

Kai-Chung Lau

List of Publications by Year in descending order

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papers

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docs citations

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3965
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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, 10918-10921. | 6.6 | 294 |
| 2 | 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. | 16.1 | 153 |
| 3 | 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. | 5.5 | 141 |
| 4 | Dual-Emissive Cyclometalated Iridium(III) Polypyridine Complexes as Ratiometric Biological Probes and Organelle-Selective Bioimaging Reagents. <i>Inorganic Chemistry</i> , 2015, 54, 6582-6593. | 1.9 | 100 |
| 5 | 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. | 6.6 | 99 |
| 6 | A Bioaccumulative Cyclometalated Platinum(II) Complex with Two-Photon-Induced Emission for Live Cell Imaging. <i>Inorganic Chemistry</i> , 2009, 48, 872-878. | 1.9 | 94 |
| 7 | Epoxidation of alkenes and oxidation of alcohols with hydrogen peroxide catalyzed by a manganese(V) nitrido complex. <i>Chemical Communications</i> , 2011, 47, 4273. | 2.2 | 89 |
| 8 | Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) qpy ⁺ as the Real Catalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14468-14471. | 7.6 | 68 |
| 9 | 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. | 1.5 | 61 |
| 10 | Theoretical Study of the Diels-Alder Reactions between Singlet (1 ¹ g) Oxygen and Acenes. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7509-7518. | 1.1 | 59 |
| 11 | Benchmarking State-of-the-Art Ab Initio Thermochemical Predictions with Accurate Pulsed-Field Ionization Photoelectron Measurements. <i>Accounts of Chemical Research</i> , 2006, 39, 823-829. | 7.6 | 58 |
| 12 | Lewis acid-activated oxidation of alcohols by permanganate. <i>Chemical Communications</i> , 2011, 47, 7143. | 2.2 | 57 |
| 13 | Observation of Cysteine Thiolate and S-H...O Intermolecular Hydrogen Bond. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12603-12606. | 1.1 | 54 |
| 14 | 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, 1625-1634. | 1.1 | 48 |
| 15 | 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. | 1.2 | 48 |
| 16 | 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. | 1.2 | 46 |
| 17 | Pathways for nonsequential and sequential fragmentation of CO ₂ by electron collision. <i>Physical Review A</i> , 2015, 91, . | 1.0 | 42 |
| 18 | Reactivity of a Disilylene [PhC(NBu) ₂ Si] ₂ toward Bromine: Synthesis and Characterization of a Stable Monomeric Bromosilylene. <i>Inorganic Chemistry</i> , 2010, 49, 371-373. | 1.9 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Strongly Phosphorescent Neutral Rhenium(I) Isocyanoborato Complexes: Synthesis, Characterization, and Photophysical, Electrochemical, and Computational Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 2603-2612. | 1.7 | 40 |
| 20 | Câ€N Bond Cleavage of Anilines by a (Salen)ruthenium(VI) Nitrido Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 5533-5536. | 6.6 | 37 |
| 21 | Probing the Low-Barrier Hydrogen Bond in Hydrogen Maleate in the Gas Phase:â€‰ A Photoelectron Spectroscopy and ab Initio Study. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10633-10637. | 1.1 | 36 |
| 22 | Synthesis and characterization of a germanium bismethanediide complex. <i>Chemical Communications</i> , 2009, , 6816. | 2.2 | 36 |
