

Conor Long

List of Publications by Year in descending order

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75
papers

1,364
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331538

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docs citations

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times ranked

1638
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser flash photolysis of M(CO) ₆ (M = Cr, Mo, or W) in perfluoromethylcyclohexane. The generation of highly reactive coordinatively unsaturated species. The Journal of Physical Chemistry, 1983, 87, 3344-3349.	2.9	81
2	Structure and reactivity of (η ⁵ -C ₅ H ₅)Mn(CO) ₂ in room-temperature solution. Evidence for formation of a dinuclear intermediate detected by flash photolysis and time-resolved infrared spectroscopy. Organometallics, 1987, 6, 2600-2605.	1.1	70
3	Near IR emitting BODIPY fluorophores with mega-stokes shifts. Chemical Communications, 2012, 48, 5617.	2.2	60
4	Laser pulse photolysis and transient infrared investigation into the effect of solvent or substituents (X) on the reactivity of photogenerated benzenechromium (η ⁶ -C ₆ H ₆ -yXy)Cr(CO) ₂ intermediates. Organometallics, 1993, 12, 3127-3131.	1.1	59
5	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. Inorganic Chemistry, 1983, 22, 2818-2824.	1.9	58
6	Photochemistry of (η ⁶ -arene)Mo(CO) ₃ and the Role of Alkane Solvents in Modifying the Reactions of Coordinatively Unsaturated Metal Carbonyl Fragments. Organometallics, 1998, 17, 3690-3695.	1.1	57
7	Direct observation by time-resolved infrared spectroscopy of the bright and the dark excited states of the [Ru(phen) ₂ (dppz)] ²⁺ light-switch compound in solution and when bound to DNA. Chemical Science, 2016, 7, 3075-3084.	3.7	52
8	A new combination of donor and acceptor: bis(η ⁶ -benzene)chromium and hexafluorobenzene form a charge-transfer stacked crystal. Chemical Communications, 1999, , 1027-1028.	2.2	43
9	A Kinetic Evaluation of Carbon-Hydrogen, Carbon-Carbon, and Carbon-Silicon Bond Activation in Benzylic Radical Cations. Journal of the American Chemical Society, 1998, 120, 284-297.	6.6	41
10	Di-copper metallodrugs promote NCI-60 chemotherapy via singlet oxygen and superoxide production with tandem TA/TA and AT/AT oligonucleotide discrimination. Nucleic Acids Research, 2018, 46, 2733-2750.	6.5	41
11	A phosphate-targeted dinuclear Cu(II) complex combining major groove binding and oxidative DNA cleavage. Nucleic Acids Research, 2018, 46, 9918-9931.	6.5	39
12	Unusually Slow Photodissociation of CO from (η ⁶ -C ₆ H ₆)Cr(CO) ₃ (M = Cr or Mo): A Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. Organometallics, 2009, 28, 1461-1468.	1.1	38
13	Porphyry-cobaloxime complexes for hydrogen production, a photo- and electrochemical study, coupled with quantum chemical calculations. Dalton Transactions, 2014, 43, 3576.	1.6	38
14	Reduction of dipyrido-[3,2-a:2',3'-c]-phenazine (dppz) by photolysis in ethanol solution. Chemical Communications, 2005, , 1402-1404.	2.2	32
15	Photoelectrocatalytic H ₂ evolution from integrated photocatalysts adsorbed on NiO. Chemical Science, 2019, 10, 99-112.	3.7	31
16	A photo- and electrochemical investigation of BODIPY-cobaloxime complexes for hydrogen production, coupled with quantum chemical calculations. Physical Chemistry Chemical Physics, 2014, 16, 5229.	1.3	29
17	Wavelength dependent photocatalytic H ₂ generation using iridium-Pt/Pd complexes. Dalton Transactions, 2012, 41, 12678.	1.6	26
18	Photoinduced Se-C Insertion Following Photolysis of (η ⁵ -C ₅ H ₅)Cr(CO) ₃ . A Picosecond and Nanosecond Time-Resolved Infrared, Matrix Isolation, and DFT Investigation. Organometallics, 2008, 27, 3671-3680.	1.1	25

