

# Michael W George

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6149271/publications.pdf>

Version: 2024-02-01

209  
papers

8,135  
citations

47409

49  
h-index

81351

76  
g-index

211  
all docs

211  
docs citations

211  
times ranked

8055  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Selective photoinduced charge separation in perylene diimide-pillar[5]arene rotaxanes. <i>Nature Communications</i> , 2022, 13, 415.	5.8	15
3	High Yielding Continuous-Flow Synthesis of Norketamine. <i>Organic Process Research and Development</i> , 2022, 26, 1145-1151.	1.3	5
4	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
5	Telescoped Continuous Flow Synthesis of 2-Substituted 1,4-Benzoquinones via Oxidative Dearomatisation of para-Substituted Phenols Using Singlet Oxygen in Supercritical CO <sub>2</sub> . <i>Synthesis</i> , 2022, 54, 3651-3657.	1.2	4
6	Photochemistry of transition metal carbonyls. <i>Chemical Society Reviews</i> , 2022, 51, 5300-5329.	18.7	17
7	Two chemically distinct root lignin barriers control solute and water balance. <i>Nature Communications</i> , 2021, 12, 2320.	5.8	48
8	Multigram Synthesis of Trioxanes Enabled by a Supercritical CO <sub>2</sub> Integrated Flow Process. <i>Organic Process Research and Development</i> , 2021, 25, 1873-1881.	1.3	10
9	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
10	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
11	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
12	Highly Ordered BN <sub>2</sub> Stacking Structure for Improved Thermally Conductive Polymer Composites. <i>Advanced Electronic Materials</i> , 2020, 6, 2000627.	2.6	25
13	Porous Metal-Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , 2020, 59, 15646-15658.	1.9	16
14	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
15	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
16	Mechanistic and Experimental Study of the Formation of MoS <sub>2</sub> /HKUST-1 Core-Shell Composites on MoS <sub>2</sub> Quantum Dots with an Enhanced CO <sub>2</sub> Adsorption Capacity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 5808-5817.	1.8	12
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Direct Z-scheme Heterojunction of SnS <sub>2</sub> /Sulfur-Bridged Covalent Triazine Frameworks for Visible-Light-Driven CO <sub>2</sub> Photoreduction. <i>ChemSusChem</i> , 2020, 13, 6278-6283.	3.6	48
20	Formation of organometallic xenon complexes in conventional fluids: A time-resolved infrared (TRIR) study of the photochemistry of W(CO) <sub>5</sub> (4AcPyr) (4-AcPyr=4-Acetylpyridine) in perfluoromethylcyclohexane (PFMCH). <i>Vibrational Spectroscopy</i> , 2020, 108, 103053.	1.2	3
21	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
22	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
23	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
24	Structure and Dynamics of Iron Pentacarbonyl. <i>Organometallics</i> , 2019, 38, 4288-4297.	1.1	24
25	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
26	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
27	The effect of coordination of alkanes, Xe and CO <sub>2</sub> ( $\hat{\nu}^1$ -OCO) on changes in spin state and reactivity in organometallic chemistry: a combined experimental and theoretical study of the photochemistry of CpMn(CO) <sub>3</sub> . <i>Faraday Discussions</i> , 2019, 220, 86-104.	1.6	7
28	Photophysical and electrochemical properties of [Re(CO) <sub>3</sub> Cl(NN)] (NN = dppp3, dppp2, dppp2Br) complexes functionalised with pendant pyridyl ligands. <i>Vibrational Spectroscopy</i> , 2019, 100, 86-92.	1.2	0
29	A comparative study of mechanisms of the adsorption of CO <sub>2</sub> confined within graphene-MoS <sub>2</sub> nanosheets: a DFT trend study. <i>Nanoscale Advances</i> , 2019, 1, 1442-1451.	2.2	22
30	Competing Pathways in the Photochemistry of Ru(H) <sub>2</sub> (CO)(PPh <sub>3</sub> ) <sub>3</sub> . <i>Organometallics</i> , 2018, 37, 855-868.	1.1	8
31	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
32	Density functional theory study of the adsorption of elemental mercury on a 1T-MoS <sub>2</sub> monolayer. <i>Journal of Zhejiang University: Science A</i> , 2018, 19, 60-67.	1.3	10
33	Combining engineering and chemistry for the selective continuous production of four different oxygenated compounds by photo-oxidation of cyclopentadiene using liquid and supercritical CO <sub>2</sub> as solvents. <i>Tetrahedron</i> , 2018, 74, 3107-3112.	1.0	12
34	Probing the Carbon-Hydrogen Activation of Alkanes Following Photolysis of Tp-Rh(CNR)(carbodiimide): A Computational and Time-Resolved Infrared Spectroscopic Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 1842-1854.	6.6	27
35	Photooxidation of Fulvenes in a Continuous Flow Photoreactor using Carbon Dioxide as a Solvent. <i>ChemPhotoChem</i> , 2018, 2, 580-585.	1.5	9
36	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

