

Colin G Cameron

List of Publications by Year in descending order

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papers

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304602

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times ranked

2583
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition Metal Complexes and Photodynamic Therapy from a Tumor-Centered Approach: Challenges, Opportunities, and Highlights from the Development of TLD1433. <i>Chemical Reviews</i> , 2019, 119, 797-828.	23.0	899
2	A Polypyrrole/Phosphomolybdic Acid- π -Poly(3,4-ethylenedioxythiophene)/Phosphotungstic Acid Asymmetric Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2010, 157, A1030.	1.3	78
3	Breaking the barrier: an osmium photosensitizer with unprecedented hypoxic phototoxicity for real world photodynamic therapy. <i>Chemical Science</i> , 2020, 11, 9784-9806.	3.7	67
4	Near-infrared absorbing Ru(II) complexes act as immunoprotective photodynamic therapy (PDT) agents against aggressive melanoma. <i>Chemical Science</i> , 2020, 11, 11740-11762.	3.7	67
5	Near-infrared-emitting heteroleptic cationic iridium complexes derived from 2,3-diphenylbenzo[g]quinoxaline as in vitro theranostic photodynamic therapy agents. <i>Dalton Transactions</i> , 2017, 46, 8091-8103.	1.6	56
6	Cyclometalated Ruthenium(II) Complexes Derived from π -Oligothiophenes as Highly Selective Cytotoxic or Photocytotoxic Agents. <i>Inorganic Chemistry</i> , 2018, 57, 7694-7712.	1.9	48
7	Anticancer Agent with Inexplicable Potency in Extreme Hypoxia: Characterizing a Light-Triggered Ruthenium Ubertoxin. <i>Journal of the American Chemical Society</i> , 2022, 144, 9543-9547.	6.6	48
8	A conjugated polymer/redox polymer hybrid with electronic communication between metal centres. <i>Chemical Communications</i> , 1997, , 303-304.	2.2	47
9	New Class of Homoleptic and Heteroleptic Bis(terpyridine) Iridium(III) Complexes with Strong Photodynamic Therapy Effects. <i>ACS Applied Bio Materials</i> , 2019, 2, 2964-2977.	2.3	45
10	Heteroleptic Ir(III)N ₆ Complexes with Long-Lived Triplet Excited States and in Vitro Photobiological Activities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3629-3644.	4.0	45
11	Metal-Metal Interactions in a Novel Hybrid Metallopolymer. <i>Journal of the American Chemical Society</i> , 1999, 121, 11773-11779.	6.6	42
12	Photophysical and Photobiological Properties of Dinuclear Iridium(III) Bis-tridentate Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9859-9872.	1.9	41
13	Strained, Photoejecting Ru(II) Complexes that are Cytotoxic Under Hypoxic Conditions. <i>Photochemistry and Photobiology</i> , 2020, 96, 327-339.	1.3	38
14	Os(II) Oligothieryl Complexes as a Hypoxia-Active Photosensitizer Class for Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2020, 59, 16341-16360.	1.9	37
15	Electron Transport in a Conjugated Metallopolymer Containing Binuclear Osmium Centers with Strong Electronic Communication. <i>Journal of the American Chemical Society</i> , 1999, 121, 7710-7711.	6.6	34
16	Photophysical Properties and Photobiological Activities of Ruthenium(II) Complexes Bearing π -Expansive Cyclometalating Ligands with Thienyl Groups. <i>Inorganic Chemistry</i> , 2019, 58, 10778-10790.	1.9	34
17	Electron Transport in Ru and Os Polybenzimidazole-Based Metallopolymers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8838-8844.	1.2	33
18	Elastomeric composites with high dielectric constant for use in Maxwell stress actuators. , 2003, , .		32