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19	Photochemistry of $(\eta^6\text{-2,6-X}_2\text{C}_5\text{H}_3\text{N})\text{Cr}(\text{CO})_3$ (X = H, CH ₃ , (CH ₃) ₃ Si). First Example of a Photoinduced Ring-Slip at an $(\eta^6\text{-Arene})\text{M}(\text{CO})_3$ Center. Molecular Structures of $(\eta^6\text{-2,6-(CH}_3)_2\text{C}_5\text{H}_3\text{N})\text{Cr}(\text{CO})_3$ and $(\eta^6\text{-2,6-((CH}_3)_3\text{Si)C}_5\text{H}_3\text{N})\text{Cr}(\text{CO})_3$. <i>Organometallics</i> , 1996, 15, 3679-3687.	1.1	23
20	The crystal and molecular structure of $[(\eta^4\text{-4,4-dimethyl-2,2-bipyridyl})\text{bis}(\text{pentacarbonylchromium(0)})]$: the first structural determination of a complex containing a bridging 2,2'-bipyridyl ligand. <i>Inorganica Chimica Acta</i> , 1989, 157, 151-152.	1.2	22
21	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.	1.1	22
22	Novel acetylene-linked di-cobalt and tetra-cobalt carbonyl clusters. <i>Journal of Organometallic Chemistry</i> , 1999, 589, 157-167.	0.8	22
23	X-ray Crystallographic and NMR Spectroscopic Study of $(\eta^2\text{-Alkene})(\eta^4\text{-alkyne})\text{pentacarbonyldicobalt}$ Complexes: Arrested Pauson-Khand Reaction Intermediates. <i>Organometallics</i> , 2009, 28, 6308-6319.	1.1	22
24	Mega-stokes pyrene ceramide conjugates for STED imaging of lipid droplets in live cells. <i>Analyst</i> , The, 2019, 144, 1608-1621.	1.7	22
25	Photoinduced anionic polymerization of cyanoacrylates using substituted pyridine pentacarbonyl complexes of tungsten or chromium. <i>Polymer</i> , 1997, 38, 2011-2014.	1.8	21
26	Photochemistry of $(\eta^6\text{-Arene})\text{Cr}(\text{CO})_3$ (Arene = Methylbenzoate, Naphthalene,) Tj ETQq0 0 0 rgBT /Overlock 1 Excitation As Detected by Picosecond Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2985-2993.	1.1	19
27	Photo- and Electrochemical Properties of a CO_2 Reducing Ruthenium-Rhenium Quaterpyridine-Based Catalyst. <i>ChemPhotoChem</i> , 2018, 2, 323-331.	1.5	18
28	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.	6.6	18
29	$(\mu\text{-4,4'-Dimethyl-2,2'-bipyridine})\text{bis}(\text{pentacarbonylchromium})$: isolation and reactivity of a novel complex relevant to Group 6 metal tetracarbonyl chelate formation. <i>Inorganic Chemistry</i> , 1989, 28, 2231-2234.	1.9	17
30	Excited State Dynamics and Activation Parameters of Remarkably Slow Photoinduced CO Loss from $(\eta^6\text{-Benzene})\text{Cr}(\text{CO})_3$ in <i>n</i> -Heptane Solution: A DFT and Picosecond-Time-Resolved Infrared Study. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11425-11431.	1.1	16
31	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.	1.1	15
32	Incorporating Cobalt Carbonyl Moieties onto Ethynylthiophene-Based Dithienylcyclopentene Switches. 1. Photochemistry. <i>Organometallics</i> , 2014, 33, 447-456.	1.1	15
33	The photochemistry of $(\eta^2\text{-RC}_2\text{H})\text{Co}_2(\text{CO})_6$ species (R=H or C ₆ H ₅), important intermediates in the Pauson-Khand reaction. <i>Journal of Organometallic Chemistry</i> , 1999, 588, 195-199.	0.8	14
34	Visible light driven room temperature Pauson-Khand reaction. <i>Dalton Transactions</i> , 2009, , 7885.	1.6	14
35	Photochemistry of $(\eta^5\text{-C}_5\text{H}_5)(\eta^5\text{-C}_4\text{H}_4\text{N})\text{Fe}$ and $(\eta^5\text{-C}_5\text{H}_5)(\eta^1\text{-N-C}_4\text{H}_4\text{N})\text{Fe}(\text{CO})_2$ in Low-Temperature Matrixes and Room-Temperature Solution. Evidence for a Photoinduced Haptotropic Shift of the η^5 -Coordinated Pyrrolyl Ligand. <i>Organometallics</i> , 2000, 19, 3867-3873.	1.1	13
36	An investigation into the photochemistry of, and the electrochemically induced CO-loss from, $[(\text{CO})_5\text{MC}(\text{OMe})\text{Me}]$ (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, 15424-15434.	1.6	12