| 23 | Ca ²⁺ -Induced Oxygen Generation by FeO ₄ ²⁻ at pHâ€‰...9â€‰ 10. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3012-3016. | 7.2 | 35 |
| 24 | Highly Efficient Alkane Oxidation Catalyzed by [Mn ^V (N)(CN) ₄] ²⁻ . Evidence for [Mn ^{VI} (N)(O)(CN) ₄] ²⁻ as an Active Intermediate. <i>Journal of the American Chemical Society</i> , 2014, 136, 7680-7687. | 6.6 | 34 |
| 25 | 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, 14321-14328. | 1.1 | 32 |
| 26 | Kinetics and Mechanism of the Oxidation of Ascorbic Acid in Aqueous Solutions by a <i>trans</i> -Dioxoruthenium(VI) Complex. <i>Inorganic Chemistry</i> , 2009, 48, 400-406. | 1.9 | 28 |
| 27 | Synthesis and characterization of a tin(II) bis(phosphinoyl)methanediide complex: a stannavinylidene derivative. <i>Chemical Communications</i> , 2010, 46, 1929-1931. | 2.2 | 28 |
| 28 | Theoretical Investigations on Charge-Transfer Properties of Novel High Mobility n-Channel Organic Semiconductors â€ Diazapentacene Derivatives. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22749-22758. | 1.5 | 28 |
| 29 | 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. | 1.2 | 26 |
| 30 | High-level <i>ab initio</i> 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. | 1.2 | 26 |
| 31 | High-level <i>ab initio</i> 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. | 1.2 | 25 |
| 32 | Zwitterionic Baseâ€Stabilized Digermadistannacyclobutadiene and Tetragermacyclobutadiene. <i>Chemistry - A European Journal</i> , 2013, 19, 14726-14731. | 1.7 | 25 |
| 33 | The Î±-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. | 1.5 | 25 |
| 34 | Identifying Cytosine-Specific Isomers via High-Accuracy Single Photon Ionization. <i>Journal of the American Chemical Society</i> , 2016, 138, 16596-16599. | 6.6 | 25 |
| 35 | High-Level ab Initio Predictions for the Ionization Energies, Bond Dissociation Energies, and Heats of Formation of Titanium Oxides and Their Cations (TiO _n /TiO _n ⁺ , <i>n</i> = 1 and 2). <i>Journal of Physical Chemistry A</i> , 2017, 121, 669-679. | 1.1 | 25 |
| 36 | Theoretical and Experimental Photoelectron Spectroscopy Characterization of the Ground State of Thymine Cation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5951-5958. | 1.1 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Vacuum ultraviolet laser pulsed field ionization-photoelectron study of allyl radical CH ₂ CHCH ₂ . Journal of Chemical Physics, 2007, 126, 171101. | 1.2 | 23 |
| 38 | Investigation of the O+allyl addition/elimination reaction pathways from the OCH ₂ CHCH ₂ radical intermediate. Journal of Chemical Physics, 2008, 129, 084301. | 1.2 | 23 |
| 39 | Mechanism of Water Oxidation by Ferrate(VI) at pH=9. Chemistry - A European Journal, 2018, 24, 18735-18742. | 1.7 | 23 |
| 40 | Rovibrationally selected and resolved pulsed field ionization-photoelectron study of propyne: ionization energy and spin-orbit interaction in propyne cation. Journal of Chemical Physics, 2008, 128, 094311. | 1.2 | 22 |
| 41 | Conformation-Specific Pathways of Î ² -Alanine: A Vacuum Ultraviolet Photoionization and Theoretical Study. Journal of Physical Chemistry A, 2009, 113, 5838-5845. | 1.1 | 22 |
| 42 | Rovibronically selected and resolved two-color laser photoionization and photoelectron study of nickel carbide cation. Journal of Chemical Physics, 2010, 133, 054310. | 1.2 | 22 |
