## Giuseppe Mele

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5594954/publications.pdf Version: 2024-02-01



| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Molecularly Imprinted Polymers: Present and Future Prospective. International Journal of Molecular<br>Sciences, 2011, 12, 5908-5945.   | 4.1  | 809       |
| 2  | Synthesis of a novel cardanol-based benzoxazine monomer and environmentally sustainable production of polymers and bio-composites. Green Chemistry, 2007, 9, 754.  | 9.0  | 254       |
| 3  | Photocatalytic degradation of 4-nitrophenol in aqueous suspension by using polycrystalline TiO2<br>impregnated with functionalized Cu(II)–porphyrin or Cu(II)–phthalocyanine. Journal of Catalysis,<br>2003, 217, 334-342.                       | 6.2  | 205       |
| 4  | Degradation of 4-nitrophenol (4-NP) using Fe–TiO2 as a heterogeneous photo-Fenton catalyst. Journal of Hazardous Materials, 2010, 176, 569-574.  | 12.4 | 163       |
| 5  | Plasticizer for poly(vinyl chloride) from cardanol as a renewable resource material. Polymer<br>Degradation and Stability, 2010, 95, 2169-2174.  | 5.8  | 150       |
| 6  | Efficient degradation of 4-nitrophenol by using functionalized porphyrin-TiO2 photocatalysts under visible irradiation. Applied Catalysis B: Environmental, 2007, 76, 218-226.   | 20.2 | 134       |
| 7  | Óleo da castanha de caju: oportunidades e desafios no contexto do desenvolvimento e<br>sustentabilidade industrial. Quimica Nova, 2009, 32, 732-741.   | 0.3  | 108       |
| 8  | Cellulose Derivativeâ^'Hyaluronic Acid-Based Microporous Hydrogels Cross-Linked through Divinyl<br>Sulfone (DVS) To Modulate Equilibrium Sorption Capacity and Network Stability. Biomacromolecules,<br>2004, 5, 92-96.                          | 5.4  | 106       |
| 9  | Enhanced photocatalytic degradation of rhodamine B by surface modification of ZnO with copper (II)<br>porphyrin under both UV–vis and visible light irradiation. Journal of Molecular Catalysis A, 2013, 366,<br>84-91.                          | 4.8  | 106       |
| 10 | Environmentally sustainable production of cellulose-based superabsorbent hydrogels. Green<br>Chemistry, 2006, 8, 439.  | 9.0  | 95        |
| 11 | Study of technical CNSL and its main components as new green larvicides. Green Chemistry, 2009, 11, 31-33.   | 9.0  | 93        |
| 12 | TRMC, XPS, and EPR Characterizations of Polycrystalline TiO2 Porphyrin Impregnated Powders and<br>Their Catalytic Activity for 4-Nitrophenol Photodegradation in Aqueous Suspension. Journal of<br>Physical Chemistry B, 2005, 109, 12347-12352. | 2.6  | 87        |
| 13 | Photocatalytic Activity of Novel Tin Porphyrin/TiO <sub>2</sub> Based Composites. Journal of Physical Chemistry C, 2010, 114, 7857-7862.   | 3.1  | 87        |
| 14 | Photocatalytic Degradation of 4-Nitrophenol in Aqueous Suspension by Using Polycrystalline<br>TiO2Impregnated with Lanthanide Double-Decker Phthalocyanine Complexes. Journal of Physical<br>Chemistry C, 2007, 111, 6581-6588.                  | 3.1  | 85        |
| 15 | Photocatalytic degradation of 4-nitrophenol in aqueous suspension by using polycrystalline TiO2<br>samples impregnated with Cu(II)-phthalocyanine. Applied Catalysis B: Environmental, 2002, 38, 309-319.  | 20.2 | 83        |
| 16 | Cardanol based matrix biocomposites reinforced with natural fibres. Composites Science and Technology, 2004, 64, 839-845.  | 7.8  | 81        |
| 17 | Experimental evaluation of new inorganic phosphites as corrosion inhibitors for carbon steel in saline water from oil source wells. Desalination, 2016, 383, 38-45.  | 8.2  | 77        |
| 18 | Novel meso-substituted porphyrins: Synthesis, characterization and photocatalytic activity of their<br>TiO2-based composites. Dyes and Pigments, 2009, 80, 321-328.  | 3.7  | 70        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Polycrystalline TiO2impregnated with cardanol-based porphyrins for the photocatalytic degradation of 4-nitrophenol. Green Chemistry, 2004, 6, 604-608.   | 9.0 | 66        |
