

Conor Long

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75
papers

1,154
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21
h-index

30
g-index

76
ext. papers

1,240
ext. citations

4.7
avg, IF

3.92
L-index

#	Paper	IF	Citations
75	Laser flash photolysis of $M(\text{CO})_6$ ($M = \text{Cr}, \text{Mo}, \text{or W}$) in perfluoromethylcyclohexane. The generation of highly reactive coordinatively unsaturated species. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 3344-3349		78
74	Structure and reactivity of $(\eta^5\text{-C}_5\text{H}_5)\text{Mn}(\text{CO})_2$ in room-temperature solution. Evidence for formation of a dinuclear intermediate detected by flash photolysis and time-resolved infrared spectroscopy. <i>Organometallics</i> , 1987 , 6, 2600-2605	3.8	61
73	Near IR emitting BODIPY fluorophores with mega-Stokes shifts. <i>Chemical Communications</i> , 2012 , 48, 5617-9	5.8	56
72	Preparation, spectroscopic characterization, and photochemical and electrochemical properties of some bis(2,2'-bipyridyl)ruthenium(II) and tetracarbonyltungsten(0) complexes of 6-p-tolyl-2,2'-bipyridyl and of 6-p-styryl-2,2'-bipyridyl and its copolymers. <i>Inorganic Chemistry</i> , 1983 , 22, 2818-2824	5.1	49
71	Laser pulse photolysis and transient infrared investigation into the effect of solvent or substituents (X) on the reactivity of photogenerated benzenechromium $(\eta^6\text{-C}_6\text{H}_6\text{-yXy})\text{Cr}(\text{CO})_2$ intermediates. <i>Organometallics</i> , 1993 , 12, 3127-3131	3.8	48
70	Direct observation by time-resolved infrared spectroscopy of the bright and the dark excited states of the $[\text{Ru}(\text{phen})(\text{dppz})]$ light-switch compound in solution and when bound to DNA. <i>Chemical Science</i> , 2016 , 7, 3075-3084	9.4	43
69	Photochemistry of $(\eta^6\text{-arene})\text{Mo}(\text{CO})_3$ and the Role of Alkane Solvents in Modifying the Reactions of Coordinatively Unsaturated Metal Carbonyl Fragments. <i>Organometallics</i> , 1998 , 17, 3690-3695	3.8	43
68	A new combination of donor and acceptor: bis($\eta^6\text{-benzene}$)chromium and hexafluorobenzene form a charge-transfer stacked crystal. <i>Chemical Communications</i> , 1999 , 1027-1028	5.8	36
67	Unusually Slow Photodissociation of CO from $(\eta^6\text{-C}_6\text{H}_6)\text{Cr}(\text{CO})_3$ ($M = \text{Cr or Mo}$): A Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2009 , 28, 1461-1468	3.8	33
66	Porphyrin-cobaloxime complexes for hydrogen production, a photo- and electrochemical study, coupled with quantum chemical calculations. <i>Dalton Transactions</i> , 2014 , 43, 3576-83	4.3	32
65	A Kinetic Evaluation of Carbon-Hydrogen, Carbon-Carbon, and Carbon-Silicon Bond Activation in Benzylic Radical Cations. <i>Journal of the American Chemical Society</i> , 1998 , 120, 284-297	16.4	31
64	Di-copper metallodrugs promote NCI-60 chemotherapy via singlet oxygen and superoxide production with tandem TA/TA and AT/AT oligonucleotide discrimination. <i>Nucleic Acids Research</i> , 2018 , 46, 2733-2750	20.1	29
63	Reduction of dipyrido-[3,2-a:2',3'-c]-phenazine (dppz) by photolysis in ethanol solution. <i>Chemical Communications</i> , 2005 , 1402-4	5.8	28
62	A phosphate-targeted dinuclear Cu(II) complex combining major groove binding and oxidative DNA cleavage. <i>Nucleic Acids Research</i> , 2018 , 46, 9918-9931	20.1	26
61	Wavelength dependent photocatalytic H ₂ generation using iridium-Pt/Pd complexes. <i>Dalton Transactions</i> , 2012 , 41, 12678-80	4.3	25
60	Photoelectrocatalytic H evolution from integrated photocatalysts adsorbed on NiO. <i>Chemical Science</i> , 2019 , 10, 99-112	9.4	23
59	A photo- and electrochemical investigation of BODIPY-cobaloxime complexes for hydrogen production, coupled with quantum chemical calculations. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5229-36	3.6	23

