

# Michael Towrie

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202  
papers

7,130  
citations

45  
h-index

72  
g-index

211  
ext. papers

7,689  
ext. citations

6.7  
avg, IF

5.43  
L-index

#	Paper	IF	Citations
202	Differentiation of bacterial spores via 2D-IR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 249, 119319	4.4	3
201	Detection of Glycine as a Model Protein in Blood Serum Using 2D-IR Spectroscopy. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 920-927	7.8	4
200	Direct Observation of the Microscopic Reverse of the Ubiquitous Concerted Metalation Deprotonation Step in C-H Bond Activation Catalysis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1356-1364	16.4	8
199	Exploiting a Neutral BODIPY Copolymer as an Effective Agent for Photodynamic Antimicrobial Inactivation. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 1550-1557	3.4	3
198	Adenine Radical Cation Formation by a Ligand-Centered Excited State of an Intercalated Chromium Polypyridyl Complex Leads to Enhanced DNA Photo-oxidation. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14766-14779	16.4	6
197	Solvent-Dependent Excited-State Evolution of Prodan Dyes.. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 13858-13867	3.4	1
196	Time-Resolved Temperature-Jump Infrared Spectroscopy at a High Repetition Rate. <i>Applied Spectroscopy</i> , <b>2020</b> , 74, 720-727	3.1	6
195	2D-Infrared Spectroscopy of Proteins in Water: Using the Solvent Thermal Response as an Internal Standard. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 3463-3469	7.8	9
194	The influence of loops on the binding of the [Ru(phen)dppz] light-switch compound to i-motif DNA structures revealed by time-resolved spectroscopy. <i>Chemical Communications</i> , <b>2020</b> , 56, 9703-9706	5.8	3
193	Caught in the Loop: Binding of the [Ru(phen) (dppz)] Light-Switch Compound to Quadruplex DNA in Solution Informed by Time-Resolved Infrared Spectroscopy. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 17103-17109	4.8	5
192	A Time-Resolved Spectroscopic Investigation of a Novel BODIPY Copolymer and Its Potential Use as a Photosensitiser for Hydrogen Evolution. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 584060	5	2
191	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> , <b>2020</b> , 11, 8600-8609	9.4	4
190	Insight into the effects of confined hydrocarbon species on the lifetime of methanol conversion catalysts. <i>Nature Materials</i> , <b>2020</b> , 19, 1081-1087	27	21
189	Time-resolved infra-red spectroscopy reveals competitive water and dinitrogen coordination to a manganese(ii) carbonyl complex. <i>Dalton Transactions</i> , <b>2020</b> , 49, 5463-5470	4.3	3
188	Hole Hopping Across a Protein-Protein Interface. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 1578-1591	3.4	6
187	Measuring proteins in HO with 2D-IR spectroscopy. <i>Chemical Science</i> , <b>2019</b> , 10, 6448-6456	9.4	22
186	Manganese Carbonyl Compounds Reveal Ultrafast MetalSolvent Interactions. <i>Organometallics</i> , <b>2019</b> , 38, 2391-2401	3.8	14