#	ARTICLE	IF	CITATIONS
37	Dramatic Alteration of $^3\text{ILCT}$ Lifetimes Using Ancillary Ligands in $[\text{Re}(\text{L})(\text{CO})_3(\text{phen-TPA})]^{+}$ Complexes: An Integrated Spectroscopic and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 4534-4542.	6.6	49
38	Pressure-Drop Method for Detecting Bubble and Dew Points of Multicomponent Mixtures at Temperatures of up to 573 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 935-942.	1.0	0
39	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
40	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 752-764.	1.3	30
41	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
42	A New Approach to Sustainability: A Moore's Law for Chemistry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12590-12591.	7.2	21
43	Photooxidation of Fulvenes in a Continuous Flow Photoreactor using Carbon Dioxide as a Solvent. <i>ChemPhotoChem</i> , 2018, 2, 509-509.	1.5	1
44	Ein neuer Blick auf Nachhaltigkeit: ein Mooresches Gesetz für die Chemie. <i>Angewandte Chemie</i> , 2018, 130, 12770-12771.	1.6	4
45	Reversible adsorption of nitrogen dioxide within a robust porous metal-organic framework. <i>Nature Materials</i> , 2018, 17, 691-696.	13.3	162
46	Investigating interfacial electron transfer in dye-sensitized NiO using vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7877-7885.	1.3	23
47	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
48	Continuous niobium phosphate catalysed Skraup reaction for quinoline synthesis from solketal. <i>Green Chemistry</i> , 2017, 19, 2439-2447.	4.6	34
49	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
50	Probing the use of long lived intra-ligand $^1\text{LC}^*$ excited states for photocatalytic systems: A study of the photophysics and photochemistry of $[\text{ReCl}(\text{CO})_3(\text{dppz}-(\text{CH}_3)_2)]$ . <i>Polyhedron</i> , 2017, 123, 259-264.	1.0	5
51	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
52	Photochemistry of framework-supported $\text{M}(\text{diimine})(\text{CO})_3\text{X}$ 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
53	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. <i>Green Chemistry</i> , 2017, 19, 1431-1438.	4.6	23
54	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

#	ARTICLE	IF	CITATIONS
55	Continuous Photo-Oxidation in a Vortex Reactor: Efficient Operations Using Air Drawn from the Laboratory. <i>Organic Process Research and Development</i> , 2017, 21, 1042-1050.	1.3	60
56	Continuous <i>N</i> -alkylation reactions of amino alcohols using $\text{I}^3\text{-Al}_2\text{O}_3$ and supercritical $\text{CO}_2$ : unexpected formation of cyclic ureas and urethanes by reaction with $\text{CO}_2$ . <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 329-337.	1.3	19
57	Can aliphatic anchoring groups be utilised with dyes for p-type dye sensitized solar cells?. <i>Dalton Transactions</i> , 2016, 45, 7708-7719.	1.6	24
58	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
59	Long-Lived Charge Transfer Excited States in HBC-Polypyridyl Complex Hybrids. <i>Inorganic Chemistry</i> , 2016, 55, 4710-4719.	1.9	19
60	A Simple and Versatile Reactor for Photochemistry. <i>Organic Process Research and Development</i> , 2016, 20, 1792-1798.	1.3	45
61	Excited States of Triphenylamine-Substituted 2-Pyridyl-1,2,3-triazole Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 12238-12253.	1.9	28
62	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
63	Probing the excited state nature of coordination complexes with blended organic and inorganic chromophores using vibrational spectroscopy. <i>Coordination Chemistry Reviews</i> , 2016, 325, 41-58.	9.5	22
64	A synthetic-dynamic method for water solubility measurements in high pressure $\text{CO}_2$ using ATR-FTIR spectroscopy. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 386-391.	1.0	9
65	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
66	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
67	Automated Serendipity with Self-Optimizing Continuous-Flow Reactors. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6141-6145.	1.2	42
68	Detection of $\eta^5$ -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
69	Photocatalytic hydroxylation of arylboronic acids using continuous flow reactors. <i>RSC Advances</i> , 2015, 5, 6501-6504.	1.7	34
70	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. <i>International Journal of Greenhouse Gas Control</i> , 2015, 35, 131-137.	2.3	22
71	Measurement of the vapour-liquid equilibrium of binary and ternary mixtures of $\text{CO}_2$ , $\text{N}_2$ and $\text{H}_2$ , systems which are of relevance to CCS technology. <i>International Journal of Greenhouse Gas Control</i> , 2015, 41, 68-81.	2.3	28
72	Applying green chemistry to the photochemical route to artemisinin. <i>Nature Chemistry</i> , 2015, 7, 489-495.	6.6	140