| 20 | Influence of newly synthesized titanium phosphates on the corrosion protection properties of alkyd coating. Journal of Molecular Liquids, 2016, 216, 699-703.  | 4.9 | 63        |
| 21 | The photocatalytic activity of novel, substituted porphyrin/TiO2-based composites. Dyes and Pigments, 2010, 84, 183-189.   | 3.7 | 61        |
| 22 | Magnetic nanoparticles for a new drug delivery system to control quercetin releasing for cancer chemotherapy. Journal of Nanoparticle Research, 2011, 13, 6545-6553.   | 1.9 | 61        |
| 23 | Cardanol-Based Materials as Natural Precursors for Olefin Metathesis. Molecules, 2011, 16, 6871-6882.  | 3.8 | 59        |
| 24 | Novel epoxy/metal phthalocyanines nanocomposite coatings for corrosion protection of carbon steel. Journal of Molecular Liquids, 2016, 220, 513-517.   | 4.9 | 58        |
| 25 | Fine Chemicals and New Hybrid Materials From Cardanol. Mini-Reviews in Organic Chemistry, 2008, 5, 243-253.  | 1.3 | 57        |
| 26 | Novel hydroxyapatite nanorods improve anti-caries efficacy of enamel infiltrants. Dental Materials, 2016, 32, 784-793.   | 3.5 | 55        |
| 27 | Synthesis and characteristics of alkyd resin/M-Porphyrins nanocomposite for corrosion protection application. Progress in Organic Coatings, 2017, 105, 286-290.  | 3.9 | 53        |
| 28 | Stainless steel bipolar plate coated with polyaniline/Zn-Porphyrin composites coatings for proton exchange membrane fuel cell. Scientific Reports, 2020, 10, 3277.   | 3.3 | 53        |
| 29 | Photoreduction of Carbon Dioxide to Formic Acid in Aqueous Suspension: A Comparison between<br>Phthalocyanine/TiO2 and Porphyrin/TiO2 Catalysed Processes. Molecules, 2015, 20, 396-415.                                 | 3.8 | 51        |
| 30 | TiO2-based photocatalysts impregnated with metallo-porphyrins employed for degradation of<br>4-nitrophenol in aqueous solutions: role of metal and macrocycle. Research on Chemical<br>Intermediates, 2007, 33, 433-448. | 2.7 | 44        |
| 31 | Turning lipophilic phthalocyanines/TiO2 composites into efficient photocatalysts for the conversion<br>of CO2 into formic acid under UV–vis light irradiation. Applied Catalysis A: General, 2014, 481, 169-172.         | 4.3 | 44        |
| 32 | Metal-Free Multilayer Hybrid PENG Based on Soft Electrospun/-Sprayed Membranes with Cardanol<br>Additive for Harvesting Energy from Surgical Face Masks. ACS Applied Materials & Interfaces, 2021,<br>13, 20606-20621.   | 8.0 | 44        |
| 33 | Synthesis and reactions of nitro derivatives of hydrogenated cardanol. Tetrahedron, 2006, 62, 6113-6120.   | 1.9 | 43        |
| 34 | Solvent Free Synthesis of Novel Mono- and Bis-Benzoxazines from Cashew Nut Shell Liquid<br>Components. Current Organic Chemistry, 2012, 16, 2613-2621.   | 1.6 | 41        |
| 35 | Polyaniline/Zn-phthalocyanines nanocomposite for protecting zinc electrode in Zn-air battery.<br>Journal of Power Sources, 2019, 443, 227264.  | 7.8 | 41        |
| 36 | Heterogenized Pyridine-Substituted Cobalt(II) Phthalocyanine Yields Reduction of CO <sub>2</sub> by<br>Tuning the Electron Affinity of the Co Center. ACS Applied Materials & Interfaces, 2020, 12,<br>5251-5258.        | 8.0 | 41        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Tetrabromo Hydrogenated Cardanol:  Efficient and Renewable Brominating Agent. Organic Letters, 2006, 8, 4291-4293.   | 4.6 | 39        |
| 38 | Palladium-catalysed cyclocarbonylation reactions in dimethyl carbonate, an eco-friendly solvent and ring-opening reagent. Applied Organometallic Chemistry, 2003, 17, 835-839.   | 3.5 | 37        |
