

Henrique Eisi Toma

List of Publications by Year in descending order

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321
papers

7,869
citations

76294

40
h-index

95218

68
g-index

325
all docs

325
docs citations

325
times ranked

7419
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Preparation and characterization of (3-aminopropyl)triethoxysilane-coated magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 279, 210-217. | 1.0 | 707 |
| 2 | Properties and reactivity of some pentacyanoferrate(II) complexes of aromatic nitrogen heterocycles. <i>Inorganic Chemistry</i> , 1973, 12, 1039-1045. | 1.9 | 213 |
| 3 | Supramolecular assemblies of ruthenium complexes and porphyrins. <i>Coordination Chemistry Reviews</i> , 2000, 196, 307-329. | 9.5 | 161 |
| 4 | Trimetallic oxides/hydroxides as hybrid supercapacitor electrode materials: a review. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10534-10570. | 5.2 | 151 |
| 5 | Ultrasensitive SERS Nanoprobes for Hazardous Metal Ions Based on Trimercaptotriazine-Modified Gold Nanoparticles. <i>Inorganic Chemistry</i> , 2008, 47, 2934-2936. | 1.9 | 117 |
| 6 | Protomers: formation, separation and characterization via travelling wave ion mobility mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2012, 47, 712-719. | 0.7 | 102 |
| 7 | Kinetics of formation and stability constants of some pentacyanoferrate(II) complexes of aromatic nitrogen heterocycles. <i>Inorganic Chemistry</i> , 1973, 12, 2080-2083. | 1.9 | 101 |
| 8 | Interaction of cationic meso-porphyrins with liposomes, mitochondria and erythrocytes. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 175-185. | 1.0 | 100 |
| 9 | The coordination chemistry at gold nanoparticles. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1158-1176. | 0.6 | 98 |
| 10 | High performance electrochemical sensors for dopamine and epinephrine using nanocrystalline carbon quantum dots obtained under controlled chronoamperometric conditions. <i>Electrochimica Acta</i> , 2016, 209, 464-470. | 2.6 | 95 |
| 11 | Determination of n-octanol/water partition and membrane binding of cationic porphyrins. <i>International Journal of Pharmaceutics</i> , 2007, 329, 12-18. | 2.6 | 91 |
| 12 | Ion pentacyano(dimethyl sulfoxide)ferrate(II). Synthesis, characterization and substitution kinetics in aqueous solution. <i>Inorganic Chemistry</i> , 1973, 12, 2084-2089. | 1.9 | 79 |
| 13 | Amperometric detection of nitrite and nitrate at tetra-ruthenated porphyrin-modified electrodes in a continuous-flow assembly. <i>Analytica Chimica Acta</i> , 2002, 452, 23-28. | 2.6 | 78 |
| 14 | Pentacyanoferrate(II) complexes: evaluation of their formal potentials and mechanism of their quenching of tris(2,2'-bipyridine)ruthenium(II) luminescence. <i>Inorganic Chemistry</i> , 1977, 16, 545-550. | 1.9 | 74 |
| 15 | Spectroscopic studies of preferential and asymmetric solvation in substituted cyanoiron(II) complexes. <i>Journal of Solution Chemistry</i> , 1983, 12, 547-561. | 0.6 | 74 |
| 16 | Determination of sulfur dioxide in wines by gas-diffusion flow injection analysis utilizing modified electrodes with electrostatically assembled films of tetra-ruthenated porphyrin. <i>Analytica Chimica Acta</i> , 1999, 387, 175-180. | 2.6 | 71 |
| 17 | Electrocatalytic activity of a new nanostructured polymeric tetra-ruthenated porphyrin film for nitrite detection. <i>Analytica Chimica Acta</i> , 2003, 480, 97-107. | 2.6 | 71 |
