

Michael W George

List of Publications by Year in descending order

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209
papers

8,135
citations

41344

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76
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all docs

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docs citations

211
times ranked

7212
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysics of Diimine Platinum(II) Bis-Acetylide Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 4053-4062.	4.0	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 /Overlo Spectroelectrochemical Investigation. <i>Organometallics</i> , 1996, 15, 3374-3387.	2.3	291
3	Ultra: A Unique Instrument for Time-Resolved Spectroscopy. <i>Applied Spectroscopy</i> , 2010, 64, 1311-1319.	2.2	173
4	Reversible adsorption of nitrogen dioxide within a robust porous metal-organic framework. <i>Nature Materials</i> , 2018, 17, 691-696.	27.5	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.	2.2	147
6	Applying green chemistry to the photochemical route to artemisinin. <i>Nature Chemistry</i> , 2015, 7, 489-495.	13.6	140
7	EDF2: A Density Functional for Predicting Molecular Vibrational Frequencies. <i>Australian Journal of Chemistry</i> , 2004, 57, 365.	0.9	139
8	Photoreactivity examined through incorporation in metal-organic frameworks. <i>Nature Chemistry</i> , 2010, 2, 688-694.	13.6	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.	4.0	133
10	Nanosecond Time-Resolved Infrared Spectroscopy with a Dispersive Scanning Spectrometer. <i>Applied Spectroscopy</i> , 1994, 48, 684-690.	2.2	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.	13.7	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.	13.7	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.	7.4	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.	13.7	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.	3.5	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.	18.8	102
17	Remote-controlled experiments with cloud chemistry. <i>Nature Chemistry</i> , 2015, 7, 1-5.	13.6	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.	2.9	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. Chemistry - A European Journal, 2008, 14, 369-375.	3.3	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. Inorganic Chemistry, 2011, 50, 11877-11889.	4.0	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, Ru, Os). J. Am. Chem. Soc. 1996, 118, 10525-10532.	13.7	87
22	Cleaner Continuous Photo-Oxidation Using Singlet Oxygen in Supercritical Carbon Dioxide. Angewandte Chemie - International Edition, 2009, 48, 5322-5325.	13.8	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. Journal of the Chemical Society Dalton Transactions, 1993, , 2977-2979.	1.1	84
24	Manganese Alkane Complexes: An IR and NMR Spectroscopic Investigation. Journal of the American Chemical Society, 2011, 133, 2303-2310.	13.7	84
25	Comparison of rhenium-porphyrin dyads for CO ₂ photoreduction: photocatalytic studies and charge separation dynamics studied by time-resolved IR spectroscopy. Chemical Science, 2015, 6, 6847-6864.	7.4	81
26	Using picosecond and nanosecond time-resolved infrared spectroscopy for the investigation of excited states and reaction intermediates of inorganic systems Based on the presentation given at Dalton Discussion No. 6, 9-11th September 2003, University of York, UK.. Dalton Transactions, 2003, , 3996.	3.3	73
27	2,5-Bis(4-phenylethynyl)rhodacyclopentadienes Show Intense Fluorescence: Denying the Presence of a Heavy Atom. Angewandte Chemie - International Edition, 2010, 49, 2349-2353.	13.8	72
28	Rational Design of Triplet Sensitizers for the Transfer of Excited State Photochemistry from UV to Visible. Journal of the American Chemical Society, 2020, 142, 14947-14956.	13.7	72
29	Electrodeposition of metals from supercritical fluids. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14768-14772.	7.1	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. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6927-6932.	7.1	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 -xClx and the kinetic investigation of (eta ⁵ -C ₅ R ₅)M(CO) ₃ intermediates. Journal of the American Chemical Society, 1993, 115, 2286-2299.	13.7	65
32	Unraveling the Photochemistry of Fe(CO) ₅ in Solution: An Observation of Fe(CO) ₃ and the Conversion between 3Fe(CO) ₄ and 1Fe(CO) ₄ (Solvent). Journal of the American Chemical Society, 2004, 126, 10713-10720.	13.7	65
33	Immobilised photosensitisers for continuous flow reactions of singlet oxygen in supercritical carbon dioxide. Chemical Science, 2011, 2, 1059.	7.4	65