#	ARTICLE	IF	CITATIONS
73	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
74	Comparison of rhenium porphyrin dyads for CO <sub>2</sub> photoreduction: photocatalytic studies and charge separation dynamics studied by time-resolved IR spectroscopy. <i>Chemical Science</i> , 2015, 6, 6847-6864.	3.7	81
75	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
76	Remote-controlled experiments with cloud chemistry. <i>Nature Chemistry</i> , 2015, 7, 1-5.	6.6	96
77	Study of picosecond processes of an intercalated dipyrrophenazine 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
78	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
79	Dual Charge-Transfer in Rhenium(I) Thioether Substituted Hexaazaphthalene Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 13049-13060.	1.9	19
80	Photophysics and electrochemistry of a platinum-acetylide disubstituted perylene diimide. <i>Dalton Transactions</i> , 2014, 43, 85-94.	1.6	35
81	Modification of coordination networks through a photoinduced charge transfer process. <i>Chemical Science</i> , 2014, 5, 539-544.	3.7	28
82	Intraligand Charge-Transfer Excited States in Re(I) Complexes with Donor-Substituted Dipyrrophenazine Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 1339-1354.	1.9	61
83	The Electrodeposition of Silver from Supercritical Carbon Dioxide/Acetonitrile. <i>ChemElectroChem</i> , 2014, 1, 187-194.	1.7	19
84	Carbon-Hydrogen Activation of Cycloalkanes by Cyclopentadienylcarbonylrhodium: A Lifetime Enigma. <i>Journal of the American Chemical Society</i> , 2014, 136, 8614-8625.	6.6	32
85	Red-Absorbing Cationic Acceptor Dyes for Photocathodes in Tandem Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16536-16546.	1.5	51
86	Photochemical Dihydrogen Production Using an Analogue of the Active Site of [NiFe] Hydrogenase. <i>Inorganic Chemistry</i> , 2014, 53, 4430-4439.	1.9	26
87	Re(I) Complexes of Substituted dppz: A Computational and Spectroscopic Study. <i>Inorganic Chemistry</i> , 2014, 53, 3126-3140.	1.9	26
88	Photochemistry in a 3D Metal-Organic Framework (MOF): Monitoring Intermediates and Reactivity of the fac-to-mer Photoisomerization of Re(diimine)(CO) <sub>3</sub> Cl Incorporated in a MOF. <i>Inorganic Chemistry</i> , 2014, 53, 2606-2612.	1.9	27
89	New insights into the photochemistry of [CpFe(CO) <sub>2</sub> ] <sub>2</sub> using picosecond through microsecond time-resolved infrared spectroscopy (TRIR). <i>Polyhedron</i> , 2014, 72, 130-134.	1.0	7
90	High-Pressure-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



