# 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 | Fineâ€Feature Modifications to Strained Ruthenium Complexes Radically Alter Their Hypoxic Anticancer Activity<sup>â€</sup>. Photochemistry and Photobiology, 2022, 98, 73-84. | 1.3 | 20 |
| 2 | Photodynamic Inactivation of Human Coronaviruses. Viruses, 2022, 14, 110. | 1.5 | 18 |
| 3 | Preface: Memorial Issue Dedicated to Karen J. Brewer<sup>â€</sup>. Photochemistry and Photobiology, 2022, 98, 4-5. | 1.3 | 0 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Remediating Desmoplasia with EGFRâ€Targeted Photoactivable Multiâ€Inhibitor Liposomes Doubles Overall Survival in Pancreatic Cancer. Advanced Science, 2022, 9, . | 5.6 | 22 |
| 9 | Insights into enantioselective separations of ionic metal complexes by sub/supercritical fluid chromatography. Analytica Chimica Acta, 2022, 1228, 340156. | 2.6 | 3 |
| 10 | 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 |
| 11 | Modification of amyloid-beta peptide aggregation via photoactivation of strained Ru(<scp>ii</scp>) polypyridyl complexes. Chemical Science, 2021, 12, 7510-7520. | 3.7 | 15 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Ruthenium Photosensitizers for NIR PDT Require Lowest-Lying Triplet Intraligand (3IL) Excited States. Journal of Photochemistry and Photobiology, 2021, 8, 100067. | 1.1 | 8 |
| 17 | Discovery of immunogenic cell death-inducing ruthenium-based photosensitizers for anticancer photodynamic therapy. OncoImmunology, 2021, 10, 1863626. | 2.1 | 22 |
| 18 | Strained, Photoejecting Ru(II) Complexes that are Cytotoxic Under Hypoxic Conditions. Photochemistry and Photobiology, 2020, 96, 327-339. | 1.3 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Metal-based photosensitizers for photodynamic therapy: the future of multimodal oncology?. Current Opinion in Chemical Biology, 2020, 56, 23-27. | 2.8 | 224 |
| 20 | 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 |
| 21 | 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 |
| 22 | Intracellular Photophysics of an Osmium Complex bearing an Oligothiophene Extended Ligand. Chemistry - A European Journal, 2020, 26, 14844-14851. | 1.7 | 10 |
| 23 | Enhanced Production and Anticancer Properties of Photoactivated Perylenequinones. Journal of Natural Products, 2020, 83, 2490-2500. | 1.5 | 16 |
| 24 | 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 |
| 25 | NIRâ€Absorbing Ru II Complexes Containing Î±â€Oligothiophenes for Applications in Photodynamic Therapy. ChemBioChem, 2020, 21, 3594-3607. | 1.3 | 9 |
| 26 | Breaking the barrier: an osmium photosensitizer with unprecedented hypoxic phototoxicity for real world photodynamic therapy. Chemical Science, 2020, 11, 9784-9806. | 3.7 | 67 |
| 27 | Os(II) Oligothienyl Complexes as a Hypoxia-Active Photosensitizer Class for Photodynamic Therapy. Inorganic Chemistry, 2020, 59, 16341-16360. | 1.9 | 37 |
| 28 | 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 |
| 29 | TLD1433 Photosensitizer Inhibits Conjunctival Melanoma Cells in Zebrafish Ectopic and Orthotopic Tumour Models. Cancers, 2020, 12, 587. | 1.7 | 28 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Synthesis, Characterization and Photobiological Studies of Ru(<scp>II</scp>) Dyads Derived from Î±â€Oligothiophene Derivatives of 1,10â€Phenanthroline. Photochemistry and Photobiology, 2019, 95, 267-279. | 1.3 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Heteroleptic Ir(III)N<sub>6</sub> Complexes with Long-Lived Triplet Excited States and in Vitro Photobiological Activities. ACS Applied Materials & Interfaces, 2019, 11, 3629-3644. | 4.0 | 45 |
| 38 | 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 |
| 39 | Photodynamic Inactivation of Herpes Simplex Viruses. Viruses, 2018, 10, 532. | 1.5 | 27 |
| 40 | Dying to Be Noticed: Epigenetic Regulation of Immunogenic Cell Death for Cancer Immunotherapy. Frontiers in Immunology, 2018, 9, 654. | 2.2 | 42 |
| 41 | Photophysical and Photobiological Properties of Dinuclear Iridium(III) Bis-tridentate Complexes. Inorganic Chemistry, 2018, 57, 9859-9872. | 1.9 | 41 |
