

Claudio Garino

List of Publications by Year in descending order

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201385

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docs citations

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times ranked

2988
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mechanism of Ligand Photodissociation in Photoactivable [Ru(bpy) ₂ L ₂] ²⁺ Complexes: A Density Functional Theory Study. <i>Journal of the American Chemical Society</i> , 2008, 130, 9590-9597. | 6.6 | 149 |
| 2 | Computational and Spectroscopic Studies of New Rhenium(I) Complexes Containing Pyridylimidazo[1,5-a]pyridine Ligands: Charge Transfer and Dual Emission by Fine-Tuning of Excited States. <i>Organometallics</i> , 2008, 27, 1427-1435. | 1.1 | 131 |
| 3 | Copper(II) interacting with the non-steroidal antiinflammatory drug flufenamic acid: Structure, antioxidant activity and binding to DNA and albumins. <i>Journal of Inorganic Biochemistry</i> , 2013, 123, 53-65. | 1.5 | 131 |
| 4 | Origin of a counterintuitive yellow light-emitting electrochemical cell based on a blue-emitting heteroleptic copper(I) complex. <i>Dalton Transactions</i> , 2016, 45, 8984-8993. | 1.6 | 93 |
| 5 | Determination of the electronic and structural configuration of coordination compounds by synchrotron-radiation techniques. <i>Coordination Chemistry Reviews</i> , 2014, 277-278, 130-186. | 9.5 | 87 |
| 6 | Ligand-Selective Photodissociation from [Ru(bpy)(4AP) ₂] ²⁺ : a Spectroscopic and Computational Study. <i>Inorganic Chemistry</i> , 2009, 48, 1469-1481. | 1.9 | 68 |
| 7 | Photophysical properties and computational investigations of tricarbonylrhenium(I)[2-(4-methylpyridin-2-yl)benzo[d]-X-azole]L and tricarbonylrhenium(I)[2-(benzo[d]-X-azol-2-yl)-4-methylquinoline]L derivatives (X=N=CH ₃ , O, or S). <i>Journal of Organometallic Chemistry</i> , 2014, 984, 1-14. | 9.8 | 66 |
| 8 | Cationic Heteroleptic Cyclometalated Iridium Complexes with Pyridylimidazo[1,5-a]pyridine Ligands: Exploitation of an Efficient Intersystem Crossing. <i>Chemistry - A European Journal</i> , 2009, 15, 6415-6427. | 1.7 | 65 |
| 9 | Microwave-Assisted Synthesis of Near-Infrared Fluorescent Indole-Based Squaraines. <i>Organic Letters</i> , 2015, 17, 3306-3309. | 2.4 | 62 |
| 10 | Spectroscopic and Computational Study on New Blue Emitting ReL(CO) ₃ Cl Complexes Containing Pyridylimidazo[1,5-a]pyridine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3587-3591. | 1.0 | 60 |
| 11 | Click-based porous cationic polymers for enhanced carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2017, 5, 372-383. | 5.2 | 60 |
| 12 | Novel Ligand and Device Designs for Stable Light-Emitting Electrochemical Cells Based on Heteroleptic Copper(I) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 10469-10479. | 1.9 | 59 |
| 13 | Electrochemical CO ₂ Reduction at Glassy Carbon Electrodes Functionalized by Mn ^{II} and Re ^{III} Organometallic Complexes. <i>ChemPhysChem</i> , 2017, 18, 3219-3229. | 1.0 | 54 |
| 14 | Terpyridine and Quaterpyridine Complexes as Sensitizers for Photovoltaic Applications. <i>Materials</i> , 2016, 9, 137. | 1.3 | 50 |
| 15 | Electrochemical and Photochemical Reduction of CO ₂ Catalyzed by Re(I) Complexes Carrying Local Proton Sources. <i>Organometallics</i> , 2019, 38, 1351-1360. | 1.1 | 48 |
| 16 | Photo- and Electrocatalytic Reduction of CO ₂ by [Re(CO) ₃ (L) ₂ Cl] Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 296-304. | 1.8 | 45 |
| 17 | The photochemistry of transition metal complexes using density functional theory. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120134. | 1.6 | 44 |
| 18 | Gold finger formation studied by high-resolution mass spectrometry and in silico methods. <i>Chemical Communications</i> , 2015, 51, 1612-1615. | 2.2 | 43 |

