

Michael W George

List of Publications by Year in descending order

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209
papers

8,135
citations

47409

49
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76
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all docs

211
docs citations

211
times ranked

8055
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysics of Diimine Platinum(II) Bis-Acetylide Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 4053-4062.	1.9	330
2	Electrocatalytic Reduction of CO ₂ Using the Complexes [Re(bpy)(CO) ₃ L] _n (n = +1, L = P(OEt) ₃ , CH ₃ CN; n = 0,) Tj ETQq0 0 0 rgBT /Overl Spectroelectrochemical Investigation. <i>Organometallics</i> , 1996, 15, 3374-3387.	1.1	291
3	Ultra: A Unique Instrument for Time-Resolved Spectroscopy. <i>Applied Spectroscopy</i> , 2010, 64, 1311-1319.	1.2	173
4	Reversible adsorption of nitrogen dioxide within a robust porous metal-organic framework. <i>Nature Materials</i> , 2018, 17, 691-696.	13.3	162
5	Development of a Broadband Picosecond Infrared Spectrometer and its Incorporation into an Existing Ultrafast Time-Resolved Resonance Raman, UV/Visible, and Fluorescence Spectroscopic Apparatus. <i>Applied Spectroscopy</i> , 2003, 57, 367-380.	1.2	147
6	Applying green chemistry to the photochemical route to artemisinin. <i>Nature Chemistry</i> , 2015, 7, 489-495.	6.6	140
7	EDF2: A Density Functional for Predicting Molecular Vibrational Frequencies. <i>Australian Journal of Chemistry</i> , 2004, 57, 365.	0.5	139
8	Photoreactivity examined through incorporation in metal-organic frameworks. <i>Nature Chemistry</i> , 2010, 2, 688-694.	6.6	137
9	Structural Investigation of the Ground and Excited States of ClRe(CO) ₃ (4,4'-bipyridyl) ₂ using Vibrational Spectroscopy. <i>Inorganic Chemistry</i> , 1994, 33, 3246-3250.	1.9	133
10	Nanosecond Time-Resolved Infrared Spectroscopy with a Dispersive Scanning Spectrometer. <i>Applied Spectroscopy</i> , 1994, 48, 684-690.	1.2	129
11	Remarkable Stability of (̇-5-C ₅ H ₅)Re(CO) ₂ L (L = n-Heptane, Xe, and Kr): A Time-Resolved Infrared Spectroscopic Study of (̇-5-C ₅ H ₅)Re(CO) ₃ in Conventional and Supercritical Fluid Solution. <i>Journal of the American Chemical Society</i> , 1997, 119, 7521-7525.	6.6	123
12	A Combined Theoretical and Experimental Study on the Role of Spin States in the Chemistry of Fe(CO) ₅ Photoproducts. <i>Journal of the American Chemical Society</i> , 2009, 131, 3583-3592.	6.6	117
13	Selective CO ₂ uptake and inverse CO ₂ /C ₂ H ₂ selectivity in a dynamic bifunctional metal-organic framework. <i>Chemical Science</i> , 2012, 3, 2993.	3.7	117
14	How Does the Critical Point Change during a Chemical Reaction in Supercritical Fluids? A Study of the Hydroformylation of Propene in Supercritical CO ₂ . <i>Journal of the American Chemical Society</i> , 2001, 123, 3661-3670.	6.6	107
15	Nanosecond time-resolved infrared spectroscopy: a comparative view of spectrometers and their applications in organometallic chemistry. <i>Analyst</i> , The, 1994, 119, 551.	1.7	104
16	Application of transient infrared and near infrared spectroscopy to transition metal complex excited states and intermediates. <i>Coordination Chemistry Reviews</i> , 2007, 251, 492-514.	9.5	102
17	Remote-controlled experiments with cloud chemistry. <i>Nature Chemistry</i> , 2015, 7, 1-5.	6.6	96
18	The photophysics of fac-[Re(CO) ₃ (dppz)(py)] ⁺ in CH ₃ CN: a comparative picosecond flash photolysis, transient infrared, transient resonance Raman and density functional theoretical study Dedicated to the memory of Nobel Laureate, Lord George Porter FRSC FRS OM.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 542.	1.6	95