185	Lock-in detection in Raman spectroscopy with charge-shifting CCD for suppression of fast varying backgrounds. <i>Journal of Raman Spectroscopy</i> , <b>2019</b> , 50, 983	2.3	5
184	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> , <b>2019</b> , 141, 11471-11480	16.4	18
183	Monitoring Base-Specific Dynamics during Melting of DNA-Ligand Complexes Using Temperature-Jump Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 6188-6199	3.4	14
182	Uncovering the Early Stages of Domain Melting in Calmodulin with Ultrafast Temperature-Jump Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 8733-8739	3.4	5
181	Insight into the mechanism of CO-release from trypto-CORM using ultra-fast spectroscopy and computational chemistry. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16426-16436	4.3	9
180	The effect of coordination of alkanes, Xe and CO (EOCO) on changes in spin state and reactivity in organometallic chemistry: a combined experimental and theoretical study of the photochemistry of CpMn(CO). <i>Faraday Discussions</i> , <b>2019</b> , 220, 86-104	3.6	6
179	Photophysical and electrochemical properties of [Re(CO)3Cl(NN)] (NN = dppp3, dppp2, dppp2Br) complexes functionalised with pendant pyridyl ligands. <i>Vibrational Spectroscopy</i> , <b>2019</b> , 100, 86-92	2.1	
178	Two Tryptophans Are Better Than One in Accelerating Electron Flow through a Protein. <i>ACS Central Science</i> , <b>2019</b> , 5, 192-200	16.8	21
177	Spectro-electrochemical Studies on [Ru(TAP)(dppz)]-Insights into the Mechanism of its Photosensitized Oxidation of Oligonucleotides. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 663-671	5.1	7
176	Rapid Screening of DNA-Ligand Complexes via 2D-IR Spectroscopy and ANOVA-PCA. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2732-2740	7.8	19
175	Effect of oligomer length on vibrational coupling and energy relaxation in double-stranded DNA. <i>Chemical Physics</i> , <b>2018</b> , 512, 154-164	2.3	10
174	A 100 kHz Pulse Shaping 2D-IR Spectrometer Based on Dual Yb:KGW Amplifiers. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 780-787	2.8	33
173	Vibrational Relaxation and Redistribution Dynamics in Ruthenium(II) Polypyridyl-Based Charge-Transfer Excited States: A Combined Ultrafast Electronic and Infrared Absorption Study. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 7941-7953	2.8	15
172	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> , <b>2018</b> , 512, 44-52	2.3	7
171	Charge-transfer dynamics at the dye-semiconductor interface of photocathodes for solar energy applications. <i>Faraday Discussions</i> , <b>2017</b> , 198, 449-461	3.6	8
170	Investigating interfacial electron transfer in dye-sensitized NiO using vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 7877-7885	3.6	18
169	2D-IR Spectroscopy Shows that Optimized DNA Minor Groove Binding of Hoechst33258 Follows an Induced Fit Model. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 1295-1303	3.4	20
168	Excited-State Properties of Protochlorophyllide Analogues and Implications for Light-Driven Synthesis of Chlorophyll. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 1312-1320	3.4	6

167	Photoaquation Mechanism of Hexacyanoferrate(II) Ions: Ultrafast 2D UV and Transient Visible and IR Spectroscopies. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7335-7347	16.4	32
166	Directing the path of light-induced electron transfer at a molecular fork using vibrational excitation. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1099-1104	17.6	43
165	Inosine Can Increase DNAM Susceptibility to Photo-oxidation by a Ru Complex due to Structural Change in the Minor Groove. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10344-10351	4.8	17
164	Probing the use of long lived intra-ligand $\pi$ excited states for photocatalytic systems: A study of the photophysics and photochemistry of [ReCl(CO) <sub>3</sub> (dppz-(CH <sub>3</sub> ) <sub>2</sub> )]. <i>Polyhedron</i> , <b>2017</b> , 123, 259-264	2.7	5
163	Photochemistry of framework-supported M(diimine)(CO) <sub>3</sub> 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> , <b>2017</b> , 375,	3	9
162	Directly Coupled Versus Spectator Linkers on Diimine Pt Acetylides-Change the Structure, Keep the Function?. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 18239-18251	4.8	2
161	Examining the role of protein structural dynamics in drug resistance in. <i>Chemical Science</i> , <b>2017</b> , 8, 8384-8399	8.4	14
160	Quantifying Secondary Structure Changes in Calmodulin Using 2D-IR Spectroscopy. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10898-10906	7.8	26
159	Photoactivation of the BLUF Protein PixD Probed by the Site-Specific Incorporation of Fluorotyrosine Residues. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14638-14648	16.4	25
158	Ultrafast 2D-IR and optical Kerr effect spectroscopy reveal the impact of duplex melting on the structural dynamics of DNA. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 10333-10342	3.6	21
157	Ultrafast Wiggling and Jiggling: Ir(1,8-diisocyanomenthane). <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 9275-9283	2.8	4
156	Direct observation by time-resolved infrared spectroscopy of the bright and the dark excited states of the [Ru(phen)(dppz)] light-switch compound in solution and when bound to DNA. <i>Chemical Science</i> , <b>2016</b> , 7, 3075-3084	9.4	43
155	A 100 kHz Time-Resolved Multiple-Probe Femtosecond to Second Infrared Absorption Spectrometer. <i>Applied Spectroscopy</i> , <b>2016</b> , 70, 645-53	3.1	50
154	Mechanism of the AppABLUF Photocycle Probed by Site-Specific Incorporation of Fluorotyrosine Residues: Effect of the Y21 pKa on the Forward and Reverse Ground-State Reactions. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 926-935	16.4	17
153	Synthesis and Photophysical Study of a [NiFe] Hydrogenase Biomimetic Compound Covalently Linked to a Re-diimine Photosensitizer. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 527-36	5.1	19
152	Long-Lived Excited-State Dynamics of i-Motif Structures Probed by Time-Resolved Infrared Spectroscopy. <i>ChemPhysChem</i> , <b>2016</b> , 17, 1281-7	3.2	10
151	Can aliphatic anchoring groups be utilised with dyes for p-type dye sensitized solar cells?. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7708-19	4.3	22
150	Long-Range Vibrational Dynamics Are Directed by Watson-Crick Base Pairing in Duplex DNA. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 4009-18	3.4	23