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|----|---|-----|-----------|
| 19 | Photo-Induced Pyridine Substitution in $\text{cis-[Ru(bpy)}_2\text{(py)}_2\text{]Cl}_2$: A Snapshot by Time-Resolved X-ray Solution Scattering. <i>Inorganic Chemistry</i> , 2010, 49, 11240-11248. | 1.9 | 41 |
| 20 | Contextualizing yellow light-emitting electrochemical cells based on a blue-emitting imidazo-pyridine emitter. <i>Polyhedron</i> , 2018, 140, 129-137. | 1.0 | 39 |
| 21 | EXAFS, DFT, Light-Induced Nucleobase Binding, and Cytotoxicity of the Photoactive Complex $\text{cis-[Ru(bpy)}_2\text{(CO)Cl]}^+$. <i>Organometallics</i> , 2010, 29, 6703-6710. | 1.1 | 38 |
| 22 | X-ray transient absorption structural characterization of the 3MLCT triplet excited state of $\text{cis-[Ru(bpy)}_2\text{(py)}_2\text{]}^{2+}$. <i>Dalton Transactions</i> , 2013, 42, 6564. | 1.6 | 38 |
| 23 | Facile synthesis of novel blue light and large Stoke shift emitting tetradentate polyazines based on imidazo[1,5-a]pyridine. <i>Dyes and Pigments</i> , 2016, 128, 96-100. | 2.0 | 37 |
| 24 | Flavin Bioorthogonal Photocatalysis Toward Platinum Substrates. <i>ACS Catalysis</i> , 2020, 10, 187-196. | 5.5 | 34 |
| 25 | High energy resolution core-level X-ray spectroscopy for electronic and structural characterization of osmium compounds. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16152. | 1.3 | 33 |
| 26 | New substituted imidazo[1,5-a]pyridine and imidazo[5,1-a]isoquinoline derivatives and their application in fluorescence cell imaging. <i>Dyes and Pigments</i> , 2018, 157, 298-304. | 2.0 | 31 |
| 27 | Facile synthesis of novel blue light and large Stoke shift emitting tetradentate polyazines based on imidazo[1,5-a]pyridine – Part 2. <i>Dyes and Pigments</i> , 2017, 143, 284-290. | 2.0 | 30 |
| 28 | Electronic Effects of Substituents on $\text{fac-M(bpy-R)(CO)}_3$ (M = Mn, Re) Complexes for Homogeneous CO ₂ Electroreduction. <i>Frontiers in Chemistry</i> , 2019, 7, 417. | 1.8 | 28 |
| 29 | Solvent-Free Synthesis of Luminescent Copper(I) Coordination Polymers with Thiourea Derivatives. <i>Crystal Growth and Design</i> , 2015, 15, 2929-2939. | 1.4 | 27 |
| 30 | Blue fluorescent zinc(II) complexes based on tunable imidazo[1,5-a]pyridines. <i>Inorganica Chimica Acta</i> , 2020, 509, 119662. | 1.2 | 27 |
| 31 | Spectroscopic and Computational Studies of a Ru(II) Terpyridine Complex: The Importance of Weak Intermolecular Forces to Photophysical Properties. <i>Inorganic Chemistry</i> , 2007, 46, 8752-8762. | 1.9 | 25 |
| 32 | Synthesis, Electrochemical and Electrogenenerated Chemiluminescence Studies of Ruthenium(II) Bis(2,2'-bipyridyl){2-(4-methylpyridin-2-yl)benzo[d]-X-azole} Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2839-2849. | 1.0 | 23 |
| 33 | Redox-active and DNA-binding coordination complexes of clotrimazole. <i>Dalton Transactions</i> , 2015, 44, 3673-3685. | 1.6 | 23 |
| 34 | Upconverting Nanoparticles Prompt Remote Near-Infrared Photoactivation of Ru(II)-Arene Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 2801-2811. | 1.7 | 23 |
| 35 | Halogenated imidazo[1,5-a]pyridines: chemical structure and optical properties of a promising luminescent scaffold. <i>Dyes and Pigments</i> , 2019, 171, 107713. | 2.0 | 21 |
| 36 | Heck functionalization of an asymmetric aza-BODIPY core: synthesis of far-red infrared probes for bioimaging applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 884-893. | 1.5 | 19 |