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19	Photooxidation of Guanine by a Ruthenium Dipyridophenazine Complex Intercalated in a Double-stranded Polynucleotide Monitored Directly by Picosecond Visible and Infrared Transient Absorption Spectroscopy. <i>Chemistry - A European Journal</i> , 2008, 14, 369-375.	1.7	95
20	Photochemistry and Photophysics of a Pd(II) Metalloporphyrin: Re(I) Tricarbonyl Bipyridine Molecular Dyad and its Activity Toward the Photoreduction of CO ₂ to CO. <i>Inorganic Chemistry</i> , 2011, 50, 11877-11889.	1.9	91
21	Can Organometallic Noble Gas Compounds Be Observed in Solution at Room Temperature? A Time-Resolved Infrared (TRIR) and UV Spectroscopic Study of the Photochemistry of M(CO) ₆ (M = Cr, Tj ETQq1 1 0,784314 rgBT /Overd	6.6	87
22	Cleaner Continuous Photo-oxidation Using Singlet Oxygen in Supercritical Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5322-5325.	7.2	86
23	Excited-state properties and reactivity of [ReCl(CO) ₃ (2,2'-bipy)](2,2'-bipy = 2,2'-bipyridyl) studied by time-resolved infrared spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2977-2979.	1.1	84
24	Manganese Alkane Complexes: An IR and NMR Spectroscopic Investigation. <i>Journal of the American Chemical Society</i> , 2011, 133, 2303-2310.	6.6	84
25	Comparison of rhenium porphyrin dyads for CO ₂ photoreduction: photocatalytic studies and charge separation dynamics studied by time-resolved IR spectroscopy. <i>Chemical Science</i> , 2015, 6, 6847-6864.	3.7	81
26	Using picosecond and nanosecond time-resolved infrared spectroscopy for the investigation of excited states and reaction intermediates of inorganic systemsBased on the presentation given at Dalton Discussion No. 6, 9 th September 2003, University of York, UK.. <i>Dalton Transactions</i> , 2003, , 3996.	1.6	73
27	2,5-Bis(2-arylethynyl)rhodacyclopentadienes Show Intense Fluorescence: Denying the Presence of a Heavy Atom. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2349-2353.	7.2	72
28	Rational Design of Triplet Sensitizers for the Transfer of Excited State Photochemistry from UV to Visible. <i>Journal of the American Chemical Society</i> , 2020, 142, 14947-14956.	6.6	72
29	Electrodeposition of metals from supercritical fluids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14768-14772.	3.3	70
30	A delicate balance of complexation vs. activation of alkanes interacting with [Re(Cp)(CO)(PF ₃)] studied with NMR and time-resolved IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6927-6932.	3.3	67
31	Infrared spectroscopic study of the photochemical substitution and oxidative addition reactions of (.eta.5-C ₅ R ₅)M(CO) ₄ compounds of group 5 metals: characterization of the products of reaction with nitrogen, hydrogen and HSiEt ₃ -xCl _x and the kinetic investigation of (.eta.5-C ₅ R ₅)M(CO) ₃ intermediates. <i>Journal of the American Chemical Society</i> , 1993, 115, 2286-2299.	6.6	65
32	Unraveling the Photochemistry of Fe(CO) ₅ in Solution: Observation of Fe(CO) ₃ and the Conversion between 3Fe(CO) ₄ and 1Fe(CO) ₄ (Solvent). <i>Journal of the American Chemical Society</i> , 2004, 126, 10713-10720.	6.6	65
33	Immobilised photosensitisers for continuous flow reactions of singlet oxygen in supercritical carbon dioxide. <i>Chemical Science</i> , 2011, 2, 1059.	3.7	65
34	Monitoring the direct and indirect damage of DNA bases and polynucleotides by using time-resolved infrared spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2150-2153.	3.3	64
35	Assessment of time-dependent density functional theory with the restricted excitation space approximation for excited state calculations of large systems. <i>Molecular Physics</i> , 2018, 116, 1452-1459.	0.8	64
36	ps-TRIR covers all the bases recent advances in the use of transient IR for the detection of short-lived species in nucleic acids. <i>Analyst</i> , The, 2009, 134, 1265.	1.7	62

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37	Real-Time Feedback Control Using Online Attenuated Total Reflection Fourier Transform Infrared (ATR) Tj ETQq1 1 0.784314 rgBT /Overl 2013, 67, 1127-1131.	1.2	62
38	Intraligand Charge-Transfer Excited States in Re(I) Complexes with Donor-Substituted Dipyridophenazine Ligands. Inorganic Chemistry, 2014, 53, 1339-1354.	1.9	61
39	Continuous Photo-Oxidation in a Vortex Reactor: Efficient Operations Using Air Drawn from the Laboratory. Organic Process Research and Development, 2017, 21, 1042-1050.	1.3	60
40	Transient spectroscopy of dipyridophenazine metal complexes which undergo photo-induced electron transfer with DNA. Coordination Chemistry Reviews, 2011, 255, 2666-2675.	9.5	59
41	Time-Resolved Absorption, Infrared, and Resonance Raman Spectra of the Complexes [Ru(X)(R)(CO) ₂ (.alpha.-Diimine)] (X = Halide; R = Alkyl): Influence of X on the Charge Transfer Character of the Lowest Excited State. Journal of the American Chemical Society, 1995, 117, 5579-5585.	6.6	58
42	Photochemical substitution reactions of dinuclear iron complex [CpFe(CO) ₂] ₂ (Cp = .eta. ⁵ -C ₅ H ₅) in hydrocarbon and tetrahydrofuran solution at room temperature: a mechanistic study with time-resolved infrared spectroscopy. Journal of the American Chemical Society, 1992, 114, 1719-1729.	6.6	57
43	Time-resolved infrared (TRIR) study on the formation and reactivity of organometallic methane and ethane complexes in room temperature solution. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6933-6938.	3.3	57
44	Probing the Solvent Dependent Photophysics of Inorganic Chemistry, 2008, 47, 9857-9869.	1.9	57
45	Early photochemical dynamics of organometallic compounds studied by ultrafast time-resolved spectroscopic techniquesBased on the presentation given at Dalton Discussion No. 4, 10 th January 2000 A Combined Spectroscopic, Photophysical and Theoretical (DFT) Study of the Electronically Excited Inorganometallic Complexes [Ru(E)(Ea ²⁺)(CO) ₂ Prä€“DAB)] (Ei ^{3/4} Cl, Me, SnPh ₃), Tj ETQq0 0 0 rgBT	2.3	56
46	³ İfİ [*] Excited State for [Ru(SnPh ₃) ₂ (CO) ₂ Prä€“DAB)]. Chemistry - A European Investigation into the reactivity of M(İ-5-C ₅ R ₅)(CO) ₂ (alkane) (Mä€“=ä€“Mn or Re; Ră€“=ä€“H, Me or Ph); Tj ETQq1 1 0.784314 rgBT	1.7	53
47	temperature. Dalton Transactions RSC, 2000, , 1901-1906.	2.3	52
48	Red-Absorbing Cationic Acceptor Dyes for Photocathodes in Tandem Solar Cells. Journal of Physical Chemistry C, 2014, 118, 16536-16546.	1.5	51
49	Complete Family of Mono-, Bi-, and Trinuclear Re ^I (CO) ₃ Cl Complexes of the Bridging Polypyridyl Ligand 2,3,8,9,14,15-Hexamethyl-5,6,11,12,17,18-hexaazatrinaphthalene: Syn/Anti Isomer Separation, Characterization, and Photophysics. Inorganic Chemistry, 2011, 50, 6093-6106.	1.9	50
50	UV Photochemistry of [CpFe(CO) ₂] ₂ (Cp = İ-5-C ₅ H ₅) Studied by Picosecond Time-Resolved Infrared Spectroscopy. The Journal of Physical Chemistry, 1996, 100, 201-206.	2.9	49
51	Dramatic Alteration of ³ ILCT Lifetimes Using Ancillary Ligands in [Re(L)(CO) ₃ (phen-TPA)] ⁿ⁺ Complexes: An Integrated Spectroscopic and Theoretical Study. Journal of the American Chemical Society, 2018, 140, 4534-4542.	6.6	49
52	Infrared Characterization of the Guanine Radical Cation: Finger Printing DNA Damage. Journal of Physical Chemistry B, 2010, 114, 3660-3667.	1.2	48
53	Direct Ză€Scheme Heterojunction of SnS ₂ /Sulfură€Bridged Covalent Triazine Frameworks for Visibleă€Lightă€Driven CO ₂ Photoreduction. ChemSusChem, 2020, 13, 6278-6283.	3.6	48
54	Two chemically distinct root lignin barriers control solute and water balance. Nature Communications, 2021, 12, 2320.	5.8	48