| 18 | Pentacyanoferrate(II) complexes of amino acids. <i>Journal of the American Chemical Society</i> , 1982, 104, 7509-7515. | 6.6 | 70 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Supramolecular Cationic Tetra-ruthenated Porphyrin Induces Single-Strand Breaks and 8-oxo-7,8-dihydro-2'-deoxyguanosine Formation in DNA in the Presence of Light. <i>Photochemistry and Photobiology</i> , 1996, 63, 272-277. | 1.3 | 69 |
| 20 | SYNTHESIS AND CHARACTERIZATION OF A MULTIBRIDGED PORPHYRIN COMPLEX CONTAINING PERIPHERAL BIS(BIPYRIDINE)-RUTHENIUM(II) GROUPS. <i>Journal of Coordination Chemistry</i> , 1993, 30, 9-17. | 0.8 | 67 |
| 21 | Luminescence, spectroelectrochemistry and photoelectrochemical properties of a tetra-ruthenated zinc porphyrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 83, 245-250. | 2.0 | 67 |
| 22 | Cobalt oxide/tetra-ruthenated cobalt-porphyrin composite for hydrogen peroxide amperometric sensors. <i>Analyst</i> , 2005, 130, 221. | 1.7 | 63 |
| 23 | Redox potentials of trinuclear μ_4 -oxo ruthenium acetate clusters with N-heterocyclic ligands. <i>Inorganica Chimica Acta</i> , 1988, 154, 63-66. | 1.2 | 60 |
| 24 | Electrochemical detection of NADH and dopamine in flow analysis based on tetra-ruthenated porphyrin modified electrodes. <i>Analytica Chimica Acta</i> , 1996, 329, 91-95. | 2.6 | 58 |
| 25 | Amperometric sensor for glucose based on electrochemically polymerized tetra-ruthenated nickel-porphyrin. <i>Analytica Chimica Acta</i> , 2005, 539, 215-222. | 2.6 | 58 |
| 26 | Rectifying properties and photoconductivity of tetra-ruthenated nickel porphyrin films. <i>Advanced Materials</i> , 1995, 7, 554-559. | 11.1 | 57 |
| 27 | Kinetics and mechanism of cyclohexane oxidation catalyzed by supramolecular manganese(III) porphyrins. <i>Journal of Catalysis</i> , 2005, 236, 55-61. | 3.1 | 57 |
| 28 | Carbon-13 and proton nuclear magnetic resonance spectra of some pentacyanoferrate(II) complexes. <i>Inorganic Chemistry</i> , 1975, 14, 2924-2928. | 1.9 | 56 |
| 29 | Acid-Base and Spectroelectrochemical Properties of Doubly N-Confused Porphyrins. <i>Inorganic Chemistry</i> , 2001, 40, 2020-2025. | 1.9 | 55 |
| 30 | Recent progress in water-splitting and supercapacitor electrode materials based on MOF-derived sulfides. <i>Journal of Materials Chemistry A</i> , 2022, 10, 430-474. | 5.2 | 54 |
| 31 | Sensitization of TiO ₂ by Supramolecules Containing Zinc Porphyrins and Ruthenium-Polypyridyl Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 396-398. | 1.9 | 53 |
| 32 | Kinetic resolution of a drug precursor by <i>Burkholderia cepacia</i> lipase immobilized by different methodologies on superparamagnetic nanoparticles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 55-62. | 1.8 | 50 |
| 33 | Lipase immobilized on polydopamine-coated magnetite nanoparticles for biodiesel production from soybean oil. <i>Biofuel Research Journal</i> , 2016, 3, 403-409. | 7.2 | 50 |
| 34 | Highly stabilized alpha-NiCo(OH) ₂ nanomaterials for high performance device application. <i>Journal of Power Sources</i> , 2012, 218, 1-4. | 4.0 | 48 |
| 35 | Surface Enhanced Raman Scattering Spot Tests: A New Insight on Feigl's Analysis Using Gold Nanoparticles. <i>Analytical Chemistry</i> , 2010, 82, 9146-9149. | 3.2 | 47 |
| 36 | Electrochemical conditioning of vanadium(V) pentoxide xerogel films. <i>Electrochemistry Communications</i> , 1999, 1, 332-335. | 2.3 | 46 |