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|----|---|------|-----------|
| 37 | Halogen-Bonding Interactions and Electrochemical Properties of Unsymmetrical Pyrazole Pincer Ni ^{II} Halides: A Peculiar Behavior of the Fluoride Complex (PCN)NiF. ACS Omega, 2019, 4, 1118-1129. | 1.6 | 19 |
| 38 | Photoactivated Osmium Arene Anticancer Complexes. Inorganic Chemistry, 2021, 60, 17450-17461. | 1.9 | 18 |
| 39 | Multivariate Analysis Identifying [Cu(N ^N)(P ^P)] ⁺ Design and Device Architecture Enables First-Class Blue and White Light-Emitting Electrochemical Cells. Advanced Materials, 2022, 34, e2109228. | 11.1 | 18 |
| 40 | Effect of Alkyl Chain Length on the Sensitizing Action of Substituted Non-Symmetric Squaraines for p-Type Dye-Sensitized Solar Cells. ChemElectroChem, 2017, 4, 2385-2397. | 1.7 | 17 |
| 41 | Bridging Solution and Solid-State Chemistry of Dicyanoaurate: The Case Study of Zn ^{II} -Au Nucleation Units. Inorganic Chemistry, 2020, 59, 203-213. | 1.9 | 17 |
| 42 | [Os(bpy) ₂ (CO)(enIA)](OTf) ₂ : A Novel Sulfhydryl-Specific Metal-Ligand Complex. Inorganic Chemistry, 2005, 44, 3875-3879. | 1.9 | 16 |
| 43 | Ruthenium polypyridyl squalene derivative: A novel self-assembling lipophilic probe for cellular imaging. International Journal of Pharmaceutics, 2013, 440, 221-228. | 2.6 | 16 |
| 44 | Synchrotron ultrafast techniques for photoactive transition metal complexes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120132. | 1.6 | 16 |
| 45 | Tricarbonylchlororhenium(I) Carboxaldimine Derivatives: Synthesis, Structure, and NMR Characterization of Z and E Isomers. European Journal of Inorganic Chemistry, 2006, 2006, 2885-2893. | 1.0 | 15 |
| 46 | Monitoring excited state dynamics in cis-[Ru(bpy) ₂ (py) ₂] ²⁺ by ultrafast synchrotron techniques. Catalysis Today, 2014, 229, 34-45. | 2.2 | 15 |
| 47 | Increasing DNA reactivity and in vitro antitumor activity of trans diiodido Pt(II) complexes with UVA light. Journal of Inorganic Biochemistry, 2015, 153, 211-218. | 1.5 | 15 |
| 48 | Exploring synthetic pathways to cationic heteroleptic cyclometalated iridium complexes derived from dipirydylketone. Dalton Transactions, 2012, 41, 7098. | 1.6 | 14 |
| 49 | Resonant X-ray emission spectroscopy reveals d ligand-field states involved in the self-assembly of a square-planar platinum complex. Physical Chemistry Chemical Physics, 2012, 14, 15278. | 1.3 | 14 |
| 50 | Dipyridylketone as a versatile ligand precursor for new cationic heteroleptic cyclometalated iridium complexes. Dalton Transactions, 2012, 41, 1065-1073. | 1.6 | 13 |
| 51 | Photorelease of Pyridyl Esters in Organometallic Ru(II) Arene Complexes. Molecules, 2015, 20, 7276-7291. | 1.7 | 13 |
| 52 | Teaching Inorganic Photophysics and Photochemistry with Three Ruthenium(II) Polypyridyl Complexes: A Computer-Based Exercise. Journal of Chemical Education, 2016, 93, 292-298. | 1.1 | 13 |
| 53 | Synthesis and Molecular Structure of [Fe ₄ (CO) ₁₀ (η^4 -O)(η^2 -dppn)] (dppn =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (0, 1.1 12 | 1.1 | 12 |
| 54 | Vibrational-Structural Combined Study into Luminescent Mixed Copper(I)/Copper(II) Cyanide Coordination Polymers. European Journal of Inorganic Chemistry, 2016, 2016, 2975-2983. | 1.0 | 11 |

