Michael W George

List of Publications by Year
in descending order

209 papers	8,135 citations	41344 49 h-index	71685 76 g-index
211 all docs	211 docs citations	211 times ranked	7212 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. Chemical Communications, 2022, 58, 1546-1549.	4.1	2
2	Selective photoinduced charge separation in perylenediimide-pillar[5]arene rotaxanes. Nature Communications, 2022, 13, 415.	12.8	15
3	High Yielding Continuous-Flow Synthesis of Norketamine. Organic Process Research and Development, 2022, 26, 1145-1151.	2.7	5
4	Self-Optimization of Continuous Flow Electrochemical Synthesis Using Fourier Transform Infrared Spectroscopy and Gas Chromatography. Applied Spectroscopy, 2022, 76, 38-50.	2.2	9
5	Telescoped Continuous Flow Synthesis of 2-Substituted 1,4-Benzoquinones via Oxidative Dearomatisation of para-Substituted Phenols Using Singlet Oxygen in Supercritical CO2. Synthesis, 2022, 54, 3651-3657.	2.3	4
6	Photochemistry of transition metal carbonyls. Chemical Society Reviews, 2022, 51, 5300-5329.	38.1	17
7	Two chemically distinct root lignin barriers control solute and water balance. Nature Communications, 2021, 12, 2320.	12.8	48
8	Multigram Synthesis of Trioxanes Enabled by a Supercritical CO₂ Integrated Flow Process. Organic Process Research and Development, 2021, 25, 1873-1881.	2.7	10
9	Excited-State Switching in Rhenium(I) Bipyridyl Complexes with Donorâ€“Donor and Donorâ€“Acceptor Substituents. Journal of the American Chemical Society, 2021, 143, 9082-9093.	13.7	19
10	A Continuous-Flow Electrochemical Taylor Vortex Reactor: A Laboratory-Scale High-Throughput Flow Reactor with Enhanced Mixing for Scalable Electrosynthesis. Organic Process Research and Development, 2021, 25, 1619-1627.	2.7	16
11	Integrated Multistep Photochemical and Thermal Continuous Flow Reactions: Production of Bicyclic Lactones with Kilogram Productivity. Organic Process Research and Development, 2021, 25, 2052-2059.	2.7	3
12	Highly Ordered BN_{âŠ¥}â€“BN_{âŠ¥} Stacking Structure for Improved Thermally Conductive Polymer Composites. Advanced Electronic Materials, 2020, 6, 2000627.	5.1	25
13	Porous Metalâ€“Organic Polyhedra: Morphology, Porosity, and Guest Binding. Inorganic Chemistry, 2020, 59, 15646-15658.	4.0	16
14	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
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. Chemical Science, 2020, 11, 8600-8609.	7.4	16
16	Mechanistic and Experimental Study of the Formation of MoS₂/HKUST-1 Coreâ€“Shell Composites on MoS₂ Quantum Dots with an Enhanced CO₂ Adsorption Capacity. Industrial & Engineering Chemistry Research, 2020, 59, 5808-5817.	3.7	12
17	Influence of molecular design on radical spin multiplicity: characterisation of BODIPY dyad and triad radical anions. Physical Chemistry Chemical Physics, 2020, 22, 4429-4438.	2.8	2
18	Scalable Continuous Vortex Reactor for Gram to Kilo Scale for UV and Visible Photochemistry. Organic Process Research and Development, 2020, 24, 201-206.	2.7	43

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19	Direct Zâ€Scheme Heterojunction of SnS₂/Sulfurâ€Bridged Covalent Triazine Frameworks for Visibleâ€Lightâ€Driven CO₂Photoreduction. ChemSusChem, 2020, 13, 6278-6283.	6.8	48
20	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). Vibrational Spectroscopy, 2020, 108, 103053.	2.2	3
21	Generation of Microsecond Charge-Separated Excited States in Rhenium(I) Diimine Complexes: Driving Force Is the Dominant Factor in Controlling Lifetime. Inorganic Chemistry, 2019, 58, 9785-9795.	4.0	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. Journal of the American Chemical Society, 2019, 141, 11471-11480.	13.7	25
23	A scaled CIS(D) based method for the calculation of valence and core electron ionization energies. Journal of Chemical Physics, 2019, 151, 034104.	3.0	10