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|----|---|-----|-----------|
| 37 | A new micro/nanoencapsulated porphyrin formulation for PDT treatment. <i>International Journal of Pharmaceutics</i> , 2009, 376, 76-83. | 2.6 | 46 |
| 38 | Ion association and charge-transfer excitation between N-heterocyclic cations and cyanoiron complexes. <i>Canadian Journal of Chemistry</i> , 1979, 57, 2079-2084. | 0.6 | 44 |
| 39 | Enantioselective transesterification catalysis by <i>Candida antarctica</i> lipase immobilized on superparamagnetic nanoparticles. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2299-2304. | 1.8 | 44 |
| 40 | Zinc tetraruthenated porphyrin binding and photoinduced oxidation of calf-thymus DNA. <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 269-273. | 1.5 | 42 |
| 41 | Amperometric quantification of sodium metabisulfite in pharmaceutical formulations utilizing tetraruthenated porphyrin film modified electrodes and batch injection analysis. <i>Talanta</i> , 2006, 68, 1281-1286. | 2.9 | 41 |
| 42 | Doubly N-Confused Porphyrins as Efficient Sensitizers for Singlet Oxygen Generation. <i>Chemistry Letters</i> , 2003, 32, 244-245. | 0.7 | 40 |
| 43 | {trans-1,4-Bis[(4-pyridyl)ethenyl]benzene}(2,2'-bipyridine)ruthenium(II) Complexes and Their Supramolecular Assemblies with β -Cyclodextrin. <i>Inorganic Chemistry</i> , 2004, 43, 3521-3527. | 1.9 | 40 |
| 44 | Neodymium(III) and lanthanum(III) separation by magnetic nanohydrometallurgy using DTPA functionalized magnetite nanoparticles. <i>Hydrometallurgy</i> , 2016, 161, 22-28. | 1.8 | 40 |
| 45 | Photoelectrochemical properties of supramolecular species containing porphyrin and ruthenium complexes on TiO ₂ films. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 56. | 1.6 | 38 |
| 46 | A highly efficient redox chromophore for simultaneous application in a photoelectrochemical dye sensitized solar cell and electrochromic devices. <i>New Journal of Chemistry</i> , 2005, 29, 320-324. | 1.4 | 37 |
| 47 | Vanadium oxide-porphyrin nanocomposites as gas sensor interfaces for probing low water content in ethanol. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 61-68. | 4.0 | 37 |
| 48 | Electrochemical properties of assembled polypyrrole/V ₂ O ₅ xerogel films. <i>Electrochimica Acta</i> , 2000, 46, 547-554. | 2.6 | 36 |
| 49 | (5,10,15,20-Tetra(4-pyridil)porphinato)manganese(III) acetate modified by four μ_3 -oxo-triruthenium acetate clusters: synthesis, characterization, electrochemical behavior and catalytic activity. <i>Inorganica Chimica Acta</i> , 2000, 305, 206-213. | 1.2 | 36 |
| 50 | Supramolecular tetracluster-cobalt porphyrin: a four-electron transfer catalyst for dioxygen reduction. <i>Electrochimica Acta</i> , 2004, 49, 3711-3718. | 2.6 | 36 |
| 51 | Interaction of 2- and 4-Mercaptopyridine with Pentacyanoferrates and Gold Nanoparticles. <i>Inorganic Chemistry</i> , 2006, 45, 94-101. | 1.9 | 36 |
| 52 | Electrochemical and corrosion studies of poly(nickel-tetraaminophthalocyanine) on carbon steel. <i>Electrochimica Acta</i> , 2006, 52, 519-526. | 2.6 | 36 |
| 53 | Dissociation kinetics of pentacyanoiron(II) complexes of ammonia and methylamine. <i>Inorganic Chemistry</i> , 1974, 13, 1772-1774. | 1.9 | 35 |
| 54 | Modulation of vectorial energy transfer in the tetrakis[tris(bipyridine)ruthenium(II)]porphyrinate zinc complex. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 142, 25-30. | 2.0 | 35 |