58	Photoinduced Se π Insertion Following Photolysis of (η -C ₄ H ₄ Se)Cr(CO) ₃ . A Picosecond and Nanosecond Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. <i>Organometallics</i> , 2008 , 27, 3671-3680	3.8	23
57	Synthesis, characterisation and variable-temperature nuclear magnetic resonance of bis(bipyridine)ruthenium complexes containing dihydrazone ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 1577		22
56	Photochemistry of (η -2,6-X ₂ C ₅ H ₃ N)Cr(CO) ₃ (X = H, CH ₃ , (CH ₃) ₃ Si). First Example of a Photoinduced Ring-Slip at an (η -Arene)M(CO) ₃ Center. Molecular Structures of (η -2,6-(CH ₃) ₂ C ₅ H ₃ N)Cr(CO) ₃ and (η -2,6-((CH ₃) ₃ Si) ₂ C ₅ H ₃ N)Cr(CO) ₃ . <i>Organometallics</i> , 1996 , 15, 3679-3687	3.8	21
55	The crystal and molecular structure of [(η -4,4'-dimethyl-2,2'-bipyridyl)bis(pentacarbonylchromium(0))]: the first structural determination of a complex containing a bridging 2,2'-bipyridyl ligand. <i>Inorganica Chimica Acta</i> , 1989 , 157, 151-152	2.7	21
54	Mega-stokes pyrene ceramide conjugates for STED imaging of lipid droplets in live cells. <i>Analyst, The</i> , 2019 , 144, 1608-1621	5	19
53	X-ray Crystallographic and NMR Spectroscopic Study of (η -Alkene)(η -alkyne)pentacarbonyldicobalt Complexes: Arrested Pauson-Khand Reaction Intermediates. <i>Organometallics</i> , 2009 , 28, 6308-6319	3.8	19
52	Photoinduced anionic polymerization of cyanoacrylates using substituted pyridine pentacarbonyl complexes of tungsten or chromium. <i>Polymer</i> , 1997 , 38, 2011-2014	3.9	19
51	Novel acetylene-linked di-cobalt and tetra-cobalt carbonyl clusters. <i>Journal of Organometallic Chemistry</i> , 1999 , 589, 157-167	2.3	19
50	Photochemistry of (η -arene)Cr(CO) ₃ (arene = methylbenzoate, naphthalene, or phenanthrene) in n-heptane solution: population of two excited states following 400 nm excitation as detected by picosecond time-resolved infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 2985-93	2.8	18
49	(μ -4,4'-Dimethyl-2,2'-bipyridine)bis(pentacarbonylchromium): isolation and reactivity of a novel complex relevant to Group 6 metal tetracarbonyl chelate formation. <i>Inorganic Chemistry</i> , 1989 , 28, 2231-2234	5.1	16
48	Excited state dynamics and activation parameters of remarkably slow photoinduced CO loss from (η -benzene)Cr(CO) ₃ in n-heptane solution: a DFT and picosecond-time-resolved infrared study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 11425-31	2.8	15
47	Visible light driven room temperature Pauson-Khand reaction. <i>Dalton Transactions</i> , 2009 , 7885-7	4.3	14
46	Thermally and photochemically induced co-ordination change in ruthenium(II) bis(2,2'-bipyridine) complexes containing pyridyltriazole ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 1177-1183		14
45	Incorporating Cobalt Carbonyl Moieties onto Ethynylthiophene-Based Dithienylcyclopentene Switches. 1. Photochemistry. <i>Organometallics</i> , 2014 , 33, 447-456	3.8	13
44	Photo- and Electrochemical Properties of a CO ₂ Reducing Ruthenium Quaterpyridine-Based Catalyst. <i>ChemPhotoChem</i> , 2018 , 2, 323-331	3.3	12
43	An investigation into the photochemistry of, and the electrochemically induced CO-loss from, [(CO) ₅ MC(OMe)Me] (M = Cr or W) using low-temperature matrix isolation, picosecond infrared spectroscopy, cyclic voltammetry, and time-dependent density functional theory. <i>Dalton Transactions</i> , 2015 , 44, 15424-34	4.3	11
42	A laser flash photolysis, matrix isolation, and DFT investigation of (η -C ₆ H ₅ Y)Cr(CO) ₃ (Y=NH ₂ , OCH ₃ , H, CHO, or CO ₂ CH ₃). <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 2907-2914	2.3	11
41	Incorporating Cobalt Carbonyl Moieties onto Ethynylthiophene-Based Dithienylcyclopentene Switches. 2. Electro- and Spectroelectrochemical Properties. <i>Organometallics</i> , 2014 , 33, 3309-3319	3.8	10

