

Sherri A Mcfarland

List of Publications by Year in descending order

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74
papers

4,132
citations

126907

33
h-index

114465

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. <i>Chemical Reviews</i> , 2019, 119, 797-828.	47.7	899
2	Exploitation of Long-Lived ³ IL Excited States for Metal-Organic Photodynamic Therapy: Verification in a Metastatic Melanoma Model. <i>Journal of the American Chemical Society</i> , 2013, 135, 17161-17175.	13.7	265
3	Ru(II) dyads derived from π -oligothiophenes: A new class of potent and versatile photosensitizers for PDT. <i>Coordination Chemistry Reviews</i> , 2015, 282-283, 127-138.	18.8	226
4	Metal-based photosensitizers for photodynamic therapy: the future of multimodal oncology?. <i>Current Opinion in Chemical Biology</i> , 2020, 56, 23-27.	6.1	224
5	Fluorescent Chemosensors Based on Conformational Restriction of a Biaryl Fluorophore. <i>Journal of the American Chemical Society</i> , 2001, 123, 1260-1261.	13.7	135
6	Photodynamic inactivation of <i>Staphylococcus aureus</i> and methicillin-resistant <i>Staphylococcus aureus</i> with Ru(II)-based type I/type II photosensitizers. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 615-625.	2.6	119
7	Fluorescent Signaling Based on Control of Excited State Dynamics. Biarylacetylene Fluorescent Chemosensors. <i>Journal of the American Chemical Society</i> , 2002, 124, 1178-1179.	13.7	111
8	Organometallic Ru(II) Photosensitizers Derived from π -Expansive Cyclometalating Ligands: Surprising Theranostic PDT Effects. <i>Inorganic Chemistry</i> , 2016, 55, 83-95.	4.0	92
9	<i>In Vitro</i> Multiwavelength PDT with ³ IL States: Teaching Old Molecules New Tricks. <i>Inorganic Chemistry</i> , 2014, 53, 4548-4559.	4.0	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. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10507-10521.	2.5	90
11	Increasing the triplet lifetime and extending the ground-state absorption of biscyclometalated Ir(III) complexes for reverse saturable absorption and photodynamic therapy applications. <i>Dalton Transactions</i> , 2016, 45, 16366-16378.	3.3	85
12	Photobiological Activity of Ru(II) Dyads Based on (Pyren-1-yl)ethynyl Derivatives of 1,10-Phenanthroline. <i>Inorganic Chemistry</i> , 2010, 49, 2889-2900.	4.0	75
13	Breaking the barrier: an osmium photosensitizer with unprecedented hypoxic phototoxicity for real world photodynamic therapy. <i>Chemical Science</i> , 2020, 11, 9784-9806.	7.4	67
14	Near-infrared absorbing Ru(II) complexes act as immunoprotective photodynamic therapy (PDT) agents against aggressive melanoma. <i>Chemical Science</i> , 2020, 11, 11740-11762.	7.4	67
15	Novel Osmium-based Coordination Complexes as Photosensitizers for Panchromatic Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2017, 93, 1248-1258.	2.5	62
16	Synthesis and Photobiological Activity of Ru(II) Dyads Derived from Pyrrole-2-carboxylate Thionoesters. <i>Inorganic Chemistry</i> , 2017, 56, 4121-4132.	4.0	59
17	π -Expansive Heteroleptic Ruthenium(II) Complexes as Reverse Saturable Absorbers and Photosensitizers for Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2017, 56, 3245-3259.	4.0	57
18	Near-infrared-emitting heteroleptic cationic iridium complexes derived from 2,3-diphenylbenzo[<i>g</i>]quinoxaline as in vitro theranostic photodynamic therapy agents. <i>Dalton Transactions</i> , 2017, 46, 8091-8103.	3.3	56