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|----|---|-----|-----------|
| 55 | Probing the binding of tetraplatinum(pyridyl)porphyrin complexes to DNA by means of surface plasmon resonance. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 182-189. | 1.5 | 35 |
| 56 | Iron(II) catalysis in the oxidation of the aquopentacyanoferrate(II) complex by molecular oxygen. <i>Inorganica Chimica Acta</i> , 1975, 15, 205-211. | 1.2 | 34 |
| 57 | Kinetics, electrochemistry and resonance raman spectra of the (2-mercaptopyridine)(edta)ruthenium(III) complex. <i>Polyhedron</i> , 1987, 6, 603-611. | 1.0 | 34 |
| 58 | A nitric oxide releaser based on the $\hat{1}/4$ -oxo-hexaacetate-bis(4-methylpyridine)triruthenium nitrosyl complex. <i>Inorganica Chimica Acta</i> , 2005, 358, 2891-2899. | 1.2 | 34 |
| 59 | Versatile electrochromic displays based on TiO ₂ nanoporous films modified with triruthenium clusters. <i>Electrochemistry Communications</i> , 2006, 8, 1628-1632. | 2.3 | 34 |
| 60 | Confocal Raman and electronic microscopy studies on the topotactic conversion of calcium carbonate from <i>Pomacea lineata</i> shells into hydroxyapatite bioceramic materials in phosphate media. <i>Micron</i> , 2010, 41, 983-989. | 1.1 | 34 |
| 61 | A calix[4]arene receptor modified with 8-hydroxyquinoline for supramolecular energy transfer. <i>New Journal of Chemistry</i> , 2000, 24, 841-844. | 1.4 | 33 |
| 62 | Photochemistry of doubly N-confused porphyrin bonded to non-conventional high oxidation state Ag(III) and Cu(III) ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 403-411. | 2.0 | 33 |
| 63 | Synthesis and characterization of a polymetallic supermolecule containing four ruthenium(II)-bipyridine complexes attached to an iron(II) polyimine center. <i>Inorganica Chimica Acta</i> , 1997, 257, 197-202. | 1.2 | 32 |
| 64 | Extended Electronic Interactions in a Triangular $\hat{1}/4$ -Oxotruthenium Acetate Cluster Containing Nitric Oxide. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3010-3017. | 1.0 | 32 |
| 65 | Electrospray mass and tandem mass spectrometry of homologous and isomeric singly, doubly, triply and quadruply charged cationic ruthenated meso-(phenyl)m-(meta- and para-pyridyl) _n (m + n = 4) macrocyclic porphyrin complexes. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1161-1167. | 0.7 | 32 |
| 66 | Binding of pentaammineruthenium(II) residues to the tris(bipyrazine)ruthenium(II) cation. <i>Inorganic Chemistry</i> , 1987, 26, 4257-4263. | 1.9 | 31 |
| 67 | Synthesis and electrochemical behavior of a tetrametallated cobalt porphyrin. <i>Inorganica Chimica Acta</i> , 1991, 179, 293-296. | 1.2 | 31 |
| 68 | Proton-induced switching and control of intramolecular electron transfer on a benzotriazole-bridged symmetric mixed-valence ruthenium complex. <i>Inorganic Chemistry Communication</i> , 2001, 4, 230-236. | 1.8 | 31 |
| 69 | Enhanced electrochemical and electrocatalytic activity of a new supramolecular manganese-porphyrin species containing four bis(bipyridine)(aqua)ruthenium(II) complexes. <i>Journal of Electroanalytical Chemistry</i> , 2004, 562, 145-152. | 1.9 | 31 |
| 70 | New hydrazine sensors based on electropolymerized meso-tetra(4-sulphonatophenyl)porphyrinate manganese(III)/silver nanomaterial. <i>Talanta</i> , 2008, 74, 730-735. | 2.9 | 31 |
| 71 | Singlet oxygen quantum yields ($\hat{1} \downarrow d$) in water using beetroot extract and an array of LEDs. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 31-36. | 0.6 | 31 |
| 72 | Hydrate-carbonyl equilibrium in the complex pentacyano(4-formylpyridine)iron(II) and the kinetics of some related electron exchange reactions. <i>Journal of the American Chemical Society</i> , 1975, 97, 288-293. | 6.6 | 30 |