24	Structure and Dynamics of Iron Pentacarbonyl. Organometallics, 2019, 38, 4288-4297.	2.3	24
25	In Situ Sulfidation of Pd/C: A Straightforward Method for Chemoselective Conjugate Reduction by Continuous Hydrogenation. ACS Sustainable Chemistry and Engineering, 2019, 7, 16814-16819.	6.7	3
26	Electronically excited state geometries and vibrational frequencies calculated using the algebraic diagrammatic construction scheme for the polarization propagator. Chemical Physics Letters, 2019, 726, 62-68.	2.6	3
27	The effect of coordination of alkanes, Xe and CO₂ (Î·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. Faraday Discussions, 2019, 220, 86-104.	3.2	7
28	Photophysical and electrochemical properties of [Re(CO)3Cl(NN)] (NN = dppp3, dppp2, dppp2Br) complexes functionalised with pendant pyridyl ligands. Vibrational Spectroscopy, 2019, 100, 86-92.	2.2	0
29	A comparative study of mechanisms of the adsorption of CO₂ confined within grapheneâ€"MoS₂ nanosheets: a DFT trend study. Nanoscale Advances, 2019, 1, 1442-1451.	4.6	22
30	Competing Pathways in the Photochemistry of Ru(H)₂(CO)(PPh₃)₃. Organometallics, 2018, 37, 855-868.	2.3	8
31	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
32	Density functional theory study of the adsorption of elemental mercury on a 1T-MoS2 monolayer. Journal of Zhejiang University: Science A, 2018, 19, 60-67.	2.4	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 CO2 as solvents. Tetrahedron, 2018, 74, 3107-3112.	1.9	12
34	Probing the Carbonâ€"Hydrogen Activation of Alkanes Following Photolysis of Tpâ€²Rh(CNR)(carbodiimide): A Computational and Time-Resolved Infrared Spectroscopic Study. Journal of the American Chemical Society, 2018, 140, 1842-1854.	13.7	27
35	Photooxidation of Fulvenes in a Continuous Flow Photoreactor using Carbon Dioxide as a Solvent. ChemPhotoChem, 2018, 2, 580-585.	3.0	9
36	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

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37	Dramatic Alteration of ³ILCT 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.	13.7	49
38	Pressure-Drop Method for Detecting Bubble and Dew Points of Multicomponent Mixtures at Temperatures of up to 573 K. Journal of Chemical & Engineering Data, 2018, 63, 935-942.	1.9	0
39	UV PhotoVap: Demonstrating How a Simple and Versatile Reactor Based on a Conventional Rotary Evaporator Can Be Used for UV Photochemistry. Organic Process Research and Development, 2018, 22, 595-599.	2.7	14
40	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. Physical Chemistry Chemical Physics, 2018, 20, 752-764.	2.8	30
41	A combined time-resolved infrared and density functional theory study of the lowest excited states of 9-fluorenone and 2-naphthaldehyde. Chemical Physics, 2018, 512, 44-52.	1.9	9
42	A New Approach to Sustainability: A Moore's Law for Chemistry. Angewandte Chemie - International Edition, 2018, 57, 12590-12591.	13.8	21
43	Photooxidation of Fulvenes in a Continuous Flow Photoreactor using Carbon Dioxide as a Solvent. ChemPhotoChem, 2018, 2, 509-509.	3.0	1
44	Ein neuer Blick auf Nachhaltigkeit: ein Mooresches Gesetz fÃ¼r die Chemie. Angewandte Chemie, 2018, 130, 12770-12771.	2.0	4
45	Reversible adsorption of nitrogen dioxide within a robust porous metalâ€“organic framework. Nature Materials, 2018, 17, 691-696.	27.5	162
46	Investigating interfacial electron transfer in dye-sensitized NiO using vibrational spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 7877-7885.	2.8	23
47	Photoaquation Mechanism of Hexacyanoferrate(II) Ions: Ultrafast 2D UV and Transient Visible and IR Spectroscopies. Journal of the American Chemical Society, 2017, 139, 7335-7347.	13.7	43
48	Continuous niobium phosphate catalysed Skraup reaction for quinoline synthesis from solketal. Green Chemistry, 2017, 19, 2439-2447.	9.0	34