34	Monitoring the direct and indirect damage of DNA bases and polynucleotides by using time-resolved infrared spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2150-2153.	7.1	64
35	Assessment of time-dependent density functional theory with the restricted excitation space approximation for excited state calculations of large systems. Molecular Physics, 2018, 116, 1452-1459.	1.7	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. Analyst, The, 2009, 134, 1265.	3.5	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.	2.2	62
38	Intraligand Charge-Transfer Excited States in Re(I) Complexes with Donor-Substituted Dipyridophenazine Ligands. Inorganic Chemistry, 2014, 53, 1339-1354.	4.0	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.	2.7	60
40	Transient spectroscopy of dipyridophenazine metal complexes which undergo photo-induced electron transfer with DNA. Coordination Chemistry Reviews, 2011, 255, 2666-2675.	18.8	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.	13.7	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.	13.7	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.	7.1	57
44	Probing the Solvent Dependent Photophysics of Inorganic Chemistry, 2008, 47, 9857-9869.	4.0	57
45	Early photochemical dynamics of organometallic compounds studied by ultrafast time-resolved spectroscopic techniquesBased on the presentation given at Dalton Discussion No. 4, 10â€“13th January 2000, London, UK. A Combined Spectroscopic, Photophysical and Theoretical (DFT) Study of the Electronically Excited Inorganometallic Complexes [Ru(E)(Ea ²⁺)(CO) ₂](<i>i</i> -Prâ€“DAB)] (Et ³ /4Cl, Me, SnPh ₃), Tj ETQq0 0 0 rgBT	2.3	56
46	³ Î¶Î¶* Excited State for [Ru(SnPh ₃) ₃](CO) ₂ (<i>i</i> -Prâ€“DAB)]. Chemistry - A European	3.3	53
47	Investigation into the reactivity of M(Î ⁵ -C ₅ R ₅)(CO) ₂ (alkane) (Mâ€“...=â€“...Mn or Re; Râ€“...=â€“...H, Me or Ph); Tj ETQq1 1 0.784314 rgBT 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.	3.1	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.	4.0	50
50	UV Photochemistry of [CpFe(CO) ₂] ₂ (Cp = Î 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)] ⁺ Complexes: An Integrated Spectroscopic and Theoretical Study. Journal of the American Chemical Society, 2018, 140, 4534-4542.	13.7	49
52	Infrared Characterization of the Guanine Radical Cation: Finger Printing DNA Damage. Journal of Physical Chemistry B, 2010, 114, 3660-3667.	2.6	48
53	Direct Zâ€“Scheme Heterojunction of SnS ₂ /Sulfurâ€“Bridged Covalent Triazine Frameworks for Visibleâ€“Lightâ€“Driven CO ₂ Photoreduction. ChemSusChem, 2020, 13, 6278-6283.	6.8	48
54	Two chemically distinct root lignin barriers control solute and water balance. Nature Communications, 2021, 12, 2320.	12.8	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.	4.0	47
56	Calculating excited state properties using Kohn-Sham density functional theory. <i>Journal of Chemical Physics</i> , 2013, 138, 064101.	3.0	47
57	Maximising the efficiency of continuous photo-oxidation with singlet oxygen in supercritical CO ₂ by use of fluorous biphasic catalysis. <i>Chemical Communications</i> , 2012, 48, 3073.	4.1	46
58	Homogeneous photochemical oxidation via singlet O ₂ in supercritical CO ₂ . <i>Chemical Communications</i> , 2008, , 4457.	4.1	45
59	A Simple and Versatile Reactor for Photochemistry. <i>Organic Process Research and Development</i> , 2016, 20, 1792-1798.	2.7	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.	7.4	44
62	Understanding the factors affecting the activation of alkane by Cp ^{η²} Rh(CO) ₂ (Cp ^{η²} Å=ÅCp or Cp [*]). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20178-20183.	7.1	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.	13.7	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.	2.7	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.	2.5	42
66	Automated Serendipity with Self-Optimizing Continuous-Flow Reactors. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6141-6145.	2.4	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.	4.6	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.	4.0	39
69	Chemistry of Reactive Organometallic Compounds at Low Temperatures and High Pressures: Å Reactions of M(CO) ₆ (M = Cr, Mo, W), (Î-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.	2.3	38
70	An Investigation into the Reactivity of Organometallic Noble Gas Complexes: Å 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.	2.5	38
71	Organometallic alkane and noble-gas complexes in conventional and supercritical fluids. <i>Pure and Applied Chemistry</i> , 2001, 73, 443-447.	1.9	38
72	Rhodium-Catalyzed Hydroformylation of Alkenes Using in Situ High-Pressure IR and Polymer Matrix Techniques. <i>Organometallics</i> , 2003, 22, 1612-1618.	2.3	38