| 39 | MZnFe2O4 (MÂ=ÂNi, Mn) cubic superparamagnetic nanoparticles obtained by hydrothermal synthesis.<br>Journal of Nanoparticle Research, 2013, 15, 1.  | 1.9 | 37        |
| 40 | Rapid Sonochemical Approach Produces Functionalized Fe <sub>3</sub> O <sub>4</sub> Nanoparticles<br>with Excellent Magnetic, Colloidal, and Relaxivity Properties for MRI Application. Journal of Physical<br>Chemistry C, 2017, 121, 24206-24222. | 3.1 | 37        |
| 41 | Structural and Molecular Characterization of meso-Substituted Zinc Porphyrins: A DFT Supported Study. Molecules, 2011, 16, 9957-9971.  | 3.8 | 34        |
| 42 | Metalloporphyrin intercalation in liposome membranes: ESR study. Journal of Biological Inorganic<br>Chemistry, 2011, 16, 173-181.  | 2.6 | 34        |
| 43 | Cashew Nutshell Liquid (CNSL): From an Agro-industrial Waste to a Sustainable Alternative to Petrochemical Resources. , 2017, , 19-38.   |     | 34        |
| 44 | Synthesis of Heterocycles by Transition Metals-Catalyzed Cyclocarbonylation Reactions. Current Organic Chemistry, 2006, 10, 1397-1421.   | 1.6 | 33        |
| 45 | Spectral and thermal studies on the synthesis and catalyzed oligomerization of novel cardanol-based benzoxazines. Polymer, 2016, 92, 189-200.  | 3.8 | 33        |
| 46 | Efficient removal of low-arsenic concentrations from drinking water by combined coagulation and adsorption processes. Separation and Purification Technology, 2015, 147, 284-291.  | 7.9 | 32        |
| 47 | Aminium salts catalyzed rearrangement of α-pinene and β-ionone oxides. Tetrahedron, 1994, 50, 9097-9106.   | 1.9 | 31        |
| 48 | Synthesis of novel lipophilic porphyrin-cardanol derivatives. Journal of Porphyrins and Phthalocyanines, 2004, 08, 1276-1284.  | 0.8 | 31        |
| 49 | Sustainable Preparation of Cardanol-Based Nanocarriers with Embedded Natural Phenolic Compounds. ACS Sustainable Chemistry and Engineering, 2014, 2, 1299-1304.  | 6.7 | 31        |
| 50 | A New Ion-Imprinted Chitosan-Based Membrane with an Azo-Derivative Ligand for the Efficient Removal of Pd(II). Materials, 2017, 10, 1133.  | 2.9 | 29        |
| 51 | PANI@Co-Porphyrins composite for the construction of supercapacitors. Journal of Energy Storage, 2019, 26, 101013.   | 8.1 | 29        |
| 52 | Influence of Cardanol Oil on the Properties of Poly(lactic acid) Films Produced by Melt Extrusion.<br>ACS Omega, 2019, 4, 718-726.   | 3.5 | 29        |
| 53 | Use of Novel Cardanol-Porphyrin Hybrids and Their TiO2-Based Composites for the Photodegradation of 4-Nitrophenol in Water. Molecules, 2011, 16, 5769-5784.  | 3.8 | 27        |
| 54 | First Example of a Lipophilic Porphyrin-Cardanol Hybrid Embedded in a Cardanol-Based Micellar<br>Nanodispersion. Molecules, 2012, 17, 12252-12261.   | 3.8 | 27        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Novel phthalocyanines containing cardanol derivatives. Journal of Porphyrins and Phthalocyanines, 2003, 07, 52-57.  | 0.8 | 26        |
| 56 | Magnetic nanoparticles coated with anacardic acid derived from cashew nut shell liquid. Journal of<br>Materials Science, 2013, 48, 7875-7882.   | 3.7 | 26        |
| 57 | Photocatalytic activity of nano and microcrystalline TiO2 hybrid systems involving phthalocyanine or porphyrin sensitizers. Photochemical and Photobiological Sciences, 2011, 10, 361-366.              | 2.9 | 25        |
| 58 | Magnetic Nanosystem for Cancer Therapy Using Oncocalyxone A, an Antitomour Secondary Metabolite<br>Isolated from a Brazilian Plant. International Journal of Molecular Sciences, 2013, 14, 18269-18283. | 4.1 | 25        |
| 59 | Controlling micropollutants in tertiary municipal wastewater by O3/H2O2, granular biofiltration and UV254/H2O2 for potable reuse applications. Chemosphere, 2020, 239, 124635.                          | 8.2 | 25        |