49	Kohn-Sham density functional theory calculations of non-resonant and resonant x-ray emission spectroscopy. Journal of Chemical Physics, 2017, 146, .	3.0	29
50	Probing the use of long lived intra-ligand Ï€â€“Ï€* excited states for photocatalytic systems: A study of the photophysics and photochemistry of [ReCl(CO)3(dppz-(CH3)2)]. Polyhedron, 2017, 123, 259-264.	2.2	5
51	The phase equilibrium and density studies of the ternary mixtures of CO 2 + Ar + N 2 and CO 2 + Ar + H 2 , systems relevance to CCS technology. International Journal of Greenhouse Gas Control, 2017, 56, 55-66.	4.6	17
52	Photochemistry of framework-supported M(diimine)(CO) ₃ X complexes in three-dimensional lithium carboxylate metalâ€“organic frameworks: monitoring the effect of framework cations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160033.	3.4	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 photodecarboxlyative cyclisation. Green Chemistry, 2017, 19, 1431-1438.	9.0	23
54	Alteration of Intraligand Donorâ€“Acceptor Interactions Through Torsional Connectivity in Substituted Re-dppz Complexes. Inorganic Chemistry, 2017, 56, 12967-12977.	4.0	16

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55	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
56	Continuous N-alkylation reactions of amino alcohols using Î³-Al₂O₃ and supercritical CO₂: unexpected formation of cyclic ureas and urethanes by reaction with CO₂. Beilstein Journal of Organic Chemistry, 2017, 13, 329-337.	2.2	19
57	Can aliphatic anchoring groups be utilised with dyes for p-type dye sensitized solar cells?. Dalton Transactions, 2016, 45, 7708-7719.	3.3	24
58	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Mainâ€Group Materials. Chemistry - A European Journal, 2016, 22, 302-309.	3.3	17
59	Long-Lived Charge Transfer Excited States in HBC-Polypyridyl Complex Hybrids. Inorganic Chemistry, 2016, 55, 4710-4719.	4.0	19
60	A Simple and Versatile Reactor for Photochemistry. Organic Process Research and Development, 2016, 20, 1792-1798.	2.7	45
61	Excited States of Triphenylamine-Substituted 2-Pyridyl-1,2,3-triazole Complexes. Inorganic Chemistry, 2016, 55, 12238-12253.	4.0	28
62	Phase behaviour and conductivity of supporting electrolytes in supercritical difluoromethane and 1,1-difluoroethane. Physical Chemistry Chemical Physics, 2016, 18, 14359-14369.	2.8	8
63	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
64	A synthetic-dynamic method for water solubility measurements in high pressure CO 2 using ATRâ€"FTIR spectroscopy. Journal of Chemical Thermodynamics, 2016, 93, 386-391.	2.0	9
65	Synthesis and Photophysical Study of a [NiFe] Hydrogenase Biomimetic Compound Covalently Linked to a Re-diimine Photosensitizer. Inorganic Chemistry, 2016, 55, 527-536.	4.0	20
66	Probing Organometallic Reactions by Time-Resolved Infrared Spectroscopy in Solution and in the Solid State Using Quantum Cascade Lasers. Applied Spectroscopy, 2015, 69, 519-524.	2.2	12
67	Automated Serendipity with Selfâ€Optimizing Continuousâ€Flow Reactors. European Journal of Organic Chemistry, 2015, 2015, 6141-6145.	2.4	42
68	Detection of Ï*f*-alkane complexes of manganese by NMR and IR spectroscopy in solution: (Î·⁵-C₅H₅)Mn(CO)₂(ethane) and (Î·⁵-C₅H₅)Mn(CO)₂(isopentane). Chemical Science, 2015, 6, 418-424.	7.4	28
69	Photocatalytic hydroxylation of arylboronic acids using continuous flow reactors. RSC Advances, 2015, 5, 6501-6504.	3.6	34
70	Understanding the solubility of water in carbon capture and storage mixtures: An FTIR spectroscopic study of H2O+CO2+N2 ternary mixtures. International Journal of Greenhouse Gas Control, 2015, 35, 131-137.	4.6	22
71	Measurement of the vapourâ€"liquid equilibrium of binary and ternary mixtures of CO2, N2 and H2, systems which are of relevance to CCS technology. International Journal of Greenhouse Gas Control, 2015, 41, 68-81.	4.6	28
72	Applying green chemistry to the photochemical route to artemisinin. Nature Chemistry, 2015, 7, 489-495.	13.6	140