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19	Strained ruthenium metal-organic dyads as photocisplatin agents with dual action. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 45-54.	3.5	52
20	Cyclometalated Ruthenium(II) Complexes Derived from π -Oligothiophenes as Highly Selective Cytotoxic or Photocytotoxic Agents. <i>Inorganic Chemistry</i> , 2018, 57, 7694-7712.	4.0	48
21	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.	13.7	48
22	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.	4.6	45
23	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.	8.0	45
24	Picosecond Dynamics of Nonthermalized Excited States in Tris(2,2-bipyridine)ruthenium(II) Derivatives Elucidated by High Energy Excitation. <i>Journal of the American Chemical Society</i> , 2005, 127, 7065-7070.	13.7	44
25	Dying to Be Noticed: Epigenetic Regulation of Immunogenic Cell Death for Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2018, 9, 654.	4.8	42
26	Photophysical and Photobiological Properties of Dinuclear Iridium(III) Bis-tridentate Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9859-9872.	4.0	41
27	Synthesis and antimalarial activity of prodigiosenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4132.	2.8	40
28	Synthetic prodigiosenes and the influence of C-ring substitution on DNA cleavage, transmembrane chloride transport and basicity. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3834.	2.8	38
29	Eight-Membered Ring-Containing Jadomycins: Implications for Non-enzymatic Natural Products Biosynthesis. <i>Journal of the American Chemical Society</i> , 2015, 137, 3271-3275.	13.7	38
30	Strained, Photoejecting Ru(II) Complexes that are Cytotoxic Under Hypoxic Conditions. <i>Photochemistry and Photobiology</i> , 2020, 96, 327-339.	2.5	38
31	Os(II) Oligothieryl Complexes as a Hypoxia-Active Photosensitizer Class for Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2020, 59, 16341-16360.	4.0	37
32	Synthetic diversification of natural products: semi-synthesis and evaluation of triazole jadomycins. <i>Chemical Science</i> , 2012, 3, 1640.	7.4	35
33	Diverse DNA-Cleaving Capacities of the Jadomycins through Precursor-Directed Biosynthesis. <i>Organic Letters</i> , 2010, 12, 1172-1175.	4.6	34
34	Photophysics of Ru(II) Dyads Derived from Pyrenyl-Substituted Imidazo[4,5-f][1,10]phenanthroline Ligands. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3986-3994.	2.5	34
35	Excited State Dynamics of a Photobiologically Active Ru(II) Dyad Are Altered in Biologically Relevant Environments. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5635-5644.	2.5	34
36	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.	4.0	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. <i>Journal of the American Chemical Society</i> , 2022, 144, 8317-8336.	13.7	32
38	Influence of Protonation State on the Excited State Dynamics of a Photobiologically Active Ru(II) Dyad. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6379-6388.	2.5	29
39	Predictive Strength of Photophysical Measurements for in Vitro Photobiological Activity in a Series of Ru(II) Polypyridyl Complexes Derived from Î€-Extended Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 3156-3166.	4.0	29
40	TLD1433 Photosensitizer Inhibits Conjunctival Melanoma Cells in Zebrafish Ectopic and Orthotopic Tumour Models. <i>Cancers</i> , 2020, 12, 587.	3.7	28
41	Photodynamic Inactivation of Herpes Simplex Viruses. <i>Viruses</i> , 2018, 10, 532.	3.3	27
42	Jadomycins Derived from the Assimilation and Incorporation of Norvaline and Norleucine. <i>Journal of Natural Products</i> , 2011, 74, 2420-2424.	3.0	26
43	Investigations regarding the utility of prodigiosenes to treat leukemia. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 62-68.	2.8	24
44	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.	2.9	23
45	Bis[pyrrolyl Ru(II)] triads: a new class of photosensitizers for metal-organic photodynamic therapy. <i>Chemical Science</i> , 2020, 11, 12047-12069.	7.4	23
46	TLD1433-Mediated Photodynamic Therapy with an Optical Surface Applicator in the Treatment of Lung Cancer Cells In Vitro. <i>Pharmaceuticals</i> , 2020, 13, 137.	3.8	23
47	Discovery of immunogenic cell death-inducing ruthenium-based photosensitizers for anticancer photodynamic therapy. <i>OncImmunology</i> , 2021, 10, 1863626.	4.6	22
48	Remediating Desmoplasia with EGFR-Targeted Photoactivable Multi-Inhibitor Liposomes Doubles Overall Survival in Pancreatic Cancer. <i>Advanced Science</i> , 2022, 9, .	11.2	22
49	Copper-mediated nuclease activity of jadomycin B. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3357-3360.	3.0	21
50	Isolation and Synthetic Diversification of Jadomycin 4-Amino-phenylalanine. <i>Journal of Natural Products</i> , 2015, 78, 1208-1214.	3.0	21
51	Platinum-oxazoline complexes as anti-cancer agents: syntheses, characterisation and initial biological studies. <i>MedChemComm</i> , 2011, 2, 274.	3.4	20
52	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.	4.0	20
53	Fine-Feature Modifications to Strained Ruthenium Complexes Radically Alter Their Hypoxic Anticancer Activity. <i>Photochemistry and Photobiology</i> , 2022, 98, 73-84.	2.5	20
54	Conformational Control of Excited-State Dynamics in Highly Distorted Ru(II) Polypyridyl Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 4066-4076.	4.0	18