149	Electron-transfer acceleration investigated by time resolved infrared spectroscopy. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 868-76	24.3	42
148	Electron transfer quenching in light adapted and mutant forms of the AppA BLUF domain. <i>Faraday Discussions</i> , <b>2015</b> , 177, 293-311	3.6	9
147	Probing and Exploiting the Interplay between Nuclear and Electronic Motion in Charge Transfer Processes. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 1131-9	24.3	35
146	Monitoring guanine photo-oxidation by enantiomerically resolved Ru(II) dipyridophenazine complexes using inosine-substituted oligonucleotides. <i>Faraday Discussions</i> , <b>2015</b> , 185, 455-69	3.6	12
145	Ultrafast charge transfer dynamics in supramolecular Pt(II) donor-bridge-acceptor assemblies: the effect of vibronic coupling. <i>Faraday Discussions</i> , <b>2015</b> , 185, 69-86	3.6	10
144	Multidimensional infrared spectroscopy reveals the vibrational and solvation dynamics of isoniazid. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212401	3.9	9
143	Calculating singlet excited states: Comparison with fast time-resolved infrared spectroscopy of coumarins. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 154119	3.9	10
142	Monitoring one-electron photo-oxidation of guanine in DNA crystals using ultrafast infrared spectroscopy. <i>Nature Chemistry</i> , <b>2015</b> , 7, 961-7	17.6	55
141	Reversal of a Single Base-Pair Step Controls Guanine Photo-Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8484-8488	3.6	12
140	Electronic Excited States of Tungsten(0) Arylisocyanides. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 8518-28	5.1	27
139	On the mechanism of vibrational control of light-induced charge transfer in donor-bridge-acceptor assemblies. <i>Nature Chemistry</i> , <b>2015</b> , 7, 689-95	17.6	93
138	Vibrational energy transfer dynamics in ruthenium polypyridine transition metal complexes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1688-96	3.6	18
137	The effect on structural and solvent water molecules of substrate binding to ferric horseradish peroxidase. <i>Faraday Discussions</i> , <b>2015</b> , 177, 163-79	3.6	9
136	Ultrafast infrared spectroscopy reveals water-mediated coherent dynamics in an enzyme active site. <i>Chemical Science</i> , <b>2015</b> , 6, 505-516	9.4	29
135	Reversal of a Single Base-Pair Step Controls Guanine Photo-Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8364-8	16.4	29
134	Directly interrogating single quantum dot labelled UvrA2 molecules on DNA tightropes using an optically trapped nanoprobe. <i>Scientific Reports</i> , <b>2015</b> , 5, 18486	4.9	11
133	Excited-State Charge Separation in the Photochemical Mechanism of the Light-Driven Enzyme Protochlorophyllide Oxidoreductase. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1532-1535	3.6	7
132	Enantiomeric Conformation Controls Rate and Yield of Photoinduced Electron Transfer in DNA Sensitized by Ru(II) Dipyridophenazine Complexes. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 734-8	6.4	26