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73	Calculating singlet excited states: Comparison with fast time-resolved infrared spectroscopy of coumarins. Journal of Chemical Physics, 2015, 142, 154119.	3.0	14
74	Comparison of rheniumâ€"porphyrin dyads for CO₂ photoreduction: photocatalytic studies and charge separation dynamics studied by time-resolved IR spectroscopy. Chemical Science, 2015, 6, 6847-6864.	7.4	81
75	Nature of Excited States of Ruthenium-Based Solar Cell Dyes in Solution: A Comprehensive Spectroscopic Study. Inorganic Chemistry, 2015, 54, 11697-11708.	4.0	15
76	Remote-controlled experiments with cloud chemistry. Nature Chemistry, 2015, 7, 1-5.	13.6	96
77	Study of picosecond processes of an intercalated dipyridophenazine Cr(<scp>iii</scp>) complex bound to defined sequence DNAs using transient absorption and time-resolved infrared methods. Dalton Transactions, 2014, 43, 17606-17609.	3.3	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. Review of Scientific Instruments, 2014, 85, 085110.	1.3	7
79	Dual Charge-Transfer in Rhenium(I) Thioether Substituted Hexaazanaphthalene Complexes. Inorganic Chemistry, 2014, 53, 13049-13060.	4.0	19
80	Photophysics and electrochemistry of a platinum-acetylide disubstituted perylenediimide. Dalton Transactions, 2014, 43, 85-94.	3.3	35
81	Modification of coordination networks through a photoinduced charge transfer process. Chemical Science, 2014, 5, 539-544.	7.4	28
82	Intraligand Charge-Transfer Excited States in Re(I) Complexes with Donor-Substituted Dipyridophenazine Ligands. Inorganic Chemistry, 2014, 53, 1339-1354.	4.0	61
83	The Electrodeposition of Silver from Supercritical Carbon Dioxide/Acetonitrile. ChemElectroChem, 2014, 1, 187-194.	3.4	19
84	Carbonâ€"Hydrogen Activation of Cycloalkanes by Cyclopentadienylcarbonylrhodiumâ€"A Lifetime Enigma. Journal of the American Chemical Society, 2014, 136, 8614-8625.	13.7	32
85	Red-Absorbing Cationic Acceptor Dyes for Photocathodes in Tandem Solar Cells. Journal of Physical Chemistry C, 2014, 118, 16536-16546.	3.1	51
86	Photochemical Dihydrogen Production Using an Analogue of the Active Site of [NiFe] Hydrogenase. Inorganic Chemistry, 2014, 53, 4430-4439.	4.0	26
87	Re(I) Complexes of Substituted dppz: A Computational and Spectroscopic Study. Inorganic Chemistry, 2014, 53, 3126-3140.	4.0	26
88	Photochemistry in a 3D Metalâ€"Organic Framework (MOF): Monitoring Intermediates and Reactivity of the fac-to-mer Photoisomerization of Re(diimine)(CO)₃Cl Incorporated in a MOF. Inorganic Chemistry, 2014, 53, 2606-2612.	4.0	27
89	New insights into the photochemistry of [CpFe(CO)2]2 using picosecond through microsecond time-resolved infrared spectroscopy (TRIR). Polyhedron, 2014, 72, 130-134.	2.2	7
90	High-Pressureâ€"Low-Temperature Cryostat Designed for Use with Fourier Transform Infrared Spectrometers and Time-Resolved Infrared Spectroscopy. Applied Spectroscopy, 2014, 68, 324-331.	2.2	1

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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.	4.6	40
92	Synthesis of antimalarialtrioxanesvia continuous photo-oxidation with¹O₂in supercritical CO₂. Green Chemistry, 2013, 15, 177-180.	9.0	36
93	Calculating excited state properties using Kohn-Sham density functional theory. Journal of Chemical Physics, 2013, 138, 064101.	3.0	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.	2.2	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.	2.5	42
96	Maximising the efficiency of continuous photo-oxidation with singlet oxygen in supercritical CO2 by use of fluorous biphasic catalysis. Chemical Communications, 2012, 48, 3073.	4.1	46
97	A Combined Theoretical and Experimental Study on the Wavelength-Dependent Photophysics of (Î·⁶-benzene)Mo(CO)₃. Organometallics, 2012, 31, 268-272.	2.3	11