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|----|---|-----|-----------|
| 73 | Spectroscopic and kinetic studies on a series of di- to heptanuclear tris(bipyrazine)ruthenium(II)-pentacyanoferrate(II) complexes in aqueous solution. <i>Inorganic Chemistry</i> , 1986, 25, 176-181. | 1.9 | 30 |
| 74 | Mixed 8-oxyquinolinecalix[4]arene/phenanthroline receptors as luminescence sensors for zinc(II) ions. <i>Inorganic Chemistry Communication</i> , 2003, 6, 288-293. | 1.8 | 30 |
| 75 | Unravelling the Chemical Morphology of a Mesoporous Titanium Dioxide Interface by Confocal Raman Microscopy: New Clues for Improving the Efficiency of Dye Solar Cells and Photocatalysts. <i>Langmuir</i> , 2009, 25, 11269-11271. | 1.6 | 30 |
| 76 | Unraveling the nature of Turkevich gold nanoparticles: the unexpected role of the dicarboxyketone species. <i>RSC Advances</i> , 2015, 5, 5716-5724. | 1.7 | 30 |
| 77 | The SERS effect in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2017, 333, 108-131. | 9.5 | 30 |
| 78 | Tunable blue organic light emitting diode based on aluminum calixarene supramolecular complex. <i>Applied Physics Letters</i> , 2004, 85, 10-12. | 1.5 | 29 |
| 79 | Magnetite Nanoparticles Bonded Carbon Quantum Dots Magnetically Confined onto Screen Printed Carbon Electrodes and their Performance as Electrochemical Sensor for NADH. <i>Electroanalysis</i> , 2017, 29, 1968-1975. | 1.5 | 29 |
| 80 | Lipophilic magnetite nanoparticles coated with stearic acid: A potential agent for friction and wear reduction. <i>Tribology International</i> , 2017, 112, 10-19. | 3.0 | 29 |
| 81 | Linkage isomerization and electrochemical behavior of two geometrical isomers of dichlorobis(dimethylsulfoxide)bis(t-butylpyridine)ruthenium(II). <i>Canadian Journal of Chemistry</i> , 1994, 72, 1705-1708. | 0.6 | 28 |
| 82 | A New Insight on the Preparation of Stabilized Alpha-Nickel Hydroxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3985-3996. | 0.9 | 28 |
| 83 | Electrode materials based on $\hat{1}\pm$ -NiCo(OH) ₂ and rGO for high performance energy storage devices. <i>RSC Advances</i> , 2016, 6, 102504-102512. | 1.7 | 28 |
| 84 | A nano-magnetic electrochemical sensor for the determination of mood disorder related substances. <i>RSC Advances</i> , 2018, 8, 14040-14047. | 1.7 | 28 |
| 85 | Preferential solvation effects in the electrochemistry and charge-transfer spectra of cyanoiron(II) complexes. <i>Journal of Solution Chemistry</i> , 1989, 18, 575-583. | 0.6 | 27 |
| 86 | Synthesis, spectroscopy, tandem mass spectrometry, and electrochemistry of the linearly bridged $\hat{1}\frac{3}{4}$ -{trans-1,4-bis[2-(4-pyridyl)ethenyl]-benzene}-{Ru3O(CH3COO)6(py)2}2 cluster. <i>Inorganica Chimica Acta</i> , 2004, 357, 2253-2260. | 1.2 | 27 |
| 87 | Selective host-guest interactions on mesoporous TiO2 films modified with carboxymethyl- $\hat{1}^2$ -cyclodextrin. <i>Surface Science</i> , 2006, 600, 4591-4597. | 0.8 | 27 |
| 88 | Controlled Stabilization and Flocculation of Gold Nanoparticles by Means of 2-Pyrazin-2-ylethanethiol and Pentacyanidoferrate(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3356-3364. | 1.0 | 27 |
| 89 | New tunable ruthenium complex dyes for TiO2 solar cells. <i>Inorganica Chimica Acta</i> , 2013, 404, 23-28. | 1.2 | 27 |
| 90 | Spectroelectrochemical behaviour of the trinuclear [Ru3O(O2CCH3)6(isonicotinamide)3] cluster. <i>Canadian Journal of Chemistry</i> , 1989, 67, 1632-1635. | 0.6 | 26 |