#	ARTICLE	IF	CITATIONS
91	Densities of the carbon dioxide+hydrogen, a system of relevance to carbon capture and storage. International Journal of Greenhouse Gas Control, 2013, 13, 78-86.	2.3	40
92	Synthesis of antimalarial trioxanes via continuous photo-oxidation with $1 \times 10^2$ in supercritical $\text{CO}_2$ . Green Chemistry, 2013, 15, 177-180.	4.6	36
93	Calculating excited state properties using Kohn-Sham density functional theory. Journal of Chemical Physics, 2013, 138, 064101.	1.2	47
94	Real-Time Feedback Control Using Online Attenuated Total Reflection Fourier Transform Infrared (ATR) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 67, 1127-1131.	1.2	62
95	Investigating the Calculation of Anharmonic Vibrational Frequencies Using Force Fields Derived from Density Functional Theory. Journal of Physical Chemistry A, 2012, 116, 4417-4425.	1.1	42
96	Maximising the efficiency of continuous photo-oxidation with singlet oxygen in supercritical $\text{CO}_2$ by use of fluorous biphasic catalysis. Chemical Communications, 2012, 48, 3073.	2.2	46
97	A Combined Theoretical and Experimental Study on the Wavelength-Dependent Photophysics of $(\text{C}_6\text{-benzene})\text{Mo}(\text{CO})_3$ . Organometallics, 2012, 31, 268-272.	1.1	11
98	Selective $\text{CO}_2$ uptake and inverse $\text{CO}_2/\text{C}_2\text{H}_2$ selectivity in a dynamic bifunctional metal-organic framework. Chemical Science, 2012, 3, 2993.	3.7	117
99	Photochemistry of $\text{Cp}^*\text{Mn}(\text{CO})_2(\text{NHC})$ ( $\text{Cp}^* = \text{C}_5\text{H}_5\text{-C}_5\text{H}_4\text{Me}$ ) Species: Synthesis, Time-Resolved IR Spectroscopy, and DFT Calculations. Organometallics, 2012, 31, 4971-4979.	1.1	21
100	Electrodeposition of germanium from supercritical fluids. Physical Chemistry Chemical Physics, 2012, 14, 1517-1528.	1.3	33
101	Combined experimental and theoretical investigation into $\text{C-H}$ activation of cyclic alkanes by $\text{Cp}^*\text{Rh}(\text{CO})_2$ ( $\text{Cp}^* = \text{C}_5\text{H}_5$ or $\text{C}_5\text{Me}_5$ ). Dalton Transactions, 2011, 40, 1751.	1.6	18
102	Immobilised photosensitisers for continuous flow reactions of singlet oxygen in supercritical carbon dioxide. Chemical Science, 2011, 2, 1059.	3.7	65
103	Phase behaviour and conductivity study of electrolytes in supercritical hydrofluorocarbons. Physical Chemistry Chemical Physics, 2011, 13, 190-198.	1.3	14
104	Complete Family of Mono-, Bi-, and Trinuclear $\text{Re}(\text{CO})_3\text{Cl}$ 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
105	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 $\text{fac-}[\text{Re}(\text{CO})_3(\text{F}_2\text{dppz})(\text{py})]^+$ bound to either $[\text{poly}(\text{dA-dT})_2]$ or $[\text{poly}(\text{dG-dC})_2]$ . Photochemical and Photobiological Sciences, 2011, 10, 1355.	1.6	32
106	Manganese Alkane Complexes: An IR and NMR Spectroscopic Investigation. Journal of the American Chemical Society, 2011, 133, 2303-2310.	6.6	84
107	Could the energy cost of using supercritical fluids be mitigated by using $\text{CO}_2$ from carbon capture and storage (CCS)? Green Chemistry, 2011, 13, 2727.	4.6	26
108	A Modified Golden Gate Attenuated Total Reflection (ATR) Cell for Monitoring Phase Transitions in Multicomponent Fluids at High Temperatures. Applied Spectroscopy, 2011, 65, 885-891.	1.2	11