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19	Intraligand Excited States Turn a Ruthenium Oligothiophene Complex into a Light-Triggered Ubertoxin with Anticancer Effects in Extreme Hypoxia. <i>Journal of the American Chemical Society</i> , 2022, 144, 8317-8336.	6.6	32
20	Predictive Strength of Photophysical Measurements for in Vitro Photobiological Activity in a Series of Ru(II) Polypyridyl Complexes Derived from π -Extended Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 3156-3166.	1.9	29
21	Linear actuation in coextruded dielectric elastomer tubes. <i>Sensors and Actuators A: Physical</i> , 2008, 147, 286-291.	2.0	28
22	TLD1433 Photosensitizer Inhibits Conjunctival Melanoma Cells in Zebrafish Ectopic and Orthotopic Tumour Models. <i>Cancers</i> , 2020, 12, 587.	1.7	28
23	Photodynamic Inactivation of Herpes Simplex Viruses. <i>Viruses</i> , 2018, 10, 532.	1.5	27
24	Neutral iridium(III) complexes bearing BODIPY-substituted N-heterocyclic carbene (NHC) ligands: synthesis, photophysics, in vitro theranostic photodynamic therapy, and antimicrobial activity. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2381-2396.	1.6	23
25	Bis[pyrrolyl Ru(II)] triads: a new class of photosensitizers for metal-organic photodynamic therapy. <i>Chemical Science</i> , 2020, 11, 12047-12069.	3.7	23
26	Discovery of immunogenic cell death-inducing ruthenium-based photosensitizers for anticancer photodynamic therapy. <i>OncImmunology</i> , 2021, 10, 1863626.	2.1	22
27	Remediating Desmoplasia with EGFR-Targeted Photoactivable Multi-Inhibitor Liposomes Doubles Overall Survival in Pancreatic Cancer. <i>Advanced Science</i> , 2022, 9, .	5.6	22
28	Singlet Oxygen Formation vs Photodissociation for Light-Responsive Protic Ruthenium Anticancer Compounds: The Oxygenated Substituent Determines Which Pathway Dominates. <i>Inorganic Chemistry</i> , 2021, 60, 2138-2148.	1.9	20
29	Fine-Feature Modifications to Strained Ruthenium Complexes Radically Alter Their Hypoxic Anticancer Activity. <i>Photochemistry and Photobiology</i> , 2022, 98, 73-84.	1.3	20
30	Conductive filler: elastomer composites for Maxwell stress actuator applications. , 2004, 5385, 51.		18
31	Monocationic Iridium(III) Complexes with Far-Red Charge-Transfer Absorption and Near-IR Emission: Synthesis, Photophysics, and Reverse Saturable Absorption. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2208-2215.	1.0	18
32	Photodynamic Inactivation of Human Coronaviruses. <i>Viruses</i> , 2022, 14, 110.	1.5	18
33	Synthesis, Characterization and Photobiological Studies of Ru(II) Dyads Derived from π -Oligothiophene Derivatives of 1,10-Phenanthroline. <i>Photochemistry and Photobiology</i> , 2019, 95, 267-279.	1.3	16
34	Modification of amyloid-beta peptide aggregation via photoactivation of strained Ru(II) polypyridyl complexes. <i>Chemical Science</i> , 2021, 12, 7510-7520.	3.7	15
35	It Takes Three to Tango: The Length of the Oligothiophene Chain Determines the Nature of the Long-Lived Excited State and the Resulting Photocytotoxicity of a Ruthenium(II) Photodrug. <i>ChemPhotoChem</i> , 2021, 5, 421-425.	1.5	12
36	Intracellular Photophysics of an Osmium Complex bearing an Oligothiophene Extended Ligand. <i>Chemistry - A European Journal</i> , 2020, 26, 14844-14851.	1.7	10

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37	NIR-Absorbing Ru II Complexes Containing π -Oligothiophenes for Applications in Photodynamic Therapy. ChemBioChem, 2020, 21, 3594-3607.	1.3	9
38	String-Attached Oligothiophene Substituents Determine the Fate of Excited States in Ruthenium Complexes for Photodynamic Therapy. Journal of Physical Chemistry A, 2021, 125, 6985-6994.	1.1	9
39	Ruthenium Photosensitizers for NIR PDT Require Lowest-Lying Triplet Intraligand (3IL) Excited States. Journal of Photochemistry and Photobiology, 2021, 8, 100067.	1.1	8
40	Light-Responsive and Protic Ruthenium Compounds Bearing Bathophenanthroline and Dihydroxybipyridine Ligands Achieve Nanomolar Toxicity towards Breast Cancer Cells. Photochemistry and Photobiology, 2021, , .	1.3	6
41	Interaction with a Biomolecule Facilitates the Formation of the Function-Determining Long-Lived Triplet State in a Ruthenium Complex for Photodynamic Therapy. Journal of Physical Chemistry A, 2022, 126, 1336-1344.	1.1	6
42	Cold Temperature Optimization of Supercapacitors. ECS Transactions, 2012, 41, 121-132.	0.3	5
43	Electrochemical Capacitors. Springer Handbooks, 2017, , 563-589.	0.3	5
44	<title>Electrolytic phase transformation actuators</title>. , 2003, , .		0
45	Towards high-throughput light-activated drug discovery using automated plate illuminator. , 2021, , .		0
46	Photodynamic therapy of melanoma with new, structurally similar, NIR-absorbing ruthenium (II) complexes promotes tumor growth control via distinct hallmarks of immunogenic cell death.. American Journal of Cancer Research, 2022, 12, 210-228.	1.4	0