40	Photochemistry of (η -anisole)Cr(CO) ₃ and (η -thioanisole)Cr(CO) ₃ : evidence for a photoinduced haptotropic shift of the thioanisole ligand, a picosecond time-resolved infrared spectroscopy and density functional theory investigation. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 962-9	2.8	10
39	A Combined Theoretical and Experimental Study on the Wavelength-Dependent Photophysics of (η -benzene)Mo(CO) ₃ . <i>Organometallics</i> , 2012 , 31, 268-272	3.8	10
38	Naphthyridyl-Substituted 4,4-Difluoro-4-bora-3a,4a-diaza-s-indacene (BODIPY) Luminophores: Photophysics and Application as Molecular Imaging Probes in Live Cells. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 763-778	3	10
37	Photochemistry of (η -C ₅ H ₅)(η -C ₄ H ₄ N)Fe and (η -C ₅ H ₅)(η -N-C ₄ H ₄ N)Fe(CO) ₂ in Low-Temperature Matrixes and Room-Temperature Solution. Evidence for a Photoinduced Haptotropic Shift of the π -Coordinated Pyrrolyl Ligand. <i>Organometallics</i> , 2000 , 19, 3867-3873	3.8	10
36	Photochemical cis \rightarrow trans Isomerization of cis-(η -1,2-Diphenylethene)Cr(CO) ₃ and the Molecular Structure of trans-(η -1,2-Diphenylethene)Cr(CO) ₃ . <i>Organometallics</i> , 2007 , 26, 4128-4134	3.8	9
35	The photochemistry of (η -RC ₂ H)Co ₂ (CO) ₆ species (R=H or C ₆ H ₅), important intermediates in the Pauson π -hand reaction. <i>Journal of Organometallic Chemistry</i> , 1999 , 588, 195-199	2.3	9
34	Dicarbonyl(methylcyclopentadienyl)manganese complexes of 4-vinylpyridine. <i>Journal of Organometallic Chemistry</i> , 1982 , 231, C9-C11	2.3	9
33	Controlled CO release using photochemical, thermal and electrochemical approaches from the amino carbene complex [(CO) ₂ Cr(CNCH ₂ CH ₂)] <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21230-3	3.6	8
32	Potential energy mapping of the excited-states of (η -arene)Cr(CO) ₃ complexes: the evolution toward CO-loss or haptotropic shift processes. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 6845-50	2.8	8
31	Evidence for cobalt-cobalt bond homolysis and wavelength-dependent CO loss in (η -alkyne)Co ₂ (CO) ₆ complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 10214-6	5.1	8
30	Polypyridyl substituted BODIPY derivatives; water switchable imaging probes that exhibit halogen substituent dependent localisation in live cells. <i>RSC Advances</i> , 2017 , 7, 43743-43754	3.7	7
29	Spectro-electrochemical Studies on [Ru(TAP)(dppz)]-Insights into the Mechanism of its Photosensitized Oxidation of Oligonucleotides. <i>Inorganic Chemistry</i> , 2019 , 58, 663-671	5.1	7
28	Probing the metal-to-ligand charge transfer first excited state in (η -naphthalene)Cr(CO) ₃ and (η -phenanthrene)Cr(CO) ₃ by resonance Raman spectroscopy and density functional theory calculations. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 11641-51	2.8	6
27	The photochemistry of (η -2-R-C ₃ H ₄)Fe(CO)(NO)(X) (R=H or Cl; X=CO or PPh ₃) in room temperature solution or frozen gas matrixes. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 3298-3304 ²⁻³	2.3	6
26	Pentacarbonyl(4-phenylpyridine)tungsten(0) and pentacarbonyl(2-phenylpyridine)chromium(0). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001 , 57, 385-7		6
25	Photochemical transformations of cyclic azimines π -ray crystallographic analysis of intermediates in their sequential phototransformations. <i>Chemical Communications</i> , 1996 , 945-946	5.8	6
24	Preparation, spectroscopic properties, crystal and molecular structure of pentacarbonyl(3-methyl-1-(pyridin-2-yl)-1,2,4-triazole-N ₄)tungsten(0). <i>Inorganica Chimica Acta</i> , 1991 , 180, 195-199	2.7	6
23	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> , 2021 , 143, 14766-14779	16.4	6