| 60 | Palladium (II) catalyzed regioselective lactonization of steroids. Chemoselective construction of novel estrone derivatives. Tetrahedron Letters, 1999, 40, 1771-1774.                                  | 1.4 | 24        |
| 61 | Comparison of the photocatalytic degradation of 2-propanol in gas–solid and liquid–solid systems by<br>using TiO2–LnPc2 hybrid powders. Catalysis Today, 2009, 143, 203-210.                            | 4.4 | 24        |
| 62 | Novel Lipophilic Lanthanide Bis-Phthalocyanines Functionalized by Pentadecylphenoxy Groups:<br>Synthesis, Characterization and UV-Photostability. Molecules, 2012, 17, 10738-10753.                     | 3.8 | 24        |
| 63 | Synthesis and Evaluation of Pyrido[2,3â€d]pyrimidine and 1,8â€Naphthyridine Derivatives as Potential<br>Antitumor Agents. Journal of Heterocyclic Chemistry, 2017, 54, 295-300.                         | 2.6 | 24        |
| 64 | Green Aspects in Molecularly Imprinted Polymers by Biomass Waste Utilization. Polymers, 2021, 13, 2430.   | 4.5 | 24        |
| 65 | Synthesis of bislactones catalysed by a Pd-dppb system. Applied Organometallic Chemistry, 2000, 14,<br>739-743.   | 3.5 | 23        |
| 66 | An efficient route to biscardanol derivatives and cardanol-based porphyrins via olefin metathesis.<br>Journal of Organometallic Chemistry, 2006, 691, 5383-5390.  | 1.8 | 23        |
| 67 | Novel ferrofluids coated with a renewable material obtained from cashew nut shell liquid.<br>Microfluidics and Nanofluidics, 2012, 12, 677-686.   | 2.2 | 23        |
| 68 | Electron-transfer reactions of hindered olefins induced by aminium salts Tetrahedron Letters, 1991, 32, 117-120.  | 1.4 | 22        |
| 69 | Exploring corrosion protection properties of alkyd@lanthanide bis-phthalocyanine nanocomposite coatings. RSC Advances, 2018, 8, 1909-1916.  | 3.6 | 22        |
| 70 | Impact of different TiO 2 samples and porphyrin substituents on the photocatalytic performance of TiO 2 @copper porphyrin composites. Catalysis Today, 2017, 281, 45-52.                                | 4.4 | 21        |
| 71 | Synthesis of novel porphyrins cardanol based via cross metathesis. Catalysis Today, 2009, 140, 37-43.   | 4.4 | 20        |
| 72 | Porphyrin synthesized from cashew nut shell liquid as part of a novel superparamagnetic fluorescence nanosystem. Journal of Nanoparticle Research, 2013, 15, 1.   | 1.9 | 20        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Reactions on aromatic olefins induced by aminium salts: protic-acid or radical cation catalyzed processes. Tetrahedron, 1994, 50, 12685-12696.  | 1.9 | 18        |
| 74 | The solid- and solution-state structures of 2-nitrosopyridine and its 3- and 4-methyl derivatives. Perkin Transactions II RSC, 2000, , 2280-2286.   | 1.1 | 18        |
| 75 | Interfacial Properties of Substituted Fulleropyrrolidines on the Water Surface. Langmuir, 2000, 16, 4599-4606.  | 3.5 | 18        |
| 76 | New ZnO@Cardanol Porphyrin Composite Nanomaterials with Enhanced Photocatalytic Capability under Solar Light Irradiation. Materials, 2017, 10, 1114.  | 2.9 | 18        |
| 77 | Influence of natural substituents in the polymerization behavior of novel bio-based benzoxazines.<br>Materials Today Communications, 2019, 21, 100629.  | 1.9 | 18        |
| 78 | Noncovalent imprinted microspheres: Preparation, evaluation and selectivity of DBU template. Journal of Applied Polymer Science, 2007, 105, 2190-2197.  | 2.6 | 17        |
| 79 | Cyclocarbonylation reactions of allylphenols and allylnaphthols catalyzed by Pd/C-<br>1,4-bis(diphenylphosphine)butane. Applied Organometallic Chemistry, 2002, 16, 543-546.  | 3.5 | 15        |
| 80 | Long-range order induced by cobalt porphyrin adsorption on aminothiophenol-functionalized Au(111):<br>the influence of the induced dipole. Materials Science and Engineering C, 2004, 24, 569-573.                  | 7.3 | 15        |