98	Selective CO2 uptake and inverse CO2/C2H2 selectivity in a dynamic bifunctional metalâ€“organic framework. Chemical Science, 2012, 3, 2993.	7.4	117
99	Photochemistry of Cpâ€²Mn(CO)₂(NHC) (Cpâ€² = Î·⁵-C₅H₄Me) Species: Synthesis, Time-Resolved IR Spectroscopy, and DFT Calculations. Organometallics, 2012, 31, 4971-4979.	2.3	21
100	Electrodeposition of germanium from supercritical fluids. Physical Chemistry Chemical Physics, 2012, 14, 1517-1528.	2.8	33
101	Combined experimental and theoretical investigation into Câ€“H activation of cyclic alkanes by Cpâ€²Rh(CO)2 (Cpâ€² = Î·5-C5H5 or Î·5-C5Me5). Dalton Transactions, 2011, 40, 1751.	3.3	18
102	Immobilised photosensitisers for continuous flow reactions of singlet oxygen in supercritical carbon dioxide. Chemical Science, 2011, 2, 1059.	7.4	65
103	Phase behaviour and conductivity study of electrolytes in supercritical hydrofluorocarbons. Physical Chemistry Chemical Physics, 2011, 13, 190-198.	2.8	14
104	Complete Family of Mono-, Bi-, and Trinuclear Re^I(CO)₃Cl Complexes of the Bridging Polypyridyl Ligand 2,3,8,9,14,15-Hexamethyl-5,6,11,12,17,18-hexaazatrinapthalene: Syn/Anti Isomer Separation, Characterization, and Photophysics. Inorganic Chemistry, 2011, 50, 6093-6106.	4.0	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 fac-[Re(CO)3(F2dppz)(py)]+ bound to either [poly(dA-dT)]2 or [poly(dG-dC)]2. Photochemical and Photobiological Sciences, 2011, 10, 1355.	2.9	32
106	Manganese Alkane Complexes: An IR and NMR Spectroscopic Investigation. Journal of the American Chemical Society, 2011, 133, 2303-2310.	13.7	84
107	Could the energy cost of using supercritical fluids be mitigated by using CO2 from carbon capture and storage (CCS)?. Green Chemistry, 2011, 13, 2727.	9.0	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.	2.2	11

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109	Observations of Interfacial Population and Organization of Surfactants with Sum Frequency Generation and Surface Tension. Journal of Physical Chemistry C, 2011, 115, 12064-12067.	3.1	19
110	Transient spectroscopy of dipyridophenazine metal complexes which undergo photo-induced electron transfer with DNA. Coordination Chemistry Reviews, 2011, 255, 2666-2675.	18.8	59
111	Photochemistry and Photophysics of a Pd(II) Metalloporphyrin: Re(I) Tricarbonyl Bipyridine Molecular Dyad and its Activity Toward the Photoreduction of CO₂ to CO. Inorganic Chemistry, 2011, 50, 11877-11889.	4.0	91
112	2,5â€Bis(pâ€Râ€arylethynyl)rhodacyclopentadienes Show Intense Fluorescence: Denying the Presence of a Heavy Atom. Angewandte Chemie - International Edition, 2010, 49, 2349-2353.	13.8	72
113	Photoreactivity examined through incorporation in metalâ˜organic frameworks. Nature Chemistry, 2010, 2, 688-694.	13.6	137
114	Detecting phase transitions in supercritical mixtures: an enabling tool for greener chemical reactions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 2799-2818.	2.1	15
115	Understanding the factors affecting the activation of alkane by Cp ^{â€²} Rh(CO) ₂ (Cp ^{â€²} Â=ÂCp or Cp*). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20178-20183.	7.1	43
116	Infrared Characterization of the Guanine Radical Cation: Finger Printing DNA Damage. Journal of Physical Chemistry B, 2010, 114, 3660-3667.	2.6	48
117	Ultra: A Unique Instrument for Time-Resolved Spectroscopy. Applied Spectroscopy, 2010, 64, 1311-1319.	2.2	173
118	The electrodeposition of copper from supercritical CO2/acetonitrile mixtures and from supercritical trifluoromethane. Physical Chemistry Chemical Physics, 2010, 12, 11744.	2.8	25
119	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
120	Photoinduced N2 loss as a route to long-lived organometallic alkane complexes: A time-resolved IR and NMR study. Chemical Science, 2010, 1, 622.	7.4	44
121	Recent advances in organometallic alkane and noble gas complexes. Pure and Applied Chemistry, 2009, 81, 1667-1675.	1.9	22