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|-----|--|-----|-----------|
| 91 | Molecular materials and devices: developing new functional systems based on the coordination chemistry approach. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 845. | 0.6 | 26 |
| 92 | Multielectronic redox and electrocatalytic supramolecular films based on a tetraruthenated iron porphyrin. <i>Electrochimica Acta</i> , 2006, 52, 263-271. | 2.6 | 26 |
| 93 | Hybrid Scaffolds Built From PET and Collagen as a Model For Vascular Graft Architecture. <i>Macromolecular Bioscience</i> , 2012, 12, 1660-1670. | 2.1 | 26 |
| 94 | Magnetic nanohydrometallurgy: A promising nanotechnological approach for metal production and recovery using functionalized superparamagnetic nanoparticles. <i>Hydrometallurgy</i> , 2012, 125-126, 148-151. | 1.8 | 26 |
| 95 | Reactions of the bis(ethylenediamine)-(pyrazinecarboxylate)cobalt(III) complex with the aquopentacyanoferrate(III) and pentacyanocobaltate(II) ions. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1975, 37, 785-791. | 0.5 | 25 |
| 96 | Spectroscopy, electrochemistry and catalytic properties of ruthenium(II) complexes containing the tetradentate Schiff base ligand N,N'-bis(7-methyl-2-pyridylmethylene)-1,3-diiminopropane. <i>Inorganica Chimica Acta</i> , 2003, 348, 50-56. | 1.2 | 25 |
| 97 | Study of the spectroscopic and electrochemical properties of tetraruthenated porphyrins by theoretical and experimental approach. <i>Inorganica Chimica Acta</i> , 2005, 358, 2629-2642. | 1.2 | 25 |
| 98 | Vibrational spectra and theoretical studies of tautomerism and hydrogen bonding in the violuric acid and 6-amino-5-nitrosouracil system. <i>Vibrational Spectroscopy</i> , 2007, 44, 133-141. | 1.2 | 25 |
| 99 | Fast and reliable analyses of sulphite in fruit juices using a supramolecular amperometric detector encompassing in flow gas diffusion unit. <i>Food Chemistry</i> , 2011, 127, 249-255. | 4.2 | 25 |
| 100 | GO composite encompassing a tetraruthenated cobalt porphyrin-Ni coordination polymer and its behavior as isoniazid BIA sensor. <i>Electrochimica Acta</i> , 2019, 300, 113-122. | 2.6 | 25 |
| 101 | Asymmetric mixed-valence binuclear ruthenium complexes containing benzotriazolone or benzimidazolone bridging ligands. <i>Inorganica Chimica Acta</i> , 2000, 310, 65-80. | 1.2 | 24 |
| 102 | Long-term aging of vanadium(V) oxide xerogel precursor solutions: structural and electrochemical implications. <i>Electrochimica Acta</i> , 2001, 47, 441-450. | 2.6 | 24 |
| 103 | Hybrid polyaniline/bentonite-vanadium(V) oxide nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 347, 374-381. | 2.6 | 24 |
| 104 | Conduction and photoelectrochemical properties of monomeric and electropolymerized tetraruthenated porphyrin films. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 359. | 1.6 | 24 |
| 105 | Ultrasmall cationic superparamagnetic iron oxide nanoparticles as nontoxic and efficient MRI contrast agent and magnetic-targeting tool. <i>International Journal of Nanomedicine</i> , 2015, 10, 4731. | 3.3 | 24 |
| 106 | Pushing the surface-enhanced Raman scattering analyses sensitivity by magnetic concentration: A simple non core-shell approach. <i>Analytica Chimica Acta</i> , 2015, 855, 70-75. | 2.6 | 24 |
| 107 | Simultaneous determination of acetaminophen and tyrosine using a glassy carbon electrode modified with a tetraruthenated cobalt(II) porphyrin intercalated into a smectite clay. <i>Mikrochimica Acta</i> , 2016, 183, 3243-3253. | 2.5 | 24 |
| 108 | Synthesis and Characterization of a Dodecanuclear Ruthenium Pyrazine Cluster. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 267-270. | 0.6 | 24 |