#	ARTICLE	IF	CITATIONS
109	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
110	Transient spectroscopy of dipyrrophenazine metal complexes which undergo photo-induced electron transfer with DNA. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2666-2675.	9.5	59
111	Photochemistry and Photophysics of a Pd(II) Metalloporphyrin: Re(I) Tricarbonyl Bipyridine Molecular Dyad and its Activity Toward the Photoreduction of CO <sub>2</sub> to CO. <i>Inorganic Chemistry</i> , 2011, 50, 11877-11889.	1.9	91
112	2,5-Bis(4-ethynylphenyl)rhodacyclopentadienes Show Intense Fluorescence: Denying the Presence of a Heavy Atom. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2349-2353.	7.2	72
113	Photoreactivity examined through incorporation in metal-organic frameworks. <i>Nature Chemistry</i> , 2010, 2, 688-694.	6.6	137
114	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
115	Understanding the factors affecting the activation of alkane by Cp <sup>2</sup> Rh(CO) <sub>2</sub> (Cp <sup>2</sup> = Cp or Cp <sup>*</sup> ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20178-20183.	3.3	43
116	Infrared Characterization of the Guanine Radical Cation: Finger Printing DNA Damage. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3660-3667.	1.2	48
117	Ultra: A Unique Instrument for Time-Resolved Spectroscopy. <i>Applied Spectroscopy</i> , 2010, 64, 1311-1319.	1.2	173
118	The electrodeposition of copper from supercritical CO <sub>2</sub> /acetonitrile mixtures and from supercritical trifluoromethane. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11744.	1.3	25
119	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
120	Photoinduced N <sub>2</sub> 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
121	Recent advances in organometallic alkane and noble gas complexes. <i>Pure and Applied Chemistry</i> , 2009, 81, 1667-1675.	0.9	22
122	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
123	Continuous Flow Supercritical Chemical Fluid Deposition of Optoelectronic Quality CdS. <i>Advanced Materials</i> , 2009, 21, 4115-4119.	11.1	20
124	Cleaner Continuous Photooxidation Using Singlet Oxygen in Supercritical Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5322-5325.	7.2	86
125	Experimental and Theoretical Investigation into the Formation and Reactivity of M(Cp)(CO) <sub>2</sub> (CO) <sub>2</sub> (M = Mn or Re) in Liquid and Supercritical CO <sub>2</sub> and the Effect of Different CO <sub>2</sub> Coordination Modes on Reaction Rates with CO, H <sub>2</sub> , and N <sub>2</sub> . <i>Organometallics</i> , 2009, 28, 3113-3122.	1.1	13
126	A Combined Theoretical and Experimental Study on the Role of Spin States in the Chemistry of Fe(CO) <sub>5</sub> Photoproducts. <i>Journal of the American Chemical Society</i> , 2009, 131, 3583-3592.	6.6	117



#	ARTICLE	IF	CITATIONS
127	Unusually Slow Photodissociation of CO from ( $\text{I}^{\text{sup}6\text{/sub}}\text{-C}^{\text{sub}6\text{/sub}}\text{H}^{\text{sub}6\text{/sub}}\text{)Cr(CO)}^{\text{sub}3\text{/sub}}$ (M = Cr or Mo): A Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2009, 28, 1461-1468.	1.1	38
128	A systematic approach to the generation of long-lived metal alkane complexes: combined IR and NMR study of (Tp)Re(CO) <sub>2</sub> (cyclopentane). <i>Chemical Communications</i> , 2009, , 1401.	2.2	27
129	Strategies for cleaner oxidations using photochemically generated singlet oxygen in supercritical carbon dioxide. <i>Green Chemistry</i> , 2009, 11, 1787.	4.6	34
130	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> , 2009, 134, 1265.	1.7	62
131	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
132	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
133	Homogeneous photochemical oxidation via singlet O <sub>2</sub> in supercritical CO <sub>2</sub> . <i>Chemical Communications</i> , 2008, , 4457.	2.2	45
134	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
135	Probing the Solvent Dependent Photophysics of <i>Inorganic Chemistry</i> , 2008, 47, 9857-9869.	1.9	57
136	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.	1.1	29
137	Photoinduced Se-C Insertion Following Photolysis of ( $\text{I}^{\text{sup}5\text{/sub}}\text{-C}^{\text{sub}4\text{/sub}}\text{H}^{\text{sub}4\text{/sub}}\text{Se)Cr(CO)}^{\text{sub}3\text{/sub}}$ . A Picosecond and Nanosecond Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2008, 27, 3671-3680.	1.1	25
138	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
139	A delicate balance of complexation vs. activation of alkanes interacting with [Re(Cp)(CO)(PF <sub>3</sub> )] 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
140	Time-resolved infrared (TRIR) study on the formation and reactivity of organometallic methane and ethane complexes in room temperature solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6933-6938.	3.3	57
141	Probing intraligand and charge transfer excited states of fac-[Re(R)(CO) <sub>3</sub> (CO <sub>2</sub> Et-dppz)] <sup>+</sup> (R = py, Tj) by time-resolved infrared spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1158.	1.6	26
142	Probing the Excited States of d <sub>6</sub> 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
143	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
144	Solvent dependent photophysics of fac-[Re(CO) <sub>3</sub> (11,12-X <sub>2</sub> dppz)(py)] <sup>+</sup> (X = H, F or Me). <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 741.	1.6	31