| 42 | Cyclometalated Ruthenium(II) Complexes Derived from Î±-Oligothiophenes as Highly Selective Cytotoxic or Photocytotoxic Agents. Inorganic Chemistry, 2018, 57, 7694-7712. | 1.9 | 48 |
| 43 | Ï€-Expansive Heteroleptic Ruthenium(II) Complexes as Reverse Saturable Absorbers and Photosensitizers for Photodynamic Therapy. Inorganic Chemistry, 2017, 56, 3245-3259. | 1.9 | 57 |
| 44 | Novel Osmiumâ€based Coordination Complexes as Photosensitizers for Panchromatic Photodynamic Therapy. Photochemistry and Photobiology, 2017, 93, 1248-1258. | 1.3 | 62 |
| 45 | 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 |
| 46 | Synthesis and Photobiological Activity of Ru(II) Dyads Derived from Pyrrole-2-carboxylate Thionoesters. Inorganic Chemistry, 2017, 56, 4121-4132. | 1.9 | 59 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Organometallic Ru(II) Photosensitizers Derived from Ï€-Expansive Cyclometalating Ligands: Surprising Theranostic PDT Effects. Inorganic Chemistry, 2016, 55, 83-95. | 1.9 | 92 |
| 51 | Strained ruthenium metalâ€“organic dyads as photocisplatin agents with dual action. Journal of Inorganic Biochemistry, 2016, 158, 45-54. | 1.5 | 52 |
| 52 | 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 |
| 53 | Isolation and Synthetic Diversification of Jadomycin 4-Amino-<scp>l</scp>-phenylalanine. Journal of Natural Products, 2015, 78, 1208-1214. | 1.5 | 21 |
| 54 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Photophysics of Ru(II) Dyads Derived from Pyrenyl-Substitued Imidazo[4,5-f][1,10]phenanthroline Ligands. Journal of Physical Chemistry A, 2015, 119, 3986-3994. | 1.1 | 34 |
| 56 | 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 |
| 57 | Ru(II) Dyads Derived from 2-(1-Pyrenyl)-1H-imidazo[4,5-f][1,10]phenanthroline: Versatile Photosensitizers for Photodynamic Applications. Journal of Physical Chemistry A, 2014, 118, 10507-10521. | 1.1 | 90 |
| 58 | In Vitro Multiwavelength PDT with <sup>3</sup>IL States: Teaching Old Molecules New Tricks. Inorganic Chemistry, 2014, 53, 4548-4559. | 1.9 | 91 |
| 59 | Synthesis and antimalarial activity of prodigiosenes. Organic and Biomolecular Chemistry, 2014, 12, 4132. | 1.5 | 40 |
| 60 | Exploitation of Long-Lived <sup>3</sup>IL 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 |
| 61 | Investigations regarding the utility of prodigiosenes to treat leukemia. Organic and Biomolecular Chemistry, 2013, 11, 62-68. | 1.5 | 24 |
| 62 | 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 |
| 63 | 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 |
| 64 | Synthetic diversification of natural products: semi-synthesis and evaluation of triazole jadomycins. Chemical Science, 2012, 3, 1640. | 3.7 | 35 |
| 65 | Platinum-oxazoline complexes as anti-cancer agents: syntheses, characterisation and initial biological studies. MedChemComm, 2011, 2, 274. | 3.5 | 20 |
| 66 | Jadomycins Derived from the Assimilation and Incorporation of Norvaline and Norleucine. Journal of Natural Products, 2011, 74, 2420-2424. | 1.5 | 26 |
| 67 | Copper-mediated nuclease activity of jadomycin B. Bioorganic and Medicinal Chemistry, 2011, 19, 3357-3360. | 1.4 | 21 |
| 68 | 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 |
| 69 | Diverse DNA-Cleaving Capacities of the Jadomycins through Precursor-Directed Biosynthesis. Organic Letters, 2010, 12, 1172-1175. | 2.4 | 34 |
| 70 | 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 |
| 71 | 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 |
| 72 | Conformational Control of Excited-State Dynamics in Highly Distorted Ru(II) Polypyridyl Complexes. Inorganic Chemistry, 2005, 44, 4066-4076. | 1.9 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | 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 |
| 74 | Fluorescent Chemosensors Based on Conformational Restriction of a Biaryl Fluorophore. Journal of the American Chemical Society, 2001, 123, 1260-1261. | 6.6 | 135 |