131	UV-induced isomerization dynamics of N-methyl-2-pyridone in solution. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 88-94	2.8	7
130	Excited-state charge separation in the photochemical mechanism of the light-driven enzyme protochlorophyllide oxidoreductase. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1512-5	16.4	33
129	Reaction dynamics. Vibrational relaxation and microsolvation of DF after F-atom reactions in polar solvents. <i>Science</i> , <b>2015</b> , 347, 530-3	33.3	41
128	Electrochemistry, chemical reactivity, and time-resolved infrared spectroscopy of donor-acceptor systems [(Q(x))Pt(pap(y))] (Q = substituted o-quinone or o-iminoquinone; pap = phenylazopyridine). <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1021-31	5.1	29
127	Ultrafast photoinduced charge transport in Pt(II) donor-acceptor assembly bearing naphthalimide electron acceptor and phenothiazine electron donor. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 25773-88	3.6	12
126	Steady-state and pseudo-steady-state photocrystallographic studies on linkage isomers of [Ni(Et <sub>4</sub> dien)( $\eta$ -O,ON)( $\eta$ -NO <sub>2</sub> )]: identification of a new linkage isomer. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 3128-34	4.8	35
125	Electron transfer dynamics and excited state branching in a charge-transfer platinum(II) donor-bridge-acceptor assembly. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17677-93	4.3	33
124	Tracking a Patern $\beta$ reaction in real time using transient electronic and vibrational spectroscopies. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 10240-5	2.8	5
123	Dynamics of photodissociation of XeF <sub>2</sub> in organic solvents. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 16095-102	3.6	8
122	Ultrafast vibrational spectroscopic studies on the photoionization of the $\beta$ -tocopherol analogue trolox C. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 12087-97	3.4	5
121	Picosecond time-resolved infrared spectroscopy of rhodium and iridium azides. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17694-702	4.3	4
120	Transient electronic and vibrational absorption studies of the photo-Claisen and photo-Fries rearrangements. <i>Chemical Science</i> , <b>2014</b> , 5, 707-714	9.4	11
119	Ultrafast Structural Dynamics of BlsA, a Photoreceptor from the Pathogenic Bacterium. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 220-224	6.4	20
118	Dynamics of ground and excited state vibrational relaxation and energy transfer in transition metal carbonyls. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 11781-91	3.4	33
117	Red-Absorbing Cationic Acceptor Dyes for Photocathodes in Tandem Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 16536-16546	3.8	45
116	BLUF domain function does not require a metastable radical intermediate state. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4605-15	16.4	31
115	Photophysics of singlet and triplet intraligand excited states in [ReCl(CO) <sub>3</sub> (1-(2-pyridyl)-imidazo[1,5-b]pyridine)] complexes. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5963-73	16.4	60
114	Direct observation of ultrafast long-range charge separation at polymer-fullerene heterojunctions. <i>Nature Communications</i> , <b>2014</b> , 5, 4288	17.4	133

113	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> , <b>2014</b> , 43, 17606-9	4.3	8
112	Toward control of electron transfer in donor-acceptor molecules by bond-specific infrared excitation. <i>Science</i> , <b>2014</b> , 346, 1492-5	33.3	132
111	Photophysics of threaded sp-carbon chains: the polyene is a sink for singlet and triplet excitation. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 17996-8008	16.4	27
110	Dual charge-transfer in rhenium(I) thioether substituted hexaazanaphthalene complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 13049-60	5.1	18
109	Long-lived excited states in i-motif DNA studied by picosecond time-resolved IR spectroscopy. <i>Chemical Communications</i> , <b>2014</b> , 50, 2990-2	5.8	22
108	Efficient quenching of TGA-capped CdTe quantum dot emission by a surface-coordinated europium(III) cyclen complex. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4133-5	5.1	18
107	Proteins in action: femtosecond to millisecond structural dynamics of a photoactive flavoprotein. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16168-74	16.4	42
106	Tryptophan-accelerated electron flow across a protein-protein interface. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15515-25	16.4	38
105	Protein photochromism observed by ultrafast vibrational spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 11954-9	3.4	17
104	Photoisomerization and photoinduced reactions in liquid CCl <sub>4</sub> and CHCl <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13388-98	2.8	17
103	Dinitrogen release from arylpentazole: a picosecond time-resolved infrared, spectroelectrochemical, and DFT computational study. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 12759-69	2.8	27
102	Infrared spectroscopy of nicotinamide adenine dinucleotides in one and two dimensions. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 16468-78	3.4	8
101	A structural and dynamic investigation of the inhibition of catalase by nitric oxide. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 7778-88	3.9	14
100	Comparing molecular photofragmentation dynamics in the gas and liquid phases. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 6567-82	3.6	62
99	Vibrationally resolved dynamics of the reaction of Cl atoms with 2,3-dimethylbut-2-ene in chlorinated solvents. <i>Chemical Science</i> , <b>2013</b> , 4, 226-237	9.4	17
98	Photoinduced charge separation in a Pt(II) acetylide donor-acceptor triad based on 2-(1-pyrazole)-pyridine modified with naphthalene mono-imide electron acceptor. <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 1331-1348	2.1	10
97	Tracking DNA Excited States by Picosecond-Time-Resolved Infrared Spectroscopy: Signature Band for a Charge-Transfer Excited State in Stacked Adenine-Thymine Systems. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2739-2744	6.4	68
96	Waveguide-enhanced 2D-IR spectroscopy in the gas phase. <i>Optics Letters</i> , <b>2013</b> , 38, 3596-9	3	6