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55	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.	2.0	18
56	Photodynamic Inactivation of Human Coronaviruses. <i>Viruses</i> , 2022, 14, 110.	3.3	18
57	Synthesis, Characterization and Photobiological Studies of Ru(II) Dyads Derived from Oligothiophene Derivatives of 1,10-Phenanthroline. <i>Photochemistry and Photobiology</i> , 2019, 95, 267-279.	2.5	16
58	Enhanced Production and Anticancer Properties of Photoactivated Perylenequinones. <i>Journal of Natural Products</i> , 2020, 83, 2490-2500.	3.0	16
59	Synthesis and Characterization of Ru(II) Complexes with Expansive Imidazophen Ligands for the Photokilling of Human Melanoma Cells. <i>Photochemistry and Photobiology</i> , 2020, 96, 349-357.	2.5	15
60	Modification of amyloid-beta peptide aggregation via photoactivation of strained Ru(II) polypyridyl complexes. <i>Chemical Science</i> , 2021, 12, 7510-7520.	7.4	15
61	A spectroscopic study of substituted anthranilic acids as sensitive environmental probes for detecting cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 929-937.	3.0	13
62	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.	3.0	12
63	Intracellular Photophysics of an Osmium Complex bearing an Oligothiophene Extended Ligand. <i>Chemistry - A European Journal</i> , 2020, 26, 14844-14851.	3.3	10
64	NIR-Absorbing Ru II Complexes Containing Oligothiophenes for Applications in Photodynamic Therapy. <i>ChemBioChem</i> , 2020, 21, 3594-3607.	2.6	9
65	String-Attached Oligothiophene Substituents Determine the Fate of Excited States in Ruthenium Complexes for Photodynamic Therapy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6985-6994.	2.5	9
66	Ruthenium Photosensitizers for NIR PDT Require Lowest-Lying Triplet Intraligand (3IL) Excited States. <i>Journal of Photochemistry and Photobiology</i> , 2021, 8, 100067.	2.5	8
67	S-Chiral Linker Induced U Shape with a Syn-facial Sensitizer and Photocleavable Ethene Group. <i>Photochemistry and Photobiology</i> , 2019, 95, 293-305.	2.5	6
68	Light-Responsive and Protic Ruthenium Compounds Bearing Bathophenanthroline and Dihydroxybipyridine Ligands Achieve Nanomolar Toxicity towards Breast Cancer Cells. <i>Photochemistry and Photobiology</i> , 2021, , .	2.5	6
69	Chiral resolution and absolute configuration determination of new metal-based photodynamic therapy antitumor agents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114233.	2.8	6
70	Interaction with a Biomolecule Facilitates the Formation of the Function-Determining Long-Lived Triplet State in a Ruthenium Complex for Photodynamic Therapy. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1336-1344.	2.5	6
71	Nonthermalized excited states in Ru(II) polypyridyl complexes probed by ultrafast transient absorption spectroscopy with high photon energy excitation. <i>Canadian Journal of Chemistry</i> , 2008, 86, 1118-1125.	1.1	5
72	Insights into enantioselective separations of ionic metal complexes by sub/supercritical fluid chromatography. <i>Analytica Chimica Acta</i> , 2022, 1228, 340156.	5.4	3

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73	Preface: Memorial Issue Dedicated to Karen J. Brewer^{â€}. Photochemistry and Photobiology, 2022, 98, 4-5.	2.5	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