22	Excited state evolution towards ligand loss and ligand chelation at group 6 metal carbonyl centres. <i>Dalton Transactions</i> , 2014 , 43, 17797-805	4.3	5
21	Optically induced cis-trans isomerisation of (eta6-cis-stilbene)Cr(CO)3. <i>Dalton Transactions</i> , 2010 , 39, 2201-3	4.3	5
20	(η-C4H4S)Cr(CO)3 and (η-C4H4Se)Cr(CO)3: A DFT Investigation of the Ground-State Singlet and Triplet Surfaces. New Insights into the Mechanism of Cβ or CBe Insertion Reactions. <i>Organometallics</i> , 2009 , 28, 94-99	3.8	5
19	Mathematical model for the measurement of pseudo-first-order rate constants in laser flash photolysis experiments. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990 , 54, 1-10	4.7	5
18	Photophysics of CO Loss from Simple Metal Carbonyl Complexes. <i>Topics in Organometallic Chemistry</i> , 2009 , 159-191	0.6	4
17	A study of the thermal and photochemical reactions of the group 6 metal carbonyls with organic polymer supports. <i>Inorganica Chimica Acta</i> , 1988 , 146, 25-31	2.7	4
16	The crystal and molecular structure of tetracarbonyl(6-p-styryl-2,2'-bipyridyl)tungsten(0). An examination of the affect of a bulky group to one coordinating nitrogen atom in a bidentate ligand. <i>Journal of Organometallic Chemistry</i> , 1984 , 272, 385-390	2.3	4
15	Group via metal pentacarbonyl complexes of 2- and 4-vinylpyridine and their copolymers. preparation, spectroscopic characterisation and photochemical properties. <i>Journal of Organometallic Chemistry</i> , 1982 , 235, 315-326	2.3	4
14	Matrix effects and their role in the low-temperature photochemistry of (η-Aniline)Cr(CO)3. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 1634-1640	2.3	3
13	Explaining the role of water in the light-switch probe for DNA intercalation: Modelling water loss from [Ru(phen)2(dppz)]2+·nH2O using DFT and TD-DFT methods. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 410, 113169	4.7	3
12	Photochemical or electrochemical bond breaking - exploring the chemistry of (η-alkyne)Co(CO) complexes using time-resolved infrared spectroscopy, spectro-electrochemical and density functional methods. <i>Dalton Transactions</i> , 2019 , 48, 14642-14652	4.3	2
11	Photo-activated CO-release in the amino tungsten Fischer carbene complex, [(CO)WC(NCH)Me], picosecond time resolved infrared spectroscopy, time-dependent density functional theory, and an antimicrobial study. <i>Journal of Inorganic Biochemistry</i> , 2020 , 208, 111071	4.2	2
10	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> , 2020 , 8, 584060	5	2
9	2-Benzoylspiro[1H-isoindole-1,3'-isochromene]-1',3,4'(2H,3'H)-trione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004 , 60, o2025-o2028		1
8	Dicarbonyl(η-cis-cyclooctene)(η-methylcyclopentadienyl)manganese(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, m676-m678		1
7	(1RS,2SR,7RS,8RS)-N-Benzoyltricyclo[6.2.2.0(2,7)]dodeca-9,11-diene-1,10-dicarboximide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o547-o549		1
6	Characterisation of photochemically formed reactive species from kinetic and thermodynamic data using UV-Vis. Laser flash photolysis, Time resolved IR and matrix isolation techniques. <i>Spectroscopic Properties of Inorganic and Organometallic Compounds</i> , 244-271		
5	Dicarbonyl(η-methylcyclopentadienyl){η-[tricarbonyl(η-styrene)chromium(0)]}manganese(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, m931-m933		

- 4 The (1*RS*,2*RS*,7*RS*,8*RS*)- and (1*RS*,2*SR*,7*SR*,8*RS*)-diastereoisomers of 8,9,11,12-tetrachloro-*N*-ethyltricyclo[6.2.2.0(2,7)]dodeca-9,11-diene-1,10-dicarboximide. *Acta Crystallographica Section C: Crystal Structure Communications*, **2005**, 61, o369-72
- 3 4?,5?,6?,7?-Tetrachlorospiro[cyclohex-2-ene-1,2?-indan]-1?,3?-dione. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o1904-o1906
- 2 (S)-*N*-(1-Benzyl-2-hydroxyethyl)phthalamic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o2047-o2049
- 1 Benzylammonium 2,4-bis(dicyanomethylene)-2,3-dihydroisoindolide. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o2258-o2260