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55	Time-resolved infrared spectrum of the MLCT excited state of pentacarbonyl(4-cyanopyridine)tungsten: photophysics and photochemistry. <i>Inorganic Chemistry</i> , 1991, 30, 3543-3546.	1.9	47
56	Calculating excited state properties using Kohn-Sham density functional theory. <i>Journal of Chemical Physics</i> , 2013, 138, 064101.	1.2	47
57	Maximising the efficiency of continuous photo-oxidation with singlet oxygen in supercritical CO ₂ by use of fluororous biphasic catalysis. <i>Chemical Communications</i> , 2012, 48, 3073.	2.2	46
58	Homogeneous photochemical oxidation via singlet O ₂ in supercritical CO ₂ . <i>Chemical Communications</i> , 2008, , 4457.	2.2	45
59	A Simple and Versatile Reactor for Photochemistry. <i>Organic Process Research and Development</i> , 2016, 20, 1792-1798.	1.3	45
60	Fast time-resolved IR studies of the excited states of co-ordination compound: direct observation of intramolecular charge transfer. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1655.	2.0	44
61	Photoinduced N ₂ loss as a route to long-lived organometallic alkane complexes: A time-resolved IR and NMR study. <i>Chemical Science</i> , 2010, 1, 622.	3.7	44
62	Understanding the factors affecting the activation of alkane by Cp ^{η²} Rh(CO) ₂ (Cp ^{η²} \hat{A} = \hat{A} Cp or Cp [*]). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20178-20183.	3.3	43
63	Photoaquation Mechanism of Hexacyanoferrate(II) Ions: Ultrafast 2D UV and Transient Visible and IR Spectroscopies. <i>Journal of the American Chemical Society</i> , 2017, 139, 7335-7347.	6.6	43
64	Scalable Continuous Vortex Reactor for Gram to Kilo Scale for UV and Visible Photochemistry. <i>Organic Process Research and Development</i> , 2020, 24, 201-206.	1.3	43
65	Investigating the Calculation of Anharmonic Vibrational Frequencies Using Force Fields Derived from Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2012, 116, 4417-4425.	1.1	42
66	Automated Serendipity with Self-Optimizing Continuous-Flow Reactors. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6141-6145.	1.2	42
67	Densities of the carbon dioxide+hydrogen, a system of relevance to carbon capture and storage. <i>International Journal of Greenhouse Gas Control</i> , 2013, 13, 78-86.	2.3	40
68	Photoinduced Energy Transfer in a Conformationally Flexible Re(I)/Ru(II) Dyad Probed by Time-Resolved Infrared Spectroscopy: Effects of Conformation and Spatial Localization of Excited States. <i>Inorganic Chemistry</i> , 2008, 47, 5071-5078.	1.9	39
69	Chemistry of Reactive Organometallic Compounds at Low Temperatures and High Pressures: \hat{A} Reactions of M(CO) ₆ (M = Cr, Mo, W), (1-6-C ₆ H ₃ Me ₃)M(CO) ₃ (M = Cr and Mo), and W(CO) ₅ CS with H ₂ and N ₂ in Polyethylene Matrices. <i>Organometallics</i> , 1998, 17, 2730-2737.	1.1	38
70	An Investigation into the Reactivity of Organometallic Noble Gas Complexes: \hat{A} A Time-Resolved Infrared Study in Supercritical Noble Gas and Alkane Solution at Room Temperature. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4300-4307.	1.1	38
71	Organometallic alkane and noble-gas complexes in conventional and supercritical fluids. <i>Pure and Applied Chemistry</i> , 2001, 73, 443-447.	0.9	38
72	Rhodium-Catalyzed Hydroformylation of Alkenes Using in Situ High-Pressure IR and Polymer Matrix Techniques. <i>Organometallics</i> , 2003, 22, 1612-1618.	1.1	38