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|----|--|-----|-----------|
| 55 | Computational study of the electrochemical reduction of W(CO) ₄ (2,2'-dipyridylamine). <i>Inorganica Chimica Acta</i> , 2018, 470, 373-378. | 1.2 | 11 |
| 56 | Light-activated generation of nitric oxide (NO) and sulfite anion radicals (SO ₃ ^{•-}) from a ruthenium(ii) nitrosylsulphito complex. <i>Dalton Transactions</i> , 2019, 48, 10812-10823. | 1.6 | 11 |
| 57 | Methoxy-substituted copper complexes as possible redox mediators in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2021, 45, 15303-15311. | 1.4 | 11 |
| 58 | Strategies to increase the quantum yield: Luminescent methoxylated imidazo[1,5-a]pyridines. <i>Dyes and Pigments</i> , 2021, 192, 109455. | 2.0 | 11 |
| 59 | Effect of Sodium Hydroxide Pretreatment of NiO Cathodes on the Performance of Squaraine-Sensitized Type Dye-Sensitized Solar Cells. <i>ChemistrySelect</i> , 2018, 3, 1066-1075. | 0.7 | 10 |
| 60 | FLUO-SPICES: natural aldehydes extraction and one-pot reaction to prepare and characterize new interesting fluorophores. <i>Education for Chemical Engineers</i> , 2018, 24, 1-6. | 2.8 | 10 |
| 61 | Spectroscopic and Computational Study of Ligand Photodissociation from [Ru(dipyrido[3,2-a:2',3'-c]phenazine)(4-aminopyridine) ₄] ²⁺ . <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1186-1195. | 1.0 | 9 |
| 62 | Structure of [Ru(bpy) _n (AP) _(6-2n)] ²⁺ homogeneous complexes: DFT calculation vs. EXAFS. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012141. | 0.3 | 8 |
| 63 | Combined Solid-State NMR and Computational Approach for Probing the CO ₂ Binding Sites in a Porous-Organic Polymer. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8850-8856. | 1.5 | 8 |
| 64 | Solid-State Structure, Quantum Calculations and Spectroscopic Characterization of the Hydrogen-Bonded Complex [Os(bpy) ₂ (CO)(EtOH·H-DMAP)] [PF ₆] ₂ . <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 606-614. | 1.0 | 7 |
| 65 | Natural aldehyde extraction and direct preparation of new blue light-emitting imidazo[1,5-a]pyridine fluorophores. <i>Natural Product Research</i> , 2018, 32, 2304-2311. | 1.0 | 7 |
| 66 | Microwave-Assisted Synthesis, Optical and Theoretical Characterization of Novel 2-(imidazo[1,5-a]pyridine-1-yl)pyridinium Salts. <i>Chemistry</i> , 2021, 3, 714-727. | 0.9 | 7 |
| 67 | Polymorphism and solid state peculiarities in imidazo[1,5-a]pyridine core deriving compounds: An analysis of energetic and structural driving forces. <i>Journal of Molecular Structure</i> , 2022, 1253, 132175. | 1.8 | 5 |
| 68 | Extensive methodology screening of meso-tetrakis-(furan-2-yl)-porphyrin microwave-assisted synthesis. <i>New Journal of Chemistry</i> , 2016, 40, 2574-2581. | 1.4 | 4 |
| 69 | Thermochromic photoluminescent 3D printed polymeric devices based on copper-iodide clusters. <i>Additive Manufacturing</i> , 2022, 49, 102504. | 1.7 | 4 |
| 70 | Electrochemical behaviour and reactivity of [Os(bpy) ₂ (CO)(OTf)] ⁺ in halogenated solvents. <i>Inorganica Chimica Acta</i> , 2005, 358, 196-200. | 1.2 | 2 |
| 71 | The crystal and molecular structure of the [Os(bpy) ₂ (CO)Cl] ⁺ OTf ⁻ complex. <i>Comptes Rendus Chimie</i> , 2005, 8, 1676-1683. | 0.2 | 2 |
| 72 | Dipyridylmethane Ethers as Ligands for Luminescent Ir Complexes. <i>Molecules</i> , 2021, 26, 7161. | 1.7 | 2 |

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|----|---|-----|-----------|
| 73 | A new auspicious scaffold for small dyes and fluorophores. <i>Dyes and Pigments</i> , 2022, 197, 109849. | 2.0 | 1 |
| 74 | 5. Structural and electronic characterization of nanosized inorganic materials by X-ray absorption spectroscopies. , 0, , . | | 0 |
| 75 | The Use of Differential EXAFS Analysis for the determination of Small Structural Differences between two closely-related Ruthenium Complexes. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012125. | 0.3 | 0 |