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|-----|---|-----|-----------|
| 109 | Highly conductive electrostatically assembled porphyrazine films. <i>Electrochemistry Communications</i> , 2000, 2, 749-753. | 2.3 | 23 |
| 110 | Contrasting photoelectrochemical behaviour of two isomeric supramolecular dyes based on meso-tetra(pyridyl)porphyrin incorporating four (1/4-3-oxo)- triruthenium(III) clusters. <i>New Journal of Chemistry</i> , 2008, 32, 1167. | 1.4 | 23 |
| 111 | Polymethine cyanine dyes in β -cyclodextrin solution: multiple equilibria and chemical oxidation. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 893-903. | 0.9 | 23 |
| 112 | Silver recovery using electrochemically active magnetite coated carbon particles. <i>Hydrometallurgy</i> , 2014, 147-148, 241-245. | 1.8 | 23 |
| 113 | Magnetic nanohydrometallurgy: a nanotechnological approach to elemental sustainability. <i>Green Chemistry</i> , 2015, 17, 2027-2041. | 4.6 | 23 |
| 114 | Efficient electrochemical biosensors for ethynylestradiol based on the laccase enzyme supported on single walled carbon nanotubes decorated with nanocrystalline carbon quantum dots. <i>Analytical Methods</i> , 2016, 8, 7254-7259. | 1.3 | 23 |
| 115 | Electrospray Ionization Tandem Mass Spectrometry of Polymetallic 1/4-Oxo- and Carboxylate-Bridged [Ru ₃ O(CH ₃ COO) ₆ (Py) ₂ (L)] ⁺ Complexes: Intrinsic Ligand (L) Affinities with Direct Access to Steric Effects. <i>Organometallics</i> , 2006, 25, 3245-3250. | 1.1 | 22 |
| 116 | A Convergent Approach for the Generation of Dendrimers Containing the [Ru ₃ O(CH ₃ COO) ₆] Electroactive Core. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2266-2271. | 1.0 | 22 |
| 117 | Exploring the coordination chemistry of isomerizable terpyridine derivatives for successful analyses of cis and trans isomers by travelling wave ion mobility mass spectrometry. <i>Analyst</i> , 2012, 137, 4045. | 1.7 | 22 |
| 118 | Basicity constants of iron(II) and ruthenium(II) complexes of 2,6-dimethylpyrazine. <i>Inorganic Chemistry</i> , 1985, 24, 3085-3088. | 1.9 | 21 |
| 119 | Spectroelectrochemical and photophysical properties of a (3,4-pyridyl) porphyrazine supermolecule containing four [Ru(bipy) ₂ Cl] ⁺ groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 118, 11-17. | 2.0 | 21 |
| 120 | Proton-Coupled Redox Chemistry, Oxidative Reactivity, and Electronic Characterization of Aqua-, Hydroxo-, and Oxo-Triruthenium Clusters. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1487-1495. | 1.0 | 21 |
| 121 | Catalytic oxidation of hydrocarbons by trinuclear 1/4-oxo-bridged ruthenium-acetate clusters: Radical versus non-radical mechanisms. <i>Journal of Catalysis</i> , 2008, 260, 188-192. | 3.1 | 21 |
| 122 | Enzymatic kinetic resolution of (RS)-1-(Phenyl)ethanols by <i>Burkholderia cepacia</i> lipase immobilized on magnetic nanoparticles. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1537-1542. | 0.6 | 21 |
| 123 | Improving the catalytic activity of formate dehydrogenase from <i>Candida boidinii</i> by using magnetic nanoparticles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 84, 136-143. | 1.8 | 21 |
| 124 | Intervalence transfer properties of the binuclear 1/4-benzotriazolate- and 1/4-benzimidazole-bis{ruthenium(II)/(III)-edta} complexes. <i>Inorganica Chimica Acta</i> , 1999, 285, 197-202. | 1.2 | 20 |
| 125 | Recent Progress in Core@Shell Sulfide Electrode Materials for Advanced Supercapacitor Devices. <i>Batteries and Supercaps</i> , 2021, 4, 1397-1427. | 2.4 | 20 |
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