Sherri A Mcfarland

List of Publications by Year
in descending order

74 papers	4,132 citations	126858 33 h-index	114418 63 g-index
79 all docs	79 docs citations	79 times ranked	3999 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. Chemical Reviews, 2019, 119, 797-828.	23.0	899
2	Exploitation of Long-Lived ³IL Excited States for Metalâ€“Organic Photodynamic Therapy: Verification in a Metastatic Melanoma Model. Journal of the American Chemical Society, 2013, 135, 17161-17175.	6.6	265
3	Ru(II) dyads derived from Î±-oligothiophenes: A new class of potent and versatile photosensitizers for PDT. Coordination Chemistry Reviews, 2015, 282-283, 127-138.	9.5	226
4	Metal-based photosensitizers for photodynamic therapy: the future of multimodal oncology?. Current Opinion in Chemical Biology, 2020, 56, 23-27.	2.8	224
5	Fluorescent Chemosensors Based on Conformational Restriction of a Biaryl Fluorophore. Journal of the American Chemical Society, 2001, 123, 1260-1261.	6.6	135
6	Photodynamic inactivation of Staphylococcus aureus and methicillin-resistant Staphylococcus aureus with Ru(II)-based type I/type II photosensitizers. Photodiagnosis and Photodynamic Therapy, 2013, 10, 615-625.	1.3	119
7	Fluorescent Signaling Based on Control of Excited State Dynamics. Biarylacetylene Fluorescent Chemosensors. Journal of the American Chemical Society, 2002, 124, 1178-1179.	6.6	111
8	Organometallic Ru(II) Photosensitizers Derived from Ï€-Expansive Cyclometalating Ligands: Surprising Theranostic PDT Effects. Inorganic Chemistry, 2016, 55, 83-95.	1.9	92
9	<i>In Vitro</i> Multiwavelength PDT with ³IL States: Teaching Old Molecules New Tricks. Inorganic Chemistry, 2014, 53, 4548-4559.	1.9	91
10	Ru(II) Dyads Derived from 2-(1-Pyrenyl)-1<i>H</i>-imidazo[4,5-<i>f</i>][1,10]phenanthroline: Versatile Photosensitizers for Photodynamic Applications. Journal of Physical Chemistry A, 2014, 118, 10507-10521.	1.1	90
11	Increasing the triplet lifetime and extending the ground-state absorption of biscyclometalated Ir(<scp>iii</scp>) complexes for reverse saturable absorption and photodynamic therapy applications. Dalton Transactions, 2016, 45, 16366-16378.	1.6	85
12	Photobiological Activity of Ru(II) Dyads Based on (Pyren-1-yl)ethynyl Derivatives of 1,10-Phenanthroline. Inorganic Chemistry, 2010, 49, 2889-2900.	1.9	75
13	Breaking the barrier: an osmium photosensitizer with unprecedented hypoxic phototoxicity for real world photodynamic therapy. Chemical Science, 2020, 11, 9784-9806.	3.7	67
14	Near-infrared absorbing Ru(<scp>ii</scp>) complexes act as immunoprotective photodynamic therapy (PDT) agents against aggressive melanoma. Chemical Science, 2020, 11, 11740-11762.	3.7	67
15	Novel Osmiumâ€based Coordination Complexes as Photosensitizers for Panchromatic Photodynamic Therapy. Photochemistry and Photobiology, 2017, 93, 1248-1258.	1.3	62
16	Synthesis and Photobiological Activity of Ru(II) Dyads Derived from Pyrrole-2-carboxylate Thionoesters. Inorganic Chemistry, 2017, 56, 4121-4132.	1.9	59
17	Ï€-Expansive Heteroleptic Ruthenium(II) Complexes as Reverse Saturable Absorbers and Photosensitizers for Photodynamic Therapy. Inorganic Chemistry, 2017, 56, 3245-3259.	1.9	57
18	Near-infrared-emitting heteroleptic cationic iridium complexes derived from 2,3-diphenylbenzo[g]quinoxaline as in vitro theranostic photodynamic therapy agents. Dalton Transactions, 2017, 46, 8091-8103.	1.6	56