| 43 | Synthesis and Characterization of Magnesium and Aluminum Bis(phosphoranyl)methanediide Complexes. Organometallics, 2010, 29, 939-944. | 1.1 | 22 |
| 44 | 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 ₄ H ₄ X ₄ (X = S, O, NH). J. Phys. Chem. A, 2010, 114, 10710-10718. | 1.1 | 22 |
| 45 | Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. Angewandte Chemie - International Edition, 2014, 53, 8463-8466. | 7.2 | 22 |
| 46 | Photoinduced water oxidation catalyzed by a double-helical dicobalt(II) sexipyridine complex. Chemical Communications, 2014, 50, 14956-14959. | 2.2 | 21 |
| 47 | Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. Angewandte Chemie - International Edition, 2017, 56, 12260-12263. | 7.2 | 21 |
| 48 | Rovibrationally selected and resolved state-to-state photoionization of ethylene using the infrared-vacuum ultraviolet pulsed field ionization-photoelectron method. Journal of Chemical Physics, 2006, 125, 133304. | 1.2 | 20 |
| 49 | A time-dependent wave packet quantum scattering study of the reaction HD+(v=3;j=1)+He ⁺ HeH+(HeD ⁺)+D(H). Journal of Chemical Physics, 2007, 127, 164318. | 1.2 | 19 |
| 50 | Generation of (nonafluoro-tert-butoxy)methyl ponytails for enhanced fluorophilic partition of aromatics and heterocycles. Physical Chemistry Chemical Physics, 2012, 14, 3909. | 1.3 | 19 |
| 51 | Rovibronically selected and resolved two-color laser photoionization and photoelectron study of cobalt carbide cation. Journal of Chemical Physics, 2013, 138, 094301. | 1.2 | 19 |
| 52 | Photodissociation of 1-bromo-2-butene, 4-bromo-1-butene, and cyclopropylmethyl bromide at 234nm studied using velocity map imaging. Journal of Chemical Physics, 2006, 125, 144312. | 1.2 | 18 |
| 53 | Slow Photoelectron Spectroscopy of 3-Hydroxyisoquinoline. Journal of Physical Chemistry A, 2013, 117, 8095-8102. | 1.1 | 18 |
| 54 | Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC ⁺). Physical Chemistry Chemical Physics, 2015, 17, 9780-9793. | 1.3 | 18 |

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|----|---|-----|-----------|
| 55 | Catalytic oxidation of alkanes by a (salen)osmium(ν) nitrido complex using H_2O_2 as the terminal oxidant. <i>Chemical Communications</i> , 2015, 51, 13686-13689. | 2.2 | 18 |
| 56 | Dissociation of $[\text{HCCH}]_2$ to H_2 and C_2 : a benchmark reaction involving H migration, H-H combination, and C-H bond cleavage. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27725-27729. | 1.3 | 18 |
| 57 | Olefin Polymerization Behavior of Titanium(IV) Pyridine-2-phenolate-6-(f -aryl) Catalysts: Impact of α -Adjacent and Phenolate Substituents. <i>Organometallics</i> , 2013, 32, 449-459. | 1.1 | 17 |
| 58 | A Photo-triggered Traceless Staudinger-Bertozzi Ligation Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 11537-11542. | 1.7 | 17 |
| 59 | Rovibronically selected and resolved two-color laser photoionization and photoelectron study of titanium monoxide cation. <i>Journal of Chemical Physics</i> , 2013, 138, 174309. | 1.2 | 16 |
| 60 | Concerted or Stepwise Mechanism? New Insight into the Water-Mediated Neutral Hydrolysis of Carbonyl Sulfide. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3503-3513. | 1.1 | 16 |
| 61 | High-Level ab Initio Predictions for the Ionization Energy, Electron Affinity, and Heats of Formation of Cyclopentadienyl Radical, Cation, and Anion, $\text{C}_5\text{H}_5/\text{C}_5\text{H}_5^+/\text{C}_5\text{H}_5^-$. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2498-2507. | 1.1 | 16 |