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73	Unusually Slow Photodissociation of CO from $(\text{I}^{\text{sup}6\text{/sub}}\text{-C}^{\text{sub}6\text{/sub}}\text{H}^{\text{sub}6\text{/sub}})\text{Cr}(\text{CO})^{\text{sub}3\text{/sub}}$ (M = Cr or Mo): A Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2009, 28, 1461-1468.	1.1	38
74	A New Approach To Studying the Mechanism of Catalytic Reactions: An Investigation into the Photocatalytic Hydrogenation of Norbornadiene and Dimethylfumarate Using Polyethylene Matrices at Low Temperature and High Pressure. <i>Journal of the American Chemical Society</i> , 2001, 123, 6857-6866.	6.6	37
75	Characterization of an organometallic xenon complex using NMR and IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1853-1858.	3.3	37
76	Synthesis of antimalarial trioxanes via continuous photo-oxidation with $1^{\text{sup}}\text{O}^{\text{sub}2\text{/sub}}$ in supercritical $\text{CO}^{\text{sub}2\text{/sub}}$. <i>Green Chemistry</i> , 2013, 15, 177-180.	4.6	36
77	Ultrafast reductive elimination of hydrogen from a metal carbonyl dihydride complex; a study by time-resolved IR and visible spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 2857-2860.	1.1	35
78	Photophysics and electrochemistry of a platinum-acetylide disubstituted perylene diimide. <i>Dalton Transactions</i> , 2014, 43, 85-94.	1.6	35
79	Strategies for cleaner oxidations using photochemically generated singlet oxygen in supercritical carbon dioxide. <i>Green Chemistry</i> , 2009, 11, 1787.	4.6	34
80	Photocatalytic hydroxylation of arylboronic acids using continuous flow reactors. <i>RSC Advances</i> , 2015, 5, 6501-6504.	1.7	34
81	Continuous niobium phosphate catalysed Skraup reaction for quinoline synthesis from solketal. <i>Green Chemistry</i> , 2017, 19, 2439-2447.	4.6	34
82	Electrodeposition of germanium from supercritical fluids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1517-1528.	1.3	33
83	Excited state dependent electron transfer of a rhenium-dipyridophenazine complex intercalated between the base pairs of DNA: a time-resolved UV-visible and IR absorption investigation into the photophysics of $\text{fac-}[\text{Re}(\text{CO})_3(\text{F2dppz})(\text{py})]^+$ bound to either $[\text{poly}(\text{dA-dT})_2$ or $[\text{poly}(\text{dG-dC})_2]$. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1355.	1.6	32
84	Carbon- δ -Hydrogen Activation of Cycloalkanes by Cyclopentadienylcarbonylrhodium- δ A Lifetime Enigma. <i>Journal of the American Chemical Society</i> , 2014, 136, 8614-8625.	6.6	32
85	Photochemistry of $\text{Cr}(\text{CO})_4(\text{bpy})$ (bpy = 2,2'-Bipyridine) Studied by Time-Resolved Infrared Spectroscopy. <i>Organometallics</i> , 1996, 15, 4089-4092.	1.1	31
86	Probing the Excited States of d6 Metal Complexes Containing the 2,2'-Bipyrimidine Ligand Using Time-Resolved Infrared Spectroscopy. 1. Mononuclear and Homodinuclear Systems. <i>Inorganic Chemistry</i> , 2007, 46, 3696-3704.	1.9	31
87	Solvent dependent photophysics of $\text{fac-}[\text{Re}(\text{CO})_3(11,12\text{-X2dppz})(\text{py})]^+$ (X = H, F or Me). <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 741.	1.6	31
88	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 752-764.	1.3	30
89	Probing the Mechanism of Carbon- δ -Hydrogen Bond Activation by Photochemically Generated Hydridotris(pyrazolyl)borato Carbonyl Rhodium Complexes: New Experimental and Theoretical Investigations. <i>Organometallics</i> , 2008, 27, 189-201.	1.1	29
90	Kohn-Sham density functional theory calculations of non-resonant and resonant x-ray emission spectroscopy. <i>Journal of Chemical Physics</i> , 2017, 146, .	1.2	29

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91	UN sustainable development goals: How can sustainable/green chemistry contribute? By doing things differently. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 13, 146-149.	3.2	29
92	Modification of coordination networks through a photoinduced charge transfer process. <i>Chemical Science</i> , 2014, 5, 539-544.	3.7	28
93	Detection of σ -alkane complexes of manganese by NMR and IR spectroscopy in solution: $(\eta^5\text{-C}_5\text{H}_5)\text{Mn}(\text{CO})_2$ (ethane) and $(\eta^5\text{-C}_5\text{H}_5)\text{Mn}(\text{CO})_2$ (isopentane). <i>Chemical Science</i> , 2015, 6, 418-424.	3.7	28
94	Measurement of the vapour-liquid equilibrium of binary and ternary mixtures of CO ₂ , N ₂ and H ₂ , systems which are of relevance to CCS technology. <i>International Journal of Greenhouse Gas Control</i> , 2015, 41, 68-81.	2.3	28
95	Excited States of Triphenylamine-Substituted 2-Pyridyl-1,2,3-triazole Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 12238-12253.	1.9	28
96	A systematic approach to the generation of long-lived metal alkane complexes: combined IR and NMR study of $(\text{Tp})\text{Re}(\text{CO})_2(\text{cyclopentane})$. <i>Chemical Communications</i> , 2009, , 1401.	2.2	27
97	Photochemistry in a 3D Metal-Organic Framework (MOF): Monitoring Intermediates and Reactivity of the <i>fac</i> -to- <i>mer</i> Photoisomerization of $\text{Re}(\text{diimine})(\text{CO})_3\text{Cl}$ Incorporated in a MOF. <i>Inorganic Chemistry</i> , 2014, 53, 2606-2612.	1.9	27
98	Probing the Carbon-Hydrogen Activation of Alkanes Following Photolysis of $\text{Tp}^2\text{Rh}(\text{CNR})(\text{carbodiimide})$: A Computational and Time-Resolved Infrared Spectroscopic Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 1842-1854.	6.6	27
99	Nanosecond Time-Resolved Step-Scan FT-IR Spectroscopy in Conventional and Supercritical Fluids Using a Four-Window Infrared Cell. <i>Applied Spectroscopy</i> , 2002, 56, 31-39.	1.2	26
100	Probing intraligand and charge transfer excited states of <i>fac</i> - $[\text{Re}(\text{R})(\text{CO})_3(\text{CO}_2\text{Et-dppz})]^+$ (R = py,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> infrared spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1158.	1.6	26
101	Could the energy cost of using supercritical fluids be mitigated by using CO ₂ from carbon capture and storage (CCS)? <i>Green Chemistry</i> , 2011, 13, 2727.	4.6	26
102	Photochemical Dihydrogen Production Using an Analogue of the Active Site of [NiFe] Hydrogenase. <i>Inorganic Chemistry</i> , 2014, 53, 4430-4439.	1.9	26
103	$\text{Re}(\text{I})$ Complexes of Substituted dppz: A Computational and Spectroscopic Study. <i>Inorganic Chemistry</i> , 2014, 53, 3126-3140.	1.9	26
104	Photoinduced Se^{\sim}C Insertion Following Photolysis of $(\eta^5\text{-C}_5\text{H}_4\text{H}_4\text{Se})\text{Cr}(\text{CO})_3$. A Picosecond and Nanosecond Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2008, 27, 3671-3680.	1.1	25
105	The electrodeposition of copper from supercritical CO ₂ /acetonitrile mixtures and from supercritical trifluoromethane. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11744.	1.3	25
106	Phase behaviour and conductivity study on multi-component mixtures for electrodeposition in supercritical fluids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 492-501.	1.3	25
107	Monitoring the Formation and Reactivity of Organometallic Alkane and Fluoroalkane Complexes with Silanes and Xe Using Time-Resolved X-ray Absorption Fine Structure Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 11471-11480.	6.6	25
108	Highly Ordered BN π - π Stacking Structure for Improved Thermally Conductive Polymer Composites. <i>Advanced Electronic Materials</i> , 2020, 6, 2000627.	2.6	25