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	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
148	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
149	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
150	Sensing the Critical Point of High-Pressure Mixtures. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5192-5195.	7.2	11
151	Picosecond time-resolved infrared investigation into the nature of the lowest excited state of fac-[Re(Cl)(CO) <sub>3</sub> (CO <sub>2</sub> Et-dppz)] (CO <sub>2</sub> Et-dppz = dipyrido[3,2a:2'c,3'c]phenazine-11-carboxylic ethyl ester). <i>Vibrational Spectroscopy</i> , 2004, 35, 219-223.	1.2	22
152	Unraveling the Photochemistry of Fe(CO) <sub>5</sub> in Solution: Observation of Fe(CO) <sub>3</sub> and the Conversion between 3Fe(CO) <sub>4</sub> and 1Fe(CO) <sub>4</sub> (Solvent). <i>Journal of the American Chemical Society</i> , 2004, 126, 10713-10720.	6.6	65
153	EDF2: A Density Functional for Predicting Molecular Vibrational Frequencies. <i>Australian Journal of Chemistry</i> , 2004, 57, 365.	0.5	139
154	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1870-1874.	1.6	9
155	Study of the reaction of Rh(acac)(CO) <sub>2</sub> with alkenes in polyethylene films under high-pressure hydrogen and the Rh-catalysed hydrogenation of alkenes. <i>Journal of Organometallic Chemistry</i> , 2003, 678, 128-133.	0.8	23
156	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
157	The photophysics of fac-[Re(CO) <sub>3</sub> (dppz)(py)] <sup>+</sup> in CH <sub>3</sub> 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
158	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
159	Lanthanide complexes of iminocarboxylate ligands derived from 1,4,7-triazacyclononane: structural characterisation and relaxivity of the Gd(III) and luminescence of the Eu(III) complexes Electronic supplementary information (ESI) available: <sup>1</sup> H NMR spectra of [Y(L1)(CH <sub>3</sub> CO <sub>2</sub> )] (6) in D <sub>2</sub> O at 298 K and <sup>1</sup> H NMR data on acid-catalysed hydrolysis of [La(L)] (5) in D <sub>2</sub> O (pD = 4.4). See <a href="http://www.rsc.org/condensed_matter/2003/16001700">http://www.rsc.org/condensed_matter/2003/16001700</a>	1.6	9
160	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.. <i>Dalton Transactions</i> , 2003, , 3996.	1.6	73
161	Do early and late transition metal noble gas complexes react by different mechanisms? A room temperature time-resolved infrared study of (i-5-C <sub>5</sub> R <sub>5</sub> )Rh(CO) <sub>2</sub> (R = H or Me) in supercritical noble gas solution at room temperature. <i>Dalton Transactions</i> , 2003, , 1773-1778.	1.6	10
162	The photochemistry of (CO) <sub>4</sub> Mn(μ-1,3-1,6-C <sub>3</sub> H <sub>4</sub> C <sub>6</sub> H <sub>5</sub> )Cr(CO) <sub>3</sub> in frozen gas matrices at ca. 12 K. <i>Dalton Transactions</i> , 2003, , 1545-1550.	1.6	3