| 62 | Rotationally Resolved State-to-State Photoelectron Study of Molybdenum Monoxide Cation (MoO^+). <i>Journal of Physical Chemistry A</i> , 2016, 120, 4643-4654. | 1.1 | 15 |
| 63 | Study of the Dissociation of $\text{CH}_3\text{SCH}_3^+$ by Collisional Activation: Evidence of Nonstatistical Behavior. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9729-9736. | 1.1 | 14 |
| 64 | Oxygen evolution from $\text{BF}_3/\text{MnO}_4^-$. <i>Chemical Communications</i> , 2011, 47, 4159. | 2.2 | 14 |
| 65 | Development of sustainable fluororous chemistry: the synthesis and characterization of fluororous ethers with nonafluoro-tert-butoxy groups. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1180-1187. | 2.3 | 14 |
| 66 | Unveiling the complex vibronic structure of the canonical adenine cation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20756-20765. | 1.3 | 14 |
| 67 | Dissociation dynamics of the methylsulfonyl radical and its photolytic precursor $\text{CH}_3\text{SO}_2\text{Cl}$. <i>Journal of Chemical Physics</i> , 2009, 131, 044305. | 1.2 | 13 |
| 68 | 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. | 1.2 | 13 |
| 69 | Vibrationally Resolved Photoelectron Spectroscopy of Electronic Excited States of DNA Bases: Application to the π State of Thymine Cation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1146-1153. | 1.1 | 13 |
| 70 | Probing the reactivity of microhydrated H_2O^- nucleophile in the anionic gas-phase S_2N_2 reaction. <i>Journal of Computational Chemistry</i> , 2015, 36, 844-852. | 1.5 | 13 |
| 71 | Low-temperature Photoelectron Spectroscopy of Aliphatic Dicarboxylate Monoanions, $\text{HO}_2\text{C}(\text{CH}_2)_n\text{CO}_2^-$ ($n = 1 \sim 10$): A Hydrogen Bond Induced Cyclization and Strain Energies. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7801-7805. | 1.1 | 12 |
| 72 | Theoretical prediction of the ionization energies of the C_4H_7 radicals: 1-Methylallyl, 2-methylallyl, cyclopropylmethyl, and cyclobutyl radicals. <i>Journal of Chemical Physics</i> , 2007, 127, 154302. | 1.2 | 12 |

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|----|---|-----|-----------|
| 73 | Hydrogen atom transfer reactions of ferrate(FeO_4^{2-}) with phenols and hydroquinone. Correlation of rate constants with bond strengths and application of the Marcus cross relation. Dalton Transactions, 2016, 45, 70-73. | 1.6 | 12 |
| 74 | 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. Physical Chemistry Chemical Physics, 2017, 19, 9778-9789. | 1.3 | 12 |
| 75 | Visible light-induced oxidative N -dealkylation of alkylamines by a luminescent osmium(Os^{II}) nitrido complex. Chemical Science, 2021, 12, 14494-14498. | 3.7 | 12 |
| 76 | The C_3H_7^+ Appearance Energy from 2-Iodopropane and 2-Chloropropane Studied by Threshold Photoelectron Photoion Coincidence. European Journal of Mass Spectrometry, 2004, 10, 819-827. | 0.5 | 11 |
| 77 | Appending zinc tetraphenylporphyrin with an amine receptor at sp^2 -pyrrolic carbon for designing a selective histamine chemosensor. Supramolecular Chemistry, 2010, 22, 122-129. | 1.5 | 11 |
| 78 | Negative electrospray ionization on porous supporting tips for mass spectrometric analysis: electrostatic charging effect on detection sensitivity and its application to explosive detection. Analyst, The, 2014, 139, 1482. | 1.7 | 11 |