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109	Can aliphatic anchoring groups be utilised with dyes for p-type dye sensitized solar cells?. Dalton Transactions, 2016, 45, 7708-7719.	1.6	24
110	Structure and Dynamics of Iron Pentacarbonyl. Organometallics, 2019, 38, 4288-4297.	1.1	24
111	Energetics of the Reactions of (1,6-C ₆ H ₆)Cr(CO) ₃ with n-Heptane, N ₂ , and H ₂ Studied by High-Pressure Photoacoustic Calorimetry. The Journal of Physical Chemistry, 1996, 100, 19425-19429.	2.9	23
112	Derivatives of the [Ru(bipy)(CN) ₄] ²⁻ chromophore with pendant pyridyl-based binding sites: synthesis, pH dependent-luminescence, and time-resolved infrared spectroscopic studies. Dalton Transactions RSC, 2001, , 3312-3319.	2.3	23
113	Study of the reaction of Rh(acac)(CO) ₂ with alkenes in polyethylene films under high-pressure hydrogen and the Rh-catalysed hydrogenation of alkenes. Journal of Organometallic Chemistry, 2003, 678, 128-133.	0.8	23
114	Supercritical fluids: Clean solvents for green chemistry. Chinese Journal of Chemistry, 1999, 17, 212-222.	2.6	23
115	Investigating interfacial electron transfer in dye-sensitized NiO using vibrational spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 7877-7885.	1.3	23
116	A laboratory-scale annular continuous flow reactor for UV photochemistry using excimer lamps for discrete wavelength excitation and its use in a wavelength study of a photodecarboxylative cyclisation. Green Chemistry, 2017, 19, 1431-1438.	4.6	23
117	Picosecond time-resolved infrared investigation into the nature of the lowest excited state of fac-[Re(Cl)(CO) ₃ (CO ₂ Et-dppz)] (CO ₂ Et-dppz = dipyrido[3,2a:2'3']phenazine-11-carboxylic ethyl ester). Vibrational Spectroscopy, 2004, 35, 219-223.	1.2	22
118	Recent advances in organometallic alkane and noble gas complexes. Pure and Applied Chemistry, 2009, 81, 1667-1675.	0.9	22
119	Understanding the solubility of water in carbon capture and storage mixtures: An FTIR spectroscopic study of H ₂ O+CO ₂ +N ₂ ternary mixtures. International Journal of Greenhouse Gas Control, 2015, 35, 131-137.	2.3	22
120	Probing the excited state nature of coordination complexes with blended organic and inorganic chromophores using vibrational spectroscopy. Coordination Chemistry Reviews, 2016, 325, 41-58.	9.5	22
121	A comparative study of mechanisms of the adsorption of CO ₂ confined within graphene-MoS ₂ nanosheets: a DFT trend study. Nanoscale Advances, 2019, 1, 1442-1451.	2.2	22
122	Organometallic photochemistry in supercritical fluids: Reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen. Journal of Organometallic Chemistry, 1994, 484, 129-135.	0.8	21
123	Picosecond time-resolved infrared spectroscopic investigation of excited state dynamics in a Pt(ii) diimine chromophore. Chemical Communications, 2002, , 382-383.	2.2	21
124	Photochemistry of Cp ² Mn(CO) ₂ (NHC) (Cp ² = 1 ⁺ -C ₅ H ₄ Me) Species: Synthesis, Time-Resolved IR Spectroscopy, and DFT Calculations. Organometallics, 2012, 31, 4971-4979.	1.1	21
125	A New Approach to Sustainability: A Moore's Law for Chemistry. Angewandte Chemie - International Edition, 2018, 57, 12590-12591.	7.2	21
126	Continuous Flow Supercritical Chemical Fluid Deposition of Optoelectronic Quality CdS. Advanced Materials, 2009, 21, 4115-4119.	11.1	20