122	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
123	Continuous Flow Supercritical Chemical Fluid Deposition of Optoelectronic Quality CdS. Advanced Materials, 2009, 21, 4115-4119.	21.0	20
124	Cleaner Continuous Photoâ€Oxidation Using Singlet Oxygen in Supercritical Carbon Dioxide. Angewandte Chemie - International Edition, 2009, 48, 5322-5325.	13.8	86
125	Experimental and Theoretical Investigation into the Formation and Reactivity of M(Cp)(CO)₂(CO₂) (M = Mn or Re) in Liquid and Supercritical CO₂ and the Effect of Different CO₂ Coordination Modes on Reaction Rates with CO, H₂, and N₂. Organometallics, 2009, 28, 3113-3122.	2.3	13
126	A Combined Theoretical and Experimental Study on the Role of Spin States in the Chemistry of Fe(CO)5 Photoproducts. Journal of the American Chemical Society, 2009, 131, 3583-3592.	13.7	117

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127	Unusually Slow Photodissociation of CO from (Î·⁶-C₆H₆)Cr(CO)₃ (M = Cr or Mo): A Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. Organometallics, 2009, 28, 1461-1468.	2.3	38
128	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
129	Strategies for cleaner oxidations using photochemically generated singlet oxygen in supercritical carbon dioxide. Green Chemistry, 2009, 11, 1787.	9.0	34
130	ps-TRIR covers all the bases â€“ 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
131	Detection of Low Levels of Amorphous Lactose using H/D Exchange and FT-Raman Spectroscopy. Pharmaceutical Research, 2008, 25, 2650-2656.	3.5	17
132	Photooxidation of Guanine by a Ruthenium Dipyridophenazine Complex Intercalated in a Doubleâ€Stranded Polynucleotide Monitored Directly by Picosecond Visible and Infrared Transient Absorption Spectroscopy. Chemistry - A European Journal, 2008, 14, 369-375.	3.3	95
133	Homogeneous photochemical oxidation via singlet O2 in supercritical CO2. Chemical Communications, 2008, , 4457.	4.1	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. Inorganic Chemistry, 2008, 47, 5071-5078.	4.0	39
135	Probing the Solvent Dependent Photophysics of Inorganic Chemistry, 2008, 47, 9857-9869.	4.0	57
136	Probing the Mechanism of Carbonâ^'Hydrogen Bond Activation by Photochemically Generated Hydridotris(pyrazolyl)borato Carbonyl Rhodium Complexes: New Experimental and Theoretical Investigations. Organometallics, 2008, 27, 189-201.	2.3	29
137	Photoinduced Seâ^'C Insertion Following Photolysis of (Î·⁵-C₄H₄Se)Cr(CO)₃. A Picosecond and Nanosecond Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. Organometallics, 2008, 27, 3671-3680.	2.3	25
138	Cell Design for Picosecond Time-Resolved Infrared Spectroscopy in High-Pressure Liquids and Supercritical Fluids. Applied Spectroscopy, 2008, 62, 24-29.	2.2	6
139	A delicate balance of complexation vs. activation of alkanes interacting with [Re(Cp)(CO)(PF3)] 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
140	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
141	Probing intraligand and charge transfer excited states of fac-[Re(R)(CO)3(CO2Et-dppz)]+ (R = py,) Tj ETQq1 1 0.784314 rgBT /Overlo infrared spectroscopy. Photochemical and Photobiological Sciences, 2007, 6, 1158.	2.9	26
142	Probing the Excited States of d6 Metal Complexes Containing the 2,2â€˜-Bipyrimidine Ligand Using Time-Resolved Infrared Spectroscopy. 1. Mononuclear and Homodinuclear Systems. Inorganic Chemistry, 2007, 46, 3696-3704.	4.0	31
143	Application of transient infrared and near infrared spectroscopy to transition metal complex excited states and intermediates. Coordination Chemistry Reviews, 2007, 251, 492-514.	18.8	102
144	Solvent dependent photophysics of fac-[Re(CO)3(11,12-X2dppz)(py)]+ (X = H, F or Me). Photochemical and Photobiological Sciences, 2007, 6, 741.	2.9	31

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