| 79 | Theoretical studies of 2-quinolinol: Geometries, vibrational frequencies, isomerization, tautomerism, and excited states. Chemical Physics Letters, 2014, 613, 29-33. | 1.2 | 11 |
| 80 | Structure and Reactivity of a Manganese(VI) Nitrido Complex Bearing a Tetraamido Macrocyclic Ligand. Journal of the American Chemical Society, 2021, 143, 15863-15872. | 6.6 | 11 |
| 81 | Structure and Reactivity of One- and Two-Electron Oxidized Manganese(V) Nitrido Complexes Bearing a Bulky Corrole Ligand. Journal of the American Chemical Society, 2022, 144, 7588-7593. | 6.6 | 11 |
| 82 | 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. Journal of Chemical Physics, 2007, 127, 044313. | 1.2 | 10 |
| 83 | Photofragment imaging study of the $\text{CH}_2\text{CCH}_2\text{OH}$ radical intermediate of the $\text{OH} + \text{allene}$ reaction. Journal of Chemical Physics, 2007, 127, 154316. | 1.2 | 9 |
| 84 | Note: Accurate ab initio predictions of ionization energies of propargyl and allyl radicals: Revisited. Journal of Chemical Physics, 2011, 135, 246101. | 1.2 | 8 |
| 85 | Acid-induced formation of hydrogen-bonded double helix based on chiral polyphenyl-bridged bis(2,2'-bipyridine) ligands. RSC Advances, 2014, 4, 14513-14526. | 1.7 | 8 |
| 86 | A hydrogen-atom transfer mechanism in the oxidation of alcohols by $[\text{FeO}_4]^{2+}$ in aqueous solution. Dalton Transactions, 2018, 47, 240-245. | 1.6 | 8 |
| 87 | Photodissociation of Cyclobutyl Bromide at 234 nm Studied Using Velocity Map Imaging. Journal of Physical Chemistry A, 2006, 110, 5379-5385. | 1.1 | 7 |
| 88 | Discovery of Singlet Diradicals: Theoretical Study on the Cage Species $\text{C}_{14}\text{N}_{12}\text{H}_6$ and Its Six Derivatives. Journal of Physical Chemistry A, 2007, 111, 9838-9847. | 1.1 | 7 |
| 89 | A Mn^{II} -M4L6 tetrahedral manganese cage: Stereoselective synthesis and captured anion exchange. Inorganic Chemistry Communication, 2012, 24, 70-72. | 1.8 | 7 |
| 90 | Ca^{2+} -Induced Oxygen Generation by FeO_4^{2-} at $\text{pH} \approx 9$ –10. Angewandte Chemie, 2016, 128, 3064-3068. | 1.6 | 7 |

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|-----|--|-----|-----------|
| 91 | Oxidation of hydroquinones by a (salen)ruthenium(ν) nitrido complex. Chemical Communications, 2016, 52, 11430-11433. | 2.2 | 7 |
| 92 | Isomerization Dynamics in the Symmetric and Asymmetric Fragmentation of Ethane Dications. Journal of Physical Chemistry Letters, 2021, 12, 5789-5795. | 2.1 | 7 |
| 93 | Influence of iron oxide coating on the tribological behavior of sand grain contacts. Acta Geotechnica, 2022, 17, 2907-2929. | 2.9 | 7 |
| 94 | Photodissociation Pathways of 1,1-Dichloroacetone. Journal of Physical Chemistry A, 2007, 111, 5968-5980. | 1.1 | 6 |
| 95 | High-level <i>ab initio</i> predictions for the ionisation energy, bond dissociation energies and heats of formation of zirconium oxide and its cation (ZrO/ZrO^+). Molecular Physics, 2018, 116, 2709-2718. | 0.8 | 6 |
| 96 | Two-Color Pulsed-Field Ionization-Photoelectron Spectroscopy: A Quest to Benchmark State-of-the-Art <i>ab initio</i> Quantum Electronic Structure Calculations of Spectroscopic and Energetic Properties for Transition Metal-Containing Species. , 2018, , 195-249. | | 6 |
| 97 | High-Level <i>Ab Initio</i> Predictions for the Ionization Energy, Bond Dissociation Energies, and Heats of Formation of Vanadium Methylidyne Radical and Its Cation (VCH/VCH^+). Journal of Physical Chemistry A, 2019, 123, 7454-7462. | 1.1 | 6 |
