyne in the region of 2934-2952 cm ⁻¹ measured by two-color IR-vacuum ultraviolet laser photoion-photoelectron methods. <i>Journal of Chemical Physics</i> , 2007 , 127, 044313	3.9	10
36	Theoretical studies of 2-quinolinol: Geometries, vibrational frequencies, isomerization, tautomerism, and excited states. <i>Chemical Physics Letters</i> , 2014 , 613, 29-33	2.5	9
35	The C3H7+ Appearance Energy from 2-Iodopropane and 2-Chloropropane Studied by Threshold Photoelectron Photoion Coincidence. <i>European Journal of Mass Spectrometry</i> , 2004 , 10, 819-827	1.1	9
34	Photofragment imaging study of the CH2CCH2OH radical intermediate of the OH+allene reaction. <i>Journal of Chemical Physics</i> , 2007 , 127, 154316	3.9	8
33	Acid-induced formation of hydrogen-bonded double helix based on chiral polyphenyl-bridged bis(2,2'-bipyridine) ligands. <i>RSC Advances</i> , 2014 , 4, 14513-14526	3.7	7
32	A M4L6 tetrahedral manganese cage: Stereoselective synthesis and captured anion exchange. <i>Inorganic Chemistry Communication</i> , 2012 , 24, 70-72	3.1	7
31	Note: Accurate ab initio predictions of ionization energies of propargyl and allyl radicals: revisited. <i>Journal of Chemical Physics</i> , 2011 , 135, 246101	3.9	7
30	Discovery of singlet diradicals: theoretical study on the cage species C14N12-H6 and its six derivatives. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 9838-47	2.8	7
29	Oxidation of hydroquinones by a (salen)ruthenium(vi) nitrido complex. <i>Chemical Communications</i> , 2016 , 52, 11430-11433	5.8	6
28	Photodissociation of cyclobutyl bromide at 234 nm studied using velocity map imaging. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 5379-85	2.8	6
27	A hydrogen-atom transfer mechanism in the oxidation of alcohols by [FeO] in aqueous solution. <i>Dalton Transactions</i> , 2017 , 47, 240-245	4.3	6
26	Photodissociation pathways of 1,1-dichloroacetone. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 5968-80	2.8	5

25	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 2018 , 195-249		5
24	High-level ab initio predictions for the ionisation energy, bond dissociation energies and heats of formation of zirconium oxide and its cation (ZrO/ZrO ⁺). <i>Molecular Physics</i> , 2018 , 116, 2709-2718	1.7	4
23	Multifaceted chelating $\eta^2(\text{B})\text{:}(\text{B})$ -antifacial)-(cis-C ₄ R ₂ H ₂) coordination motif in binuclear complexes. <i>Chemical Communications</i> , 2016 , 52, 11056-9	5.8	4
22	Anion velocity imaging study of the dissociative electron attachment to CFCl ₃ . <i>Physical Review A</i> , 2013 , 87,	2.6	4
21	Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. <i>Angewandte Chemie</i> , 2014 , 126, 8603-8606	3.6	4
20	The adiabatic electron affinities (EAs) for the heteroatomic molecule SO ₄ : An MP2/CBS study. <i>Chemical Physics Letters</i> , 2009 , 467, 402-406	2.5	4
19	Structures and properties of closed ladderanes C ₂₄ H ₂₄ , laddersilanes Si ₂₄ H ₂₄ , and their nitrogen-containing isoelectronic equivalents: a G3(MP2) investigation. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 3413-9	2.8	4
18	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> , 2017 , 56, 12699-12702	5.1	3
17	Doping effects on structural and electronic properties of ladderanes and ladder polysilanes: a density functional theory investigation. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 7656-63	2.8	3
16	Visible light-induced oxidative -dealkylation of alkylamines by a luminescent osmium(vi) nitrido complex. <i>Chemical Science</i> , 2021 , 12, 14494-14498	9.4	3
15	Ca ²⁺ -Induced Oxygen Generation by FeO ₄ at pH 9. <i>Angewandte Chemie</i> , 2016 , 128, 3064-3068	3.6	3
14	Olefin Polymerization Reactivity of Group 4 Post-Metallocene Catalysts Bearing a Four-Membered C(sp ³)-Donor Chelate Ring. <i>ChemCatChem</i> , 2019 , 11, 628-635	5.2	3
13	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> , 2019 , 123, 7454-7462	2.8	2
12	Influence of iron oxide coating on the tribological behavior of sand grain contacts. <i>Acta Geotechnica</i> , 2021 , 12, 1449-1458	4.9	2
11	Isomerization Dynamics in the Symmetric and Asymmetric Fragmentation of Ethane Dications. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5789-5795	6.4	2
10	Kinetics and Mechanism of the Reaction of a Ruthenium(VI) Nitrido Complex with HSO ₃ ⁻ and SO ₃ ²⁻ in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2016 , 22, 10754-8	4.8	2
9	G ₂ (+)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> , 2014 , 118, 3351-9	2.8	1
8	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> , 2021 , 125, 5385-5396	2.8	1

7	Frontispiece: Ca ²⁺ -Induced Oxygen Generation by FeO ₄ ²⁻ at pH 9.0. <i>Angewandte Chemie - International Edition</i> , 2016 , 55,	16.4	1
6	Cooperative activating effects of metal ion and Brønsted acid on a metal oxo species. <i>Chemical Science</i> , 2020 , 12, 632-638	9.4	1
5	Hydrogen atom transfer in the oxidation of alkylbenzenesulfonates by ferrate(VI) in aqueous solutions. <i>Dalton Transactions</i> , 2021 , 50, 715-721	4.3	1
4	Structure and Reactivity of a Manganese(VI) Nitrido Complex Bearing a Tetraamido Macrocyclic Ligand. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15863-15872	16.4	1
3	Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. <i>Angewandte Chemie</i> , 2017 , 129, 12428-12431	3.6	
2	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> , 2021 , 125, 4957-4966	2.8	
1	Tribute to Cheuk-Yiu Ng. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 7353-7355	2.8	