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19	Strained ruthenium metalâ€“organic dyads as photocisplatin agents with dual action. Journal of Inorganic Biochemistry, 2016, 158, 45-54.	1.5	52
20	Cyclometalated Ruthenium(II) Complexes Derived from Î±-Oligothiophenes as Highly Selective Cytotoxic or Photocytotoxic Agents. Inorganic Chemistry, 2018, 57, 7694-7712.	1.9	48
21	Anticancer Agent with Inexplicable Potency in Extreme Hypoxia: Characterizing a Light-Triggered Ruthenium Ubertoxin. Journal of the American Chemical Society, 2022, 144, 9543-9547.	6.6	48
22	New Class of Homoleptic and Heteroleptic Bis(terpyridine) Iridium(III) Complexes with Strong Photodynamic Therapy Effects. ACS Applied Bio Materials, 2019, 2, 2964-2977.	2.3	45
23	Heteroleptic Ir(III)N₆ Complexes with Long-Lived Triplet Excited States and in Vitro Photobiological Activities. ACS Applied Materials & Interfaces, 2019, 11, 3629-3644.	4.0	45
24	Picosecond Dynamics of Nonthermalized Excited States in Tris(2,2-bipyridine)ruthenium(II) Derivatives Elucidated by High Energy Excitation. Journal of the American Chemical Society, 2005, 127, 7065-7070.	6.6	44
25	Dying to Be Noticed: Epigenetic Regulation of Immunogenic Cell Death for Cancer Immunotherapy. Frontiers in Immunology, 2018, 9, 654.	2.2	42
26	Photophysical and Photobiological Properties of Dinuclear Iridium(III) Bis-tridentate Complexes. Inorganic Chemistry, 2018, 57, 9859-9872.	1.9	41
27	Synthesis and antimalarial activity of prodigiosenes. Organic and Biomolecular Chemistry, 2014, 12, 4132.	1.5	40
28	Synthetic prodigiosenes and the influence of C-ring substitution on DNA cleavage, transmembrane chloride transport and basicity. Organic and Biomolecular Chemistry, 2013, 11, 3834.	1.5	38
29	Eight-Membered Ring-Containing Jadomycins: Implications for Non-enzymatic Natural Products Biosynthesis. Journal of the American Chemical Society, 2015, 137, 3271-3275.	6.6	38
30	Strained, Photoejecting Ru(II) Complexes that are Cytotoxic Under Hypoxic Conditions. Photochemistry and Photobiology, 2020, 96, 327-339.	1.3	38
31	Os(II) Oligothienyl Complexes as a Hypoxia-Active Photosensitizer Class for Photodynamic Therapy. Inorganic Chemistry, 2020, 59, 16341-16360.	1.9	37
32	Synthetic diversification of natural products: semi-synthesis and evaluation of triazole jadomycins. Chemical Science, 2012, 3, 1640.	3.7	35
33	Diverse DNA-Cleaving Capacities of the Jadomycins through Precursor-Directed Biosynthesis. Organic Letters, 2010, 12, 1172-1175.	2.4	34
34	Photophysics of Ru(II) Dyads Derived from Pyrenyl-Substitued Imidazo[4,5-<i>f</i>][1,10]phenanthroline Ligands. Journal of Physical Chemistry A, 2015, 119, 3986-3994.	1.1	34
35	Excited State Dynamics of a Photobiologically Active Ru(II) Dyad Are Altered in Biologically Relevant Environments. Journal of Physical Chemistry A, 2017, 121, 5635-5644.	1.1	34
36	Photophysical Properties and Photobiological Activities of Ruthenium(II) Complexes Bearing Ï€-Expansive Cyclometalating Ligands with Thienyl Groups. Inorganic Chemistry, 2019, 58, 10778-10790.	1.9	34

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37	Intraligand Excited States Turn a Ruthenium Oligothiophene Complex into a Light-Triggered Ubertoxin with Anticancer Effects in Extreme Hypoxia. Journal of the American Chemical Society, 2022, 144, 8317-8336.	6.6	32
38	Influence of Protonation State on the Excited State Dynamics of a Photobiologically Active Ru(II) Dyad. Journal of Physical Chemistry A, 2016, 120, 6379-6388.	1.1	29
39	Predictive Strength of Photophysical Measurements for in Vitro Photobiological Activity in a Series of Ru(II) Polypyridyl Complexes Derived from Ï€-Extended Ligands. Inorganic Chemistry, 2019, 58, 3156-3166.	1.9	29
40	TLD1433 Photosensitizer Inhibits Conjunctival Melanoma Cells in Zebrafish Ectopic and Orthotopic Tumour Models. Cancers, 2020, 12, 587.	1.7	28
41	Photodynamic Inactivation of Herpes Simplex Viruses. Viruses, 2018, 10, 532.	1.5	27
42	Jadomycins Derived from the Assimilation and Incorporation of Norvaline and Norleucine. Journal of Natural Products, 2011, 74, 2420-2424.	1.5	26
43	Investigations regarding the utility of prodigiosenes to treat leukemia. Organic and Biomolecular Chemistry, 2013, 11, 62-68.	1.5	24
44	Neutral iridium(III) complexes bearing BODIPY-substituted N-heterocyclic carbene (NHC) ligands: synthesis, photophysics, in vitro theranostic photodynamic therapy, and antimicrobial activityâ€. Photochemical and Photobiological Sciences, 2019, 18, 2381-2396.	1.6	23
45	Bis[pyrrolyl Ru(<scp>ii</scp>)] triads: a new class of photosensitizers for metalâ€"organic photodynamic therapy. Chemical Science, 2020, 11, 12047-12069.	3.7	23
46	TLD1433-Mediated Photodynamic Therapy with an Optical Surface Applicator in the Treatment of Lung Cancer Cells In Vitro. Pharmaceuticals, 2020, 13, 137.	1.7	23
47	Discovery of immunogenic cell death-inducing ruthenium-based photosensitizers for anticancer photodynamic therapy. OncoImmunology, 2021, 10, 1863626.	2.1	22
48	Remediating Desmoplasia with EGFRâ€Targeted Photoactivable Multiâ€Inhibitor Liposomes Doubles Overall Survival in Pancreatic Cancer. Advanced Science, 2022, 9, .	5.6	22
49	Copper-mediated nuclease activity of jadomycin B. Bioorganic and Medicinal Chemistry, 2011, 19, 3357-3360.	1.4	21
50	Isolation and Synthetic Diversification of Jadomycin 4-Amino-<scp>l</scp>-phenylalanine. Journal of Natural Products, 2015, 78, 1208-1214.	1.5	21
51	Platinum-oxazoline complexes as anti-cancer agents: syntheses, characterisation and initial biological studies. MedChemComm, 2011, 2, 274.	3.5	20
52	Singlet Oxygen Formation vs Photodissociation for Light-Responsive Protic Ruthenium Anticancer Compounds: The Oxygenated Substituent Determines Which Pathway Dominates. Inorganic Chemistry, 2021, 60, 2138-2148.	1.9	20
53	Fineâ€Feature Modifications to Strained Ruthenium Complexes Radically Alter Their Hypoxic Anticancer Activity^{â€}. Photochemistry and Photobiology, 2022, 98, 73-84.	1.3	20
54	Conformational Control of Excited-State Dynamics in Highly Distorted Ru(II) Polypyridyl Complexes. Inorganic Chemistry, 2005, 44, 4066-4076.	1.9	18