| 98 | Cooperative activating effects of metal ion and Brønsted acid on a metal oxo species. Chemical Science, 2021, 12, 632-638. | 3.7 | 6 |
| 99 | The adiabatic electron affinities (EAs) for the heteroatomic molecule SO_4 : An MP2/CBS study. Chemical Physics Letters, 2009, 467, 402-406. | 1.2 | 5 |
| 100 | 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. Journal of Physical Chemistry A, 2009, 113, 3413-3419. | 1.1 | 5 |
| 101 | Multifaceted chelating μ_4 -(μ_3 -antifacial)-(cis- $C_4R_2H_2$) coordination motif in binuclear complexes. Chemical Communications, 2016, 52, 11056-11059. | 2.2 | 5 |
| 102 | Olefin Polymerization Reactivity of Group 4 Post-Metallocene Catalysts Bearing a Four-Membered $C(sp^3)$ -Donor Chelate Ring. ChemCatChem, 2019, 11, 628-635. | 1.8 | 5 |
| 103 | Anion velocity imaging study of the dissociative electron attachment to $CFCl_3$. Physical Review A, 2013, 87, . | 1.0 | 4 |
| 104 | Kinetics and Mechanism of the Reaction of a Ruthenium(VI) Nitrido Complex with HSO_3^- and SO_3^{2-} in Aqueous Solution. Chemistry - A European Journal, 2016, 22, 10754-10758. | 1.7 | 4 |
| 105 | Facile C-N bond cleavage of primary aliphatic amines by (salen)ruthenium(ν) nitrido complexes. Dalton Transactions, 2022, 51, 5404-5408. | 1.6 | 4 |
| 106 | Doping Effects on Structural and Electronic Properties of Ladderanes and Ladder Polysilanes: A Density Functional Theory Investigation. Journal of Physical Chemistry A, 2011, 115, 7656-7663. | 1.1 | 3 |
| 107 | Proton-Coupled O-Atom Transfer in the Oxidation of HSO_3^- by the Ruthenium Oxo Complex $[Ru^{VI}(TMC)(O)_2]^{2+}$ (TMC = Tj ETQq1 1 0.784314 rgBT / Overlock | 1.9 | 3 |
| 108 | Thermochemical Trends in Carbon Chain Molecules HC_2kH/HC_2k-1H ($k = 1-6$) Studied by Explicitly Correlated CCSD(T)-F12b Composite Methods. Journal of Physical Chemistry A, 2021, 125, 5385-5396. | 1.1 | 3 |

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|-----|---|-----|-----------|
| 109 | Waste-to-Energy: Production of Fuel Gases from Plastic Wastes. <i>Polymers</i> , 2021, 13, 3672. | 2.0 | 3 |
| 110 | Oxidative C-O bond cleavage of dihydroxybenzenes and conversion of coordinated cyanide to carbonyl by a luminescent Os(VI) cyanonitrido complex. <i>Chemical Communications</i> , 0, , . | 2.2 | 3 |
| 111 | G2(+) _M Study on <i>N</i> -Alkylamino Cation Affinities of Neutral Main-Group Element Hydrides: Trends Across the Periodic Table. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3351-3359. | 1.1 | 1 |
| 112 | Frontispiece: Ca ²⁺ -Induced Oxygen Generation by FeO ₄ ²⁻ at pH \leq 10. <i>Angewandte Chemie - International Edition</i> , 2016, 55, . | 7.2 | 1 |
| 113 | Hydrogen atom transfer in the oxidation of alkylbenzenesulfonates by ferrate(vi) in aqueous solutions. <i>Dalton Transactions</i> , 2021, 50, 715-721. | 1.6 | 1 |
| 114 | High-Level ab Initio Predictions for the Ionization Energies, Bond Dissociation Energies, and Heats of Formation of Vanadium Methylidene, Vanadium Methyl Species, and Their Cations (VCH ₂ /VCH ₂ +) Tj ETQq0 0 0 rgB1/Overlock 10 Tf 50 | 1.1 | 0 |
| 115 | Frontispiz: Ca ²⁺ -Induced Oxygen Generation by FeO ₄ ²⁻ at pH \leq 10. <i>Angewandte Chemie</i> , 2016, 128, . | 1.6 | 0 |
| 116 | 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. | 1.6 | 0 |
| 117 | Tribute to Cheuk-Yiu Ng. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7353-7355. | 1.1 | 0 |