

John A Roque, Iii

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,445
citations

567281

15
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

1776
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 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Strained, Photoejecting Ru(II) Complexes that are Cytotoxic Under Hypoxic Conditions. <i>Photochemistry and Photobiology</i> , 2020, 96, 327-339. | 2.5 | 38 |
| 7 | Os(II) Oligothiophenyl Complexes as a Hypoxia-Active Photosensitizer Class for Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2020, 59, 16341-16360. | 4.0 | 37 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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. | 4.0 | 29 |
| 11 | 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 |
| 12 | 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 |
| 13 | Discovery of immunogenic cell death-inducing ruthenium-based photosensitizers for anticancer photodynamic therapy. <i>OncImmunology</i> , 2021, 10, 1863626. | 4.6 | 22 |
| 14 | 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 |
| 15 | 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. | 2.5 | 16 |
| 16 | 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 |
| 17 | Intracellular Photophysics of an Osmium Complex bearing an Oligothiophene Extended Ligand. <i>Chemistry - A European Journal</i> , 2020, 26, 14844-14851. | 3.3 | 10 |
| 18 | NIR-Absorbing Ru(II) Complexes Containing π -Oligothiophenes for Applications in Photodynamic Therapy. <i>ChemBioChem</i> , 2020, 21, 3594-3607. | 2.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Ruthenium Photosensitizers for NIR PDT Require Lowest-Lying Triplet Intraligand (3IL) Excited States. Journal of Photochemistry and Photobiology, 2021, 8, 100067. | 2.5 | 8 |
| 20 | 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. | 2.5 | 6 |
| 21 | 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 |