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37	A laser flash photolysis, matrix isolation, and DFT investigation of $(\eta^6\text{-C}_6\text{H}_5\text{Y})\text{Cr}(\text{CO})_3$ (Y=NH ₂ , OCH ₃ , H,) Tj ETQq1,10.784314 rgBT 0	1.08	11
38	Evidence for Cobalt ^{II} -Cobalt Bond Homolysis and Wavelength-Dependent CO Loss in $(\eta^5\text{-C}_5\text{H}_4\text{Alkyne})\text{Co}(\text{CO})_2$ Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 10214-10216.	1.9	11
39	A Combined Theoretical and Experimental Study on the Wavelength-Dependent Photophysics of $(\eta^6\text{-benzene})\text{Mo}(\text{CO})_3$. <i>Organometallics</i> , 2012, 31, 268-272.	1.1	11
40	Naphthylidene-substituted 4,4'-difluoro-4,4'-bora-3,4'-diazaindacene (BODIPY) Luminophores: Photophysics and Application as Molecular Imaging Probes in Live Cells. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 763-778.	1.3	11
41	Incorporating Cobalt Carbonyl Moieties onto Ethynylthiophene-Based Dithienylcyclopentene Switches. 2. Electro- and Spectroelectrochemical Properties. <i>Organometallics</i> , 2014, 33, 3309-3319.	1.1	11
42	Photochemistry of $(\eta^6\text{-Anisole})\text{Cr}(\text{CO})_3$ and $(\eta^6\text{-Thioanisole})\text{Cr}(\text{CO})_3$: 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, 962-969.	1.1	10
43	Controlled CO release using photochemical, thermal and electrochemical approaches from the amino carbene complex $[(\text{CO})_5\text{Cr}(\text{NC}_4\text{H}_8)\text{CH}_3]$. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21230-21233.	1.3	10
44	Dicarbonyl(methylcyclopentadienyl)manganese complexes of 4-vinylpyridine. <i>Journal of Organometallic Chemistry</i> , 1982, 231, C9-C11.	0.8	9
45	Photochemical <i>cis</i> - $(\eta^6\text{-1,2-Diphenylethene})\text{Cr}(\text{CO})_3$ and the Molecular Structure of <i>trans</i> - $(\eta^6\text{-1,2-Diphenylethene})\text{Cr}(\text{CO})_3$. <i>Organometallics</i> , 2007, 26, 4128-4134.	1.1	9
46	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.	1.7	9
47	Spectro-electrochemical Studies on $[\text{Ru}(\text{TAP})_2(\text{dppz})]^{2+}$ Insights into the Mechanism of its Photosensitized Oxidation of Oligonucleotides. <i>Inorganic Chemistry</i> , 2019, 58, 663-671.	1.9	9
48	Potential Energy Mapping of the Excited-States of $(\eta^6\text{-Arene})\text{Cr}(\text{CO})_3$ Complexes: the Evolution Toward CO-Loss or Haptotropic Shift Processes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6845-6850.	1.1	8
49	Preparation, spectroscopic properties, crystal and molecular structure of pentacarbonyl(3-methyl-1-(pyridin-2-yl)-1,2,4-triazole-N4)tungsten(0). <i>Inorganica Chimica Acta</i> , 1991, 180, 195-199.	1.2	7
50	Photochemical transformations of cyclic azimines – X-ray crystallographic analysis of intermediates in their sequential phototransformations. <i>Chemical Communications</i> , 1996, , 945-946.	2.2	7
51	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.	2.0	6
52	Pentacarbonyl(4-phenylpyridine)tungsten(0) and pentacarbonyl(2-phenylpyridine)chromium(0). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 385-387.	0.4	6
53	The photochemistry of $(\eta^5\text{-2-R-C}_3\text{H}_4)\text{Fe}(\text{CO})(\text{NO})(\text{X})$ (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.	0.8	6
54	Probing the Metal-to-Ligand Charge Transfer First Excited State in $(\eta^6\text{-Naphthalene})\text{Cr}(\text{CO})_3$ and $(\eta^6\text{-Phenanthrene})\text{Cr}(\text{CO})_3$ by Resonance Raman Spectroscopy and Density Functional Theory Calculations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11641-11651.	1.1	6