#	ARTICLE	IF	CITATIONS
127	Synthesis and Photophysical Study of a [NiFe] Hydrogenase Biomimetic Compound Covalently Linked to a Re-diimine Photosensitizer. <i>Inorganic Chemistry</i> , 2016, 55, 527-536.	1.9	20
128	Excited-state properties of [(OC)5W(L)W(CO)5][L = 4,4'-bipyridyl (4,4'-bipy) or pyrazine] and [(OC)5W(4,4'-bipy)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2711-2718.	1.1	19
129	Revealing the photophysics of fac-[(dppz-12-NO2)Re(CO)3(4-Me2Npy)]+: a picosecond time-resolved IR study Electronic supplementary information (ESI) available: synthetic procedures, product characterization and brief description of ps-TSIR experiments. See http://www.rsc.org/suppdata/cc/b2/b200586g/ . <i>Chemical Communications</i> , 2002, , 872-873.	2.2	19
130	Observations of Interfacial Population and Organization of Surfactants with Sum Frequency Generation and Surface Tension. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12064-12067.	1.5	19
131	Dual Charge-Transfer in Rhenium(I) Thioether Substituted Hexaazaphthalene Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 13049-13060.	1.9	19
132	The Electrodeposition of Silver from Supercritical Carbon Dioxide/Acetonitrile. <i>ChemElectroChem</i> , 2014, 1, 187-194.	1.7	19
133	Long-Lived Charge Transfer Excited States in HBC-Polypyridyl Complex Hybrids. <i>Inorganic Chemistry</i> , 2016, 55, 4710-4719.	1.9	19
134	Continuous <i>N</i> -alkylation reactions of amino alcohols using $\text{I}^3\text{-Al}_2\text{O}_3$ and supercritical CO_2 : unexpected formation of cyclic ureas and urethanes by reaction with CO_2 . <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 329-337.	1.3	19
135	Excited-State Switching in Rhenium(I) Bipyridyl Complexes with Donor and Acceptor Substituents. <i>Journal of the American Chemical Society</i> , 2021, 143, 9082-9093.	6.6	19
136	The characterisation and reactivity of $(\text{I}^5\text{-C}_5\text{H}_5)\text{M}(\text{CO})_3(\text{Xe})$ (M = Nb or Ta) in solution at room temperature. <i>Chemical Communications</i> , 2000, , 1841-1842.	2.2	18
137	Two photochemical pathways in competition: matrix isolation, time-resolved and NMR studies of cis-[Ru(PMe3)4(H)2]. <i>Chemical Communications</i> , 2000, , 1175-1176.	2.2	18
138	Method for Locating the Vapor-Liquid Critical Point of Multicomponent Fluid Mixtures Using a Shear Mode Piezoelectric Sensor. <i>Analytical Chemistry</i> , 2005, 77, 85-92.	3.2	18
139	Combined experimental and theoretical investigation into C-H activation of cyclic alkanes by $\text{Cp}^*\text{Rh}(\text{CO})_2$ ($\text{Cp}^* = \text{I}^5\text{-C}_5\text{H}_5$ or $\text{I}^5\text{-C}_5\text{Me}_5$). <i>Dalton Transactions</i> , 2011, 40, 1751.	1.6	18
140	Time-resolved IR study of the photobehavior of 4-acetylpyridine pentacarbonyltungsten. <i>Inorganic Chemistry</i> , 1993, 32, 4226-4229.	1.9	17
141	Photochemistry of $[\text{CpMo}(\text{CO})_3]_2$ (Cp = $\text{I}^5\text{-C}_5\text{H}_5$) and $[\text{Cp}^*\text{Fe}(\text{CO})_2]_2$ (Cp* = $\text{I}^5\text{-C}_5\text{Me}_5$) in Supercritical CO_2 : A Fast Time-Resolved Infrared Spectroscopic Study. <i>Organometallics</i> , 2001, 20, 1515-1520.	1.1	17
142	Detection of Low Levels of Amorphous Lactose using H/D Exchange and FT-Raman Spectroscopy. <i>Pharmaceutical Research</i> , 2008, 25, 2650-2656.	1.7	17
143	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Main-Group Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 302-309.	1.7	17
144	The phase equilibrium and density studies of the ternary mixtures of $\text{CO}_2 + \text{Ar} + \text{N}_2$ and $\text{CO}_2 + \text{Ar} + \text{H}_2$, systems relevance to CCS technology. <i>International Journal of Greenhouse Gas Control</i> , 2017, 56, 55-66.	2.3	17

#	ARTICLE	IF	CITATIONS
145	Photochemistry of transition metal carbonyls. <i>Chemical Society Reviews</i> , 2022, 51, 5300-5329.	18.7	17
146	A time-resolved infrared spectroscopic study of $[M(\text{SnR}_3)_2(\text{CO})_2(\text{L}\pm\text{-diimine})]$ ($M = \text{Ru, Os}$; $R = \text{Ph, Me}$): evidence of charge redistribution in the lowest-excited state. <i>Dalton Transactions RSC</i> , 2001, , 2587-2592.	2.3	16
147	Alteration of Intraligand Donor–Acceptor Interactions Through Torsional Connectivity in Substituted Re-dppz Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 12967-12977.	1.9	16
148	Porous Metal–Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , 2020, 59, 15646-15658.	1.9	16
149	Understanding the factors controlling the photo-oxidation of natural DNA by enantiomerically pure intercalating ruthenium polypyridyl complexes through TA/TRIR studies with polydeoxynucleotides and mixed sequence oligodeoxynucleotides. <i>Chemical Science</i> , 2020, 11, 8600-8609.	3.7	16
150	A Continuous-Flow Electrochemical Taylor Vortex Reactor: A Laboratory-Scale High-Throughput Flow Reactor with Enhanced Mixing for Scalable Electrosynthesis. <i>Organic Process Research and Development</i> , 2021, 25, 1619-1627.	1.3	16
151	The Infrared Spectra of Triplet 4-Phenylbenzophenone. <i>Chemistry Letters</i> , 1993, 22, 873-876.	0.7	15
152	Detecting phase transitions in supercritical mixtures: an enabling tool for greener chemical reactions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 2799-2818.	1.0	15
153	Nature of Excited States of Ruthenium-Based Solar Cell Dyes in Solution: A Comprehensive Spectroscopic Study. <i>Inorganic Chemistry</i> , 2015, 54, 11697-11708.	1.9	15
154	Selective photoinduced charge separation in perylene-diiimide-pillar[5]arene rotaxanes. <i>Nature Communications</i> , 2022, 13, 415.	5.8	15
155	Intermediates in organometallic and organic chemistry: spectroscopy, polymers, hydrogenation and supercritical fluids. <i>Journal of Physical Organic Chemistry</i> , 1998, 11, 589-596.	0.9	14
156	A fast time-resolved infrared spectroscopic investigation into the nature of the lowest excited state and excimer formation in PtII diimine cyanides. <i>Dalton Transactions RSC</i> , 2002, , 2857-2861.	2.3	14
157	Phase behaviour and conductivity study of electrolytes in supercritical hydrofluorocarbons. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 190-198.	1.3	14
158	Calculating singlet excited states: Comparison with fast time-resolved infrared spectroscopy of coumarins. <i>Journal of Chemical Physics</i> , 2015, 142, 154119.	1.2	14
159	UV PhotoVap: Demonstrating How a Simple and Versatile Reactor Based on a Conventional Rotary Evaporator Can Be Used for UV Photochemistry. <i>Organic Process Research and Development</i> , 2018, 22, 595-599.	1.3	14
160	Unusual Structure and Reactivity of the Photogenerated Intermediate $\text{Cp}^*\text{Cr}(\eta^4\text{-CO})_3\text{CrCp}^*$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$). <i>Journal of the American Chemical Society</i> , 2011, 133, 1071-1075.	9.1	13
161	Experimental and Theoretical Investigation into the Formation and Reactivity of $M(\text{Cp})(\text{CO})_2(\text{CO})_2$ ($M = \text{Mn or Re}$) in Liquid and Supercritical CO_2 and the Effect of Different CO_2 Coordination Modes on Reaction Rates with CO , H_2 , and N_2 . <i>Organometallics</i> , 2009, 28, 3113-3122.	1.1	13
162	An investigation into the photochemical reactions of $\text{MCp}(\text{CO})_4$ ($\text{Cp} = \text{C}_5\text{H}_5$) and $\text{M}(\eta^5\text{-C}_9\text{H}_7)(\text{CO})_4$ ($\eta^5\text{-C}_9\text{H}_7 = \text{indenyl}$; $M = \text{Nb or Ta}$) with CO , H_2 and N_2 in solution at room temperature. <i>Dalton Transactions RSC</i> , 2001, , 1711-1717.	2.3	12