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55	Monocationic Iridium(III) Complexes with Farâ€Red Chargeâ€Transfer Absorption and Nearâ€IR Emission: Synthesis, Photophysics, and Reverse Saturable Absorption. European Journal of Inorganic Chemistry, 2019, 2019, 2208-2215.	1.0	18
56	Photodynamic Inactivation of Human Coronaviruses. Viruses, 2022, 14, 110.	1.5	18
57	Synthesis, Characterization and Photobiological Studies of Ru(<scp>II</scp>) Dyads Derived from <i>Î±</i>â€Oligothiophene Derivatives of 1,10â€Phenanthroline. Photochemistry and Photobiology, 2019, 95, 267-279.	1.3	16
58	Enhanced Production and Anticancer Properties of Photoactivated Perylenequinones. Journal of Natural Products, 2020, 83, 2490-2500.	1.5	16
59	Synthesis and Characterization of Ru(II) Complexes with Ï€â€Expansive Imidazophen Ligands for the Photokilling of Human Melanoma Cells. Photochemistry and Photobiology, 2020, 96, 349-357.	1.3	15
60	Modification of amyloid-beta peptide aggregation <i>via</i> photoactivation of strained Ru(<scp>ii</scp>) polypyridyl complexes. Chemical Science, 2021, 12, 7510-7520.	3.7	15
61	A spectroscopic study of substituted anthranilic acids as sensitive environmental probes for detecting cancer cells. Bioorganic and Medicinal Chemistry, 2016, 24, 929-937.	1.4	13
62	It Takes Three to Tango: The Length of the Oligothiophene Chain Determines the Nature of the Longâ€Lived Excited State and the Resulting Photocytotoxicity of a Ruthenium(II) Photodrug. ChemPhotoChem, 2021, 5, 421-425.	1.5	12
63	Intracellular Photophysics of an Osmium Complex bearing an Oligothiophene Extended Ligand. Chemistry - A European Journal, 2020, 26, 14844-14851.	1.7	10
64	NIRâ€Absorbing Ru II Complexes Containing Î±â€Oligothiophenes for Applications in Photodynamic Therapy. ChemBioChem, 2020, 21, 3594-3607.	1.3	9
65	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
66	Ruthenium Photosensitizers for NIR PDT Require Lowest-Lying Triplet Intraligand (3IL) Excited States. Journal of Photochemistry and Photobiology, 2021, 8, 100067.	1.1	8
67	S,Sâ€Chiral Linker Induced U Shape with a Synâ€facial Sensitizer and Photocleavable Ethene Group. Photochemistry and Photobiology, 2019, 95, 293-305.	1.3	6
68	Lightâ€responsive and Protic Ruthenium Compounds Bearing Bathophenanthroline and Dihydroxybipyridine Ligands Achieve Nanomolar Toxicity towards Breast Cancer Cells. Photochemistry and Photobiology, 2021, , .	1.3	6
69	Chiral resolution and absolute configuration determination of new metal-based photodynamic therapy antitumor agents. Journal of Pharmaceutical and Biomedical Analysis, 2021, 204, 114233.	1.4	6
70	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
71	Nonthermalized excited states in Ru(II) polypyridyl complexes probed by ultrafast transient absorption spectroscopy with high photon energy excitation. Canadian Journal of Chemistry, 2008, 86, 1118-1125.	0.6	5
72	Insights into enantioselective separations of ionic metal complexes by sub/supercritical fluid chromatography. Analytica Chimica Acta, 2022, 1228, 340156.	2.6	3

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73	Preface: Memorial Issue Dedicated to Karen J. Brewer^{â€}. Photochemistry and Photobiology, 2022, 98, 4-5.	1.3	0
74	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