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73	Unusually Slow Photodissociation of CO from $(\text{I}^{\text{+6}}\text{-C}^{\text{+6}}\text{H}^{\text{+6}})\text{Cr}(\text{CO})_3$ (M = Cr or Mo): A Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2009, 28, 1461-1468.	2.3	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.	13.7	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.	7.1	37
76	Synthesis of antimalarial trioxanes via continuous photo-oxidation with O_2 in supercritical CO_2 . <i>Green Chemistry</i> , 2013, 15, 177-180.	9.0	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.	3.3	35
79	Strategies for cleaner oxidations using photochemically generated singlet oxygen in supercritical carbon dioxide. <i>Green Chemistry</i> , 2009, 11, 1787.	9.0	34
80	Photocatalytic hydroxylation of arylboronic acids using continuous flow reactors. <i>RSC Advances</i> , 2015, 5, 6501-6504.	3.6	34
81	Continuous niobium phosphate catalysed Skraup reaction for quinoline synthesis from solketal. <i>Green Chemistry</i> , 2017, 19, 2439-2447.	9.0	34
82	Electrodeposition of germanium from supercritical fluids. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1517-1528.	2.8	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.	2.9	32
84	Carbon-Hydrogen Activation of Cycloalkanes by Cyclopentadienylcarbonylrhodium: A Lifetime Enigma. <i>Journal of the American Chemical Society</i> , 2014, 136, 8614-8625.	13.7	32
85	Photochemistry of $\text{Cr}(\text{CO})_4(\text{bpy})$ ($\text{bpy} = 2,2'$ -Bipyridine) Studied by Time-Resolved Infrared Spectroscopy. <i>Organometallics</i> , 1996, 15, 4089-4092.	2.3	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.	4.0	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.	2.9	31
88	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 752-764.	2.8	30
89	Probing the Mechanism of Carbon-Hydrogen Bond Activation by Photochemically Generated Hydridotris(pyrazolyl)borato Carbonyl Rhodium Complexes: New Experimental and Theoretical Investigations. <i>Organometallics</i> , 2008, 27, 189-201.	2.3	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, .	3.0	29