#	ARTICLE	IF	CITATIONS
163	A novel fuzzy clustering algorithm for the analysis of axillary lymph node tissue sections. <i>Applied Intelligence</i> , 2007, 27, 237-248.	3.3	12
164	Probing Organometallic Reactions by Time-Resolved Infrared Spectroscopy in Solution and in the Solid State Using Quantum Cascade Lasers. <i>Applied Spectroscopy</i> , 2015, 69, 519-524.	1.2	12
165	Combining engineering and chemistry for the selective continuous production of four different oxygenated compounds by photo-oxidation of cyclopentadiene using liquid and supercritical CO ₂ as solvents. <i>Tetrahedron</i> , 2018, 74, 3107-3112.	1.0	12
166	Mechanistic and Experimental Study of the Formation of MoS ₂ /HKUST-1 Core-Shell Composites on MoS ₂ Quantum Dots with an Enhanced CO ₂ Adsorption Capacity. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5808-5817.	1.8	12
167	Electron distribution in the excited state of [(OC)5W(4,4'-bipy)W(CO)5] (4,4'-bipy = 4,4'-bipyridyl) determined by time-resolved infrared spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 2217-2219.	1.1	11
168	Infrared Spectra of the Excited States of Coordination Compounds Containing CO Groups: Bandwidths in Polar and Nonpolar Solvents. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8367-8370.	1.1	11
169	Sensing the Critical Point of High-Pressure Mixtures. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5192-5195.	7.2	11
170	A Modified Golden Gate Attenuated Total Reflection (ATR) Cell for Monitoring Phase Transitions in Multicomponent Fluids at High Temperatures. <i>Applied Spectroscopy</i> , 2011, 65, 885-891.	1.2	11
171	A Combined Theoretical and Experimental Study on the Wavelength-Dependent Photophysics of (η ⁶ -benzene)Mo(CO) ₃ . <i>Organometallics</i> , 2012, 31, 268-272.	1.1	11
172	Generation of Microsecond Charge-Separated Excited States in Rhenium(I) Diimine Complexes: Driving Force Is the Dominant Factor in Controlling Lifetime. <i>Inorganic Chemistry</i> , 2019, 58, 9785-9795.	1.9	11
173	Do early and late transition metal noble gas complexes react by different mechanisms? A room temperature time-resolved infrared study of (η ⁵ -C ₅ R ₅)Rh(CO) ₂ (R = H or Me) in supercritical noble gas solution at room temperature. <i>Dalton Transactions</i> , 2003, , 1773-1778.	1.6	10
174	Picosecond time-resolved infrared spectroscopic investigation into electron localisation in the excited states of Re(I) polypyridyl complexes with bridging ligands. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 82-87.	1.6	10
175	Ultrafast time-resolved transient infrared and resonance Raman spectroscopic study of the photo-deprotection and rearrangement reactions of p-hydroxyphenacyl caged phosphates. <i>Faraday Discussions</i> , 0, 145, 171-183.	1.6	10
176	Photochemistry of framework-supported M(diimine)(CO) ₃ X complexes in three-dimensional lithium carboxylate metal-organic frameworks: monitoring the effect of framework cations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160033.	1.6	10
177	Density functional theory study of the adsorption of elemental mercury on a 1T-MoS ₂ monolayer. <i>Journal of Zhejiang University: Science A</i> , 2018, 19, 60-67.	1.3	10
178	A scaled CIS(D) based method for the calculation of valence and core electron ionization energies. <i>Journal of Chemical Physics</i> , 2019, 151, 034104.	1.2	10
179	Multigram Synthesis of Trioxanes Enabled by a Supercritical CO ₂ Integrated Flow Process. <i>Organic Process Research and Development</i> , 2021, 25, 1873-1881.	1.3	10
180	An investigation into the photochemical reactions of M(η ⁵ -C ₅ H ₅)(CO) ₄ and M(η ⁵ -C ₉ H ₇)(CO) ₄ (M = Nb or Ta). <i>Journal of Organometallic Chemistry</i> , 2000, , 4534-4541.	2.3	9