| 81 | First evidence of formation of stable DBU <font>Zn</font> -phthalocyanine complexes: synthesis and characterization. Journal of Porphyrins and Phthalocyanines, 2005, 09, 519-527.                                  | 0.8 | 15        |
| 82 | Effect of covalent functionalization of C60 fullerene on its encapsulation by water soluble calixarenes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 60, 71-78.                                 | 1.6 | 15        |
| 83 | Formulation and Chemical Stability in Aqueous Media of Cannabidiol Embedded in Cardanol-Based Nanovesicles. ACS Sustainable Chemistry and Engineering, 2017, 5, 8870-8875.  | 6.7 | 15        |
| 84 | C3N4 Impregnated with Porphyrins as Heterogeneous Photocatalysts for the Selective Oxidation of 5-Hydroxymethyl-2-Furfural Under Solar Irradiation. Topics in Catalysis, 2021, 64, 758-771.                         | 2.8 | 15        |
| 85 | Pinacol–pinacolone rearrangement induced by aminium salts. Journal of the Chemical Society Perkin<br>Transactions 1, 1994, , 779-781.   | 0.9 | 14        |
| 86 | Catalytic and selective synthesis of lactones and bis-lactones by palladium<br>acetate/1,4-bis(diphenylphosphino)butane system under syngas conditions. Journal of Molecular<br>Catalysis A, 2003, 204-205, 97-105. | 4.8 | 14        |
| 87 | Synthesis and characterization of binuclear manganese(IV,IV) and mononuclear cobalt(II) complexes<br>based on 2-(2-hydroxyphenyl)-1H-benzimidazole. Journal of Coordination Chemistry, 2010, 63, 90-98.             | 2.2 | 14        |
| 88 | Effect of solvent composition on the structural and magnetic properties of MnZn ferrite nanoparticles obtained by hydrothermal synthesis. Microfluidics and Nanofluidics, 2014, 17, 233-244.                        | 2.2 | 14        |
| 89 | Ethylene photo-oxidation on copper phthalocyanine sensitized TiO 2 films under solar radiation.<br>Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 523-529.                                     | 3.9 | 14        |
| 90 | Improving the sustainability of biodiesel by controlling the corrosive effects of soybean biodiesel on aluminum alloy 5052 H32 via cardanol. Industrial Crops and Products, 2019, 130, 146-150.                     | 5.2 | 14        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Aerobic epoxidation of hindered olefins and enol ethers catalyzed by a polymerizable β-ketoesterate complex of iron(III). Tetrahedron Letters, 1994, 35, 3633-3636.                      | 1.4 | 13        |
| 92  | Aminium Salts Induced Desulphurization of Allyl and Diallyl Thiiranes. Synthesis of Dienes and Trienes.<br>Tetrahedron, 1995, 51, 8935-8940.   | 1.9 | 13        |
| 93  | Cardanol-based green nanovesicles with antioxidant and cytotoxic activities. Journal of Experimental Nanoscience, 2016, 11, 1274-1284.   | 2.4 | 13        |
| 94  | Photo-ignition process of multiwall carbon nanotubes and ferrocene by continuous wave Xe lamp illumination. Beilstein Journal of Nanotechnology, 2017, 8, 134-144.                       | 2.8 | 13        |
| 95  | New porphyrin/Cu(II) porphyrin-TiO2 nanohybrids for improved photocatalytic oxidation and reduction activities. Materials Chemistry and Physics, 2020, 252, 123228.                      | 4.0 | 13        |
| 96  | Aluminum Metal–Organic Framework Triggers Carbon Dioxide Reduction Activity. ACS Applied Energy<br>Materials, 2020, 3, 1286-1291.  | 5.1 | 13        |
| 97  | A dinuclear diamagnetic copper(II) complex [Cu2(ophen)2]Cl2 with hydroxylated phen. Journal of Coordination Chemistry, 2008, 61, 4033-4039.  | 2.2 | 12        |
| 98  | Rectification in Supramolecular Zinc Porphyrin/Fulleropyrrolidine Dyads Selfâ€Organized on Gold(111).<br>ChemPhysChem, 2009, 10, 2633-2641.  | 2.1 | 12        |
| 99  | Light-Emitting Porphyrin Derivative Obtained from a Subproduct of the Cashew Nut