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Picosecond time-resolved infrared spectroscopic investigation of excited state dynamics in a PtII diimine chromophore. <i>Chemical Communications</i> , 2002, , 382-383.	2.2	21
166	Revealing the photophysics of fac-[(dppz-12-NO <sub>2</sub> )Re(CO) <sub>3</sub> (4-Me <sub>2</sub> Npy)] <sup>+</sup> : a picosecond time-resolved IR study Electronic supplementary information (ESI) available: synthetic procedures, product characterization and brief description of ps-TSIR experiments. See <a href="http://www.rsc.org/suppdata/cc/b2/b200586g/">http://www.rsc.org/suppdata/cc/b2/b200586g/</a> . <i>Chemical Communications</i> , 2002, , 872-873.	2.2	19
167	Early photochemical dynamics of organometallic compounds studied by ultrafast time-resolved spectroscopic techniques Based on the presentation given at Dalton Discussion No. 4, 10 <sup>th</sup> 13th January 2002, Kloster Banz, Germany.. <i>Dalton Transactions RSC</i> , 2002, , 701-712.	2.3	56
168	How Does the Critical Point Change during a Chemical Reaction in Supercritical Fluids? A Study of the Hydroformylation of Propene in Supercritical CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2001, 123, 3661-3670.	6.6	107
169	A time-resolved infrared spectroscopic study of [M(SnR <sub>3</sub> ) <sub>2</sub> (CO) <sub>2</sub> ( $\pm$ -diimine)] (M = Ru, Os; R = Ph, Me): evidence of charge redistribution in the lowest-excited state. <i>Dalton Transactions RSC</i> , 2001, , 2587-2592.	2.3	16
170	An investigation into the photochemical reactions of MCp(CO) <sub>4</sub> (Cp = $\eta$ -5-C <sub>5</sub> H <sub>5</sub> ) and M( $\eta$ -5-C <sub>9</sub> H <sub>7</sub> )(CO) <sub>4</sub> ( $\eta$ -5-C <sub>9</sub> H <sub>7</sub> = indenyl; M = Nb or Ta) with CO, H <sub>2</sub> and N <sub>2</sub> in solution at room temperature. <i>Dalton Transactions RSC</i> , 2001, , 1711-1717.	2.3	12
171	Derivatives of the [Ru(bipy)(CN) <sub>4</sub> ] <sup>2-</sup> chromophore with pendant pyridyl-based binding sites: synthesis, pH dependent-luminescence, and time-resolved infrared spectroscopic studies. <i>Dalton Transactions RSC</i> , 2001, , 3312-3319.	2.3	23
172	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
173	Photophysics of Diimine Platinum(II) Bis-Acetylide Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 4053-4062.	1.9	330
174	Photochemistry of [CpMo(CO) <sub>3</sub> ] <sub>2</sub> (Cp = $\eta$ -5-C <sub>5</sub> H <sub>5</sub> ) and [Cp*Fe(CO) <sub>2</sub> ] <sub>2</sub> (Cp* = $\eta$ -5-C <sub>5</sub> Me <sub>5</sub> ) in Supercritical CO <sub>2</sub> : A Fast Time-Resolved Infrared Spectroscopic Study. <i>Organometallics</i> , 2001, 20, 1515-1520.	1.1	17
175	Organometallic alkane and noble-gas complexes in conventional and supercritical fluids. <i>Pure and Applied Chemistry</i> , 2001, 73, 443-447.	0.9	38
176	An investigation into the photochemical reactions of M( $\eta$ -5-C <sub>5</sub> H <sub>5</sub> )(CO) <sub>4</sub> and M( $\eta$ -5-C <sub>9</sub> H <sub>7</sub> )(CO) <sub>4</sub> (M = Nb or Ta) in solution at room temperature. <i>Dalton Transactions RSC</i> , 2000, , 4534-4541.	2.3	9
177	Investigation into the reactivity of M( $\eta$ -5-C <sub>5</sub> R <sub>5</sub> )(CO) <sub>2</sub> (alkane) (M = Mn or Re; R = H, Me or Ph;) in solution at room temperature. <i>Dalton Transactions RSC</i> , 2000, , 1901-1906.	2.3	52
178	The characterisation and reactivity of ( $\eta$ -5-C <sub>5</sub> H <sub>5</sub> )M(CO) <sub>3</sub> (Xe) (M = Nb or Ta) in solution at room temperature. <i>Chemical Communications</i> , 2000, , 1841-1842.	2.2	18
179	Two photochemical pathways in competition: matrix isolation, time-resolved and NMR studies of cis-[Ru(PMe <sub>3</sub> ) <sub>4</sub> (H) <sub>2</sub> ]. <i>Chemical Communications</i> , 2000, , 1175-1176.	2.2	18
180	An Investigation into the Reactivity of Organometallic Noble Gas Complexes: 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