#	ARTICLE	IF	CITATIONS
181	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1870-1874.	1.6	9
182	Lanthanide complexes of iminocarboxylate ligands derived from 1,4,7-triazacyclononane: structural characterisation and relaxivity of the GdIII and luminescence of the EuIII complexes Electronic supplementary information (ESI) available: 1H NMR spectra of [Y(L1)(CH3CO2)] (6) in D2O at 298 K and 1H NMR data on acid-catalysed hydrolysis of [La(L)] (5) in D2O (pD = 4.4). See http://www.rsc.org/suppdata/dt/b2/b209090m/ . <i>Dalton Transactions</i> , 2003, , 1693-1700.	1.6	9
183	Study of picosecond processes of an intercalated dipyridophenazine Cr(III) complex bound to defined sequence DNAs using transient absorption and time-resolved infrared methods. <i>Dalton Transactions</i> , 2014, 43, 17606-17609.	1.6	9
184	A synthetic-dynamic method for water solubility measurements in high pressure CO2 using ATR-FTIR spectroscopy. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 386-391.	1.0	9
185	Photooxidation of Fulvenes in a Continuous Flow Photoreactor using Carbon Dioxide as a Solvent. <i>ChemPhotoChem</i> , 2018, 2, 580-585.	1.5	9
186	A combined time-resolved infrared and density functional theory study of the lowest excited states of 9-fluorenone and 2-naphthaldehyde. <i>Chemical Physics</i> , 2018, 512, 44-52.	0.9	9
187	Self-Optimization of Continuous Flow Electrochemical Synthesis Using Fourier Transform Infrared Spectroscopy and Gas Chromatography. <i>Applied Spectroscopy</i> , 2022, 76, 38-50.	1.2	9
188	Phase behaviour and conductivity of supporting electrolytes in supercritical difluoromethane and 1,1-difluoroethane. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14359-14369.	1.3	8
189	Competing Pathways in the Photochemistry of Ru(H)2(CO)(PPh3)3. <i>Organometallics</i> , 2018, 37, 855-868.	1.1	8
190	New phase equilibrium analyzer for determination of the vapor-liquid equilibrium of carbon dioxide and permanent gas mixtures for carbon capture and storage. <i>Review of Scientific Instruments</i> , 2014, 85, 085110.	0.6	7
191	New insights into the photochemistry of [CpFe(CO)2]2 using picosecond through microsecond time-resolved infrared spectroscopy (TRIR). <i>Polyhedron</i> , 2014, 72, 130-134.	1.0	7
192	The effect of coordination of alkanes, Xe and CO2 (1-OCO) on changes in spin state and reactivity in organometallic chemistry: a combined experimental and theoretical study of the photochemistry of CpMn(CO)3. <i>Faraday Discussions</i> , 2019, 220, 86-104.	1.6	7
193	Cell Design for Picosecond Time-Resolved Infrared Spectroscopy in High-Pressure Liquids and Supercritical Fluids. <i>Applied Spectroscopy</i> , 2008, 62, 24-29.	1.2	6
194	Probing the use of long lived intra-ligand 1MLCT excited states for photocatalytic systems: A study of the photophysics and photochemistry of [ReCl(CO)3(dppz-(CH3)2)]. <i>Polyhedron</i> , 2017, 123, 259-264.	1.0	5
195	High Yielding Continuous-Flow Synthesis of Norketamine. <i>Organic Process Research and Development</i> , 2022, 26, 1145-1151.	1.3	5
196	Ein neuer Blick auf Nachhaltigkeit: ein Mooresches Gesetz für die Chemie. <i>Angewandte Chemie</i> , 2018, 130, 12770-12771.	1.6	4
197	Telescoped Continuous Flow Synthesis of 2-Substituted 1,4-Benzoquinones via Oxidative Dearomatisation of para-Substituted Phenols Using Singlet Oxygen in Supercritical CO2. <i>Synthesis</i> , 2022, 54, 3651-3657.	1.2	4
198	The photochemistry of (CO)4Mn(μ-3:1-6-C3H4C6H5)Cr(CO)3 in frozen gas matrices at ca. 12 K. <i>Dalton Transactions</i> , 2003, , 1545-1550.	1.6	3

#	ARTICLE	IF	CITATIONS
199	In Situ Sulfidation of Pd/C: A Straightforward Method for Chemoselective Conjugate Reduction by Continuous Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16814-16819.	3.2	3
200	Electronically excited state geometries and vibrational frequencies calculated using the algebraic diagrammatic construction scheme for the polarization propagator. <i>Chemical Physics Letters</i> , 2019, 726, 62-68.	1.2	3
201	Integrated Multistep Photochemical and Thermal Continuous Flow Reactions: Production of Bicyclic Lactones with Kilogram Productivity. <i>Organic Process Research and Development</i> , 2021, 25, 2052-2059.	1.3	3
202	Formation of organometallic xenon complexes in conventional fluids: A time-resolved infrared (TRIR) study of the photochemistry of W(CO) ₅ (4AcPyr) (4-AcPyr=4-Acetylpyridine) in perfluoromethylcyclohexane (PFMCH). <i>Vibrational Spectroscopy</i> , 2020, 108, 103053.	1.2	3
203	Time-Resolved Infrared Spectroscopy in Supercritical Fluids. <i>Laser Chemistry</i> , 1999, 19, 133-139.	0.5	2
204	Influence of molecular design on radical spin multiplicity: characterisation of BODIPY dyad and triad radical anions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4429-4438.	1.3	2
205	Wavelength dependent photoextrusion and tandem photo-extrusion reactions of ninhydrin bis-acetals for the synthesis of 8-ring lactones, benzocyclobutenes and orthoanhydrides. <i>Chemical Communications</i> , 2022, 58, 1546-1549.	2.2	2
206	High-Pressureâ€“Low-Temperature Cryostat Designed for Use with Fourier Transform Infrared Spectrometers and Time-Resolved Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 324-331.	1.2	1
207	Photooxidation of Fulvenes in a Continuous Flow Photoreactor using Carbon Dioxide as a Solvent. <i>ChemPhotoChem</i> , 2018, 2, 509-509.	1.5	1
208	Pressure-Drop Method for Detecting Bubble and Dew Points of Multicomponent Mixtures at Temperatures of up to 573 K. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 935-942.	1.0	0
209	Photophysical and electrochemical properties of [Re(CO) ₃ Cl(NN)] (NN = dppp3, dppp2, dppp2Br) complexes functionalised with pendant pyridyl ligands. <i>Vibrational Spectroscopy</i> , 2019, 100, 86-92.	1.2	0