95	Modulation of ligand-heme reactivity by binding pocket residues demonstrated in cytochrome cN over the femtosecond-second temporal range. <i>FEBS Journal</i> , <b>2013</b> , 280, 6070-82	5.7	7
94	Transient IR study of Blue Light Sensing Proteins. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 07009	0.3	
93	The effect of point mutation on the equilibrium structural fluctuations of ferric Myoglobin. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 7411-9	3.6	22
92	Reaction dynamics of CN radicals with tetrahydrofuran in liquid solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10424-37	3.6	20
91	Ultrafast IR spectroscopy of polymeric cytosine nucleic acids reveal the long-lived species is due to a localised state. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6307-11	3.6	11
90	Excited state structure and dynamics of the neutral and anionic flavin radical revealed by ultrafast transient mid-IR to visible spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 5810-8	3.4	28
89	Ultrafast infrared spectral fingerprints of vitamin B12 and related cobalamins. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 5586-94	2.8	31
88	Photofragmentation Dynamics in Solution Probed by Transient IR Absorption Spectroscopy: $\pi$ -Mediated Bond Cleavage in p-Methylthiophenol and p-Methylthioanisole. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 3715-20	6.4	20
87	Vibrational assignment of the ultrafast infrared spectrum of the photoactivatable flavoprotein AppA. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 10722-9	3.4	17
86	Ultrafast intramolecular charge separation in a donor-acceptor assembly comprising bis( $\beta$ -cyclopentadienyl)molybdenum coordinated to an ene-1,2-dithiolate-naphthalenetetracarboxylicdiimide ligand. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 13181-94	5.1	9
85	Time-resolved nanosecond fluorescence lifetime imaging and picosecond infrared spectroscopy of combretastatin A-4 in solution and in cellular systems. <i>Measurement Science and Technology</i> , <b>2012</b> , 23, 084001	2	7
84	Time-resolved multiple probe spectroscopy. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 103107	1.7	61
83	Ultrafast excited-state dynamics of rhenium(I) photosensitizers [Re(Cl)(CO) <sub>3</sub> (N,N)] and [Re(imidazole)(CO) <sub>3</sub> (N,N)] <sup>+</sup> : diimine effects. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 2932-43	5.1	155
82	Photoinduced intramolecular tryptophan oxidation and excited-state behavior of [Re(L-AA)(CO) <sub>3</sub> (diimine)] <sup>+</sup> (L = pyridine or imidazole, AA = tryptophan, tyrosine, phenylalanine). <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6122-34	5.1	34
81	Photoexcitation of the blue light using FAD photoreceptor AppA results in ultrafast changes to the protein matrix. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 16893-900	16.4	43
80	Relationship between protein structural fluctuations and rebinding dynamics in ferric haem nitrosyls. <i>Biochemical Journal</i> , <b>2011</b> , 433, 459-68	3.8	17
79	Phototriggering electron flow through Re(I)-modified <i>Pseudomonas aeruginosa</i> azurins. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5350-61	4.8	48
78	Combined experimental and theoretical investigation into C-H activation of cyclic alkanes by Cp <sup>1</sup> ReH(CO) <sub>2</sub> (Cp <sup>1</sup> = $\beta$ -C <sub>5</sub> H <sub>5</sub> or $\beta$ -C <sub>5</sub> Me <sub>5</sub> ). <i>Dalton Transactions</i> , <b>2011</b> , 40, 1751-7	4.3	17

77	Ultrafast transient mid IR to visible spectroscopy of fully reduced flavins. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17642-8	3.6	17
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