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55	Excited state evolution towards ligand loss and ligand chelation at group 6 metal carbonyl centres. Dalton Transactions, 2014, 43, 17797-17805.	1.6	6
56	Photo-activated CO-release in the amino tungsten Fischer carbene complex, [(CO)5WC(NC4H8)Me], picosecond time resolved infrared spectroscopy, time-dependent density functional theory, and an antimicrobial study. Journal of Inorganic Biochemistry, 2020, 208, 111071.	1.5	6
57	Photophysics of CO Loss from Simple Metal Carbonyl Complexes. Topics in Organometallic Chemistry, 2009, , 159-191.	0.7	5
58	(η^5 -C ₄ H ₄ S)Cr(CO) ₃ and (η^5 -C ₄ H ₄ Se)Cr(CO) ₃ : A DFT Investigation of the Ground-State Singlet and Triplet Surfaces. New Insights into the Mechanism of C ⁺ S or C ⁺ Se Insertion Reactions. Organometallics, 2009, 28, 94-99.	1.1	5
59	Optically induced cis-trans isomerisation of (η^6 -cis-stilbene)Cr(CO) ₃ . Dalton Transactions, 2010, 39, 2201.	1.6	5
60	A Time-Resolved Spectroscopic Investigation of a Novel BODIPY Copolymer and Its Potential Use as a Photosensitiser for Hydrogen Evolution. Frontiers in Chemistry, 2020, 8, 584060.	1.8	5
61	Explaining the role of water in the "light-switch" probe for DNA intercalation: Modelling water loss from [Ru(phen)2(dppz)] ²⁺ •2H ₂ O using DFT and TD-DFT methods. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 410, 113169.	2.0	5
62	Group via metal pentacarbonyl complexes of 2- and 4-vinylpyridine and their copolymers. preparation, spectroscopic characterisation and photochemical properties. Journal of Organometallic Chemistry, 1982, 235, 315-326.	0.8	4
63	The crystal and molecular structure of tetracarbonyl(6-p-styryl-2,2'-bipyridyl)tungsten(0). An examination of the affect of a bulky group η^{\pm} to one coordinating nitrogen atom in a bidentate ligand. Journal of Organometallic Chemistry, 1984, 272, 385-390.	0.8	4
64	A study of the thermal and photochemical reactions of the group 6 metal carbonyls with organic polymer supports. Inorganica Chimica Acta, 1988, 146, 25-31.	1.2	4
65	Photochemical or electrochemical bond breaking "exploring the chemistry of (η^4 -alkyne)Co ₂ (CO) ₆ complexes using time-resolved infrared spectroscopy, spectro-electrochemical and density functional methods. Dalton Transactions, 2019, 48, 14642-14652.	1.6	4
66	Matrix effects and their role in the low-temperature photochemistry of (η^6 -Aniline)Cr(CO) ₃ . Journal of Organometallic Chemistry, 2010, 695, 1634-1640.	0.8	3
67	Photoinduced benzylation of 1,4-dimethoxynaphthalene by benzyl halides. Journal of the Chemical Society Perkin Transactions II, 1995, , 1895.	0.9	2
68	Dicarbonyl(η^2 -cis-cyclooctene)(η^5 -methylcyclopentadienyl)manganese(I). Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m676-m678.	0.2	1
69	2-Benzoylspro[1H-isoindole-1,3-dione-isoindole-1-one]-1,3,4-trione. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2025-o2028.	0.2	1
70	The (1R,2R,7R,8R)- and (1R,2S,7S,8R)-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-o372.	0.4	1
71	(1R,2S,7R,8R)-N-Benzoyltricyclo[6.2.2.0 ^{2,7}]dodeca-9,11-diene-1,10-dicarboximide. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o547-o549.	0.2	1
72	Dicarbonyl(η^5 -methylcyclopentadienyl)(η^2 -[tricarbonyl(η^6 -styrene)chromium(0)])manganese(I). Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m931-m933.	0.2	0

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73	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.	0.2	0
74	(S)-N-(1-Benzyl-2-hydroxyethyl)phthalamic acid. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2047-o2049.	0.2	0
75	Benzylammonium 2,4-bis(dicyanomethylene)-2,3-dihydroisindolide. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2258-o2260.	0.2	0