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91	UN sustainable development goals: How can sustainable/green chemistry contribute? By doing things differently. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 146-149.	5.9	29
92	Modification of coordination networks through a photoinduced charge transfer process. Chemical Science, 2014, 5, 539-544.	7.4	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). Chemical Science, 2015, 6, 418-424.	7.4	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. International Journal of Greenhouse Gas Control, 2015, 41, 68-81.	4.6	28
95	Excited States of Triphenylamine-Substituted 2-Pyridyl-1,2,3-triazole Complexes. Inorganic Chemistry, 2016, 55, 12238-12253.	4.0	28
96	A systematic approach to the generation of long-lived metal alkane complexes: combined IR and NMR study of (Tp)Re(CO) ₂ (cyclopentane). Chemical Communications, 2009, , 1401.	4.1	27
97	Photochemistry in a 3D Metal-Organic Framework (MOF): Monitoring Intermediates and Reactivity of the $\text{fac-}[\text{Re}(\text{diimine})(\text{CO})_3\text{Cl}]$ Incorporated in a MOF. Inorganic Chemistry, 2014, 53, 2606-2612.	4.0	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. Journal of the American Chemical Society, 2018, 140, 1842-1854.	13.7	27
99	Nanosecond Time-Resolved Step-Scan FT-IR Spectroscopy in Conventional and Supercritical Fluids Using a Four-Window Infrared Cell. Applied Spectroscopy, 2002, 56, 31-39.	2.2	26
100	Probing intraligand and charge transfer excited states of $\text{fac-}[\text{Re}(\text{R})(\text{CO})_3(\text{CO}_2\text{Et-dppz})]^+$ (R = py,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 infrared spectroscopy. Photochemical and Photobiological Sciences, 2007, 6, 1158.	2.9	26
101	Could the energy cost of using supercritical fluids be mitigated by using CO ₂ from carbon capture and storage (CCS)?. Green Chemistry, 2011, 13, 2727.	9.0	26
102	Photochemical Dihydrogen Production Using an Analogue of the Active Site of [NiFe] Hydrogenase. Inorganic Chemistry, 2014, 53, 4430-4439.	4.0	26
103	Re(I) Complexes of Substituted dppz: A Computational and Spectroscopic Study. Inorganic Chemistry, 2014, 53, 3126-3140.	4.0	26
104	Photoinduced Se-C Insertion Following Photolysis of $(\eta^5\text{-C}_5\text{H}_4\text{H})\text{Se}(\text{CO})_3$. A Picosecond and Nanosecond Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. Organometallics, 2008, 27, 3671-3680.	2.3	25
105	The electrodeposition of copper from supercritical CO ₂ /acetonitrile mixtures and from supercritical trifluoromethane. Physical Chemistry Chemical Physics, 2010, 12, 11744.	2.8	25
106	Phase behaviour and conductivity study on multi-component mixtures for electrodeposition in supercritical fluids. Physical Chemistry Chemical Physics, 2010, 12, 492-501.	2.8	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. Journal of the American Chemical Society, 2019, 141, 11471-11480.	13.7	25
108	Highly Ordered BN-Stacking Structure for Improved Thermally Conductive Polymer Composites. Advanced Electronic Materials, 2020, 6, 2000627.	5.1	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.	3.3	24
110	Structure and Dynamics of Iron Pentacarbonyl. Organometallics, 2019, 38, 4288-4297.	2.3	24
111	Energetics of the Reactions of $(\eta^6\text{-C}_6\text{H}_6)\text{Cr}(\text{CO})_3$ 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 $[\text{Ru}(\text{bipy})(\text{CN})_4]^{2-}$ 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 $\text{Rh}(\text{acac})(\text{CO})_2$ with alkenes in polyethylene films under high-pressure hydrogen and the Rh-catalysed hydrogenation of alkenes. Journal of Organometallic Chemistry, 2003, 678, 128-133.	1.8	23
114	Supercritical fluids: Clean solvents for green chemistry. Chinese Journal of Chemistry, 1999, 17, 212-222.	4.9	23
115	Investigating interfacial electron transfer in dye-sensitized NiO using vibrational spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 7877-7885.	2.8	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.	9.0	23
117	Picosecond time-resolved infrared investigation into the nature of the lowest excited state of $\text{fac-}[\text{Re}(\text{Cl})(\text{CO})_3(\text{CO}_2\text{Et-dppz})]$ ($\text{CO}_2\text{Et-dppz}$ = dipyrdo[3,2a:2',3'']phenazine-11-carboxylic ethyl ester). Vibrational Spectroscopy, 2004, 35, 219-223.	2.2	22
118	Recent advances in organometallic alkane and noble gas complexes. Pure and Applied Chemistry, 2009, 81, 1667-1675.	1.9	22
119	Understanding the solubility of water in carbon capture and storage mixtures: An FTIR spectroscopic study of $\text{H}_2\text{O}+\text{CO}_2+\text{N}_2$ ternary mixtures. International Journal of Greenhouse Gas Control, 2015, 35, 131-137.	4.6	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.	18.8	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.	4.6	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.	1.8	21
123	Picosecond time-resolved infrared spectroscopic investigation of excited state dynamics in a PtII diimine chromophore. Chemical Communications, 2002, , 382-383.	4.1	21
124	Photochemistry of $\text{Cp}^*\text{Mn}(\text{CO})_2(\text{NHC})$ ($\text{Cp}^* = \eta^5\text{-C}_5\text{H}_5$, H_4Me) Species: Synthesis, Time-Resolved IR Spectroscopy, and DFT Calculations. Organometallics, 2012, 31, 4971-4979.	2.3	21
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