#	ARTICLE	IF	CITATIONS
181	Time-Resolved Infrared Spectroscopy in Supercritical Fluids. <i>Laser Chemistry</i> , 1999, 19, 133-139.	0.5	2
182	Supercritical fluids: Clean solvents for green chemistry. <i>Chinese Journal of Chemistry</i> , 1999, 17, 212-222.	2.6	23
183	Chemistry of Reactive Organometallic Compounds at Low Temperatures and High Pressures: Reactions of $M(\text{CO})_6$ ( $M = \text{Cr, Mo, W}$ ), $(\eta\text{-C}_6\text{H}_3\text{Me}_3)\text{M}(\text{CO})_3$ ( $M = \text{Cr and Mo}$ ), and $\text{W}(\text{CO})_5\text{CS}$ with $\text{H}_2$ and $\text{N}_2$ in Polyethylene Matrices. <i>Organometallics</i> , 1998, 17, 2730-2737.	1.1	38
184	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
185	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
186	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
187	Remarkable Stability of $(\eta\text{-C}_5\text{H}_5)\text{Re}(\text{CO})_2\text{L}$ ( $\text{L} = n\text{-Heptane, Xe, and Kr}$ ): A Time-Resolved Infrared Spectroscopic Study of $(\eta\text{-C}_5\text{H}_5)\text{Re}(\text{CO})_3$ in Conventional and Supercritical Fluid Solution. <i>Journal of the American Chemical Society</i> , 1997, 119, 7521-7525.	6.6	123
188	Unusual Structure and Reactivity of the Photogenerated Intermediate $\text{Cp}^*\text{Cr}(\eta\text{-C}_4\text{-CO})_3\text{CrCp}^*$ ( $\text{Cp}^* = \text{C}_5\text{Me}_5$ ). <i>Journal of the American Chemical Society</i> , 1997, 119, 1071-1075.	9.1	18
189	Electrocatalytic Reduction of $\text{CO}_2$ Using the Complexes $[\text{Re}(\text{bpy})(\text{CO})_3\text{L}]_n$ ( $n = +1, \text{L} = \text{P}(\text{OEt})_3, \text{CH}_3\text{CN}; n = 0$ ). <i>Journal of the American Chemical Society</i> , 1996, 118, 7843-7849.	1.1	291
190	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 $\text{M}(\text{CO})_6$ ( $M = \text{Cr, Mo, W}$ ). <i>Journal of the American Chemical Society</i> , 1996, 118, 10525-10532.	6.8	87
191	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.	1.1	31
192	A Combined Spectroscopic, Photophysical and Theoretical (DFT) Study of the Electronically Excited Inorganometallic Complexes $[\text{Ru}(\text{E})(\text{E}^{\text{DAB}})(\text{CO})_2]_n$ ( $\text{E} = \text{Et}, \text{Me}, \text{SnPh}_3$ ). <i>Journal of the American Chemical Society</i> , 1996, 118, 53-60.	1.7	53
193	Energetics of the Reactions of $(\eta\text{-C}_6\text{H}_6)\text{Cr}(\text{CO})_3$ with $n\text{-Heptane, N}_2$ , and $\text{H}_2$ Studied by High-Pressure Photoacoustic Calorimetry. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19425-19429.	2.9	23
194	UV Photochemistry of $[\text{CpFe}(\text{CO})_2]_2(\text{Cp} = \eta\text{-C}_5\text{H}_5)$ Studied by Picosecond Time-Resolved Infrared Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 201-206.	2.9	49
195	Time-Resolved Absorption, Infrared, and Resonance Raman Spectra of the Complexes $[\text{Ru}(\text{X})(\text{R})(\text{CO})_2(\text{DAB})]$ ( $\text{X} = \text{Halide}; \text{R} = \text{Alkyl}$ ): Influence of X on the Charge Transfer Character of the Lowest Excited State. <i>Journal of the American Chemical Society</i> , 1995, 117, 5579-5585.	6.6	58
196	Excited-state properties of $[(\text{OC})_5\text{W}(\text{L})\text{W}(\text{CO})_5]$ [ $\text{L} = 4,4'$ -bipyridyl (4,4'-bipy) or pyrazine] and $[(\text{OC})_5\text{W}(4,4'\text{-bipy})]$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2711-2718.	1.1	19
197	Organometallic photochemistry in supercritical fluids: Reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen. <i>Journal of Organometallic Chemistry</i> , 1994, 484, 129-135.	0.8	21
198	Nanosecond Time-Resolved Infrared Spectroscopy with a Dispersive Scanning Spectrometer. <i>Applied Spectroscopy</i> , 1994, 48, 684-690.	1.2	129

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	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
202	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
203	Infrared spectroscopic study of the photochemical substitution and oxidative addition reactions of (.eta.5-C5R5)M(CO)4 compounds of group 5 metals: characterization of the products of reaction with nitrogen, hydrogen and HSiEt3-xClx and the kinetic investigation of (.eta.5-C5R5)M(CO)3 intermediates. <i>Journal of the American Chemical Society</i> , 1993, 115, 2286-2299.	6.6	65
204	Time-resolved IR study of the photobehavior of 4-acetylpyridine pentacarbonyltungsten. <i>Inorganic Chemistry</i> , 1993, 32, 4226-4229.	1.9	17
205	The Infrared Spectra of Triplet 4-Phenylbenzophenone. <i>Chemistry Letters</i> , 1993, 22, 873-876.	0.7	15
206	Photochemical substitution reactions of dinuclear iron complex [CpFe(CO)2]2 (Cp = .eta.5-C5H5) in hydrocarbon and tetrahydrofuran solution at room temperature: a mechanistic study with time-resolved infrared spectroscopy. <i>Journal of the American Chemical Society</i> , 1992, 114, 1719-1729.	6.6	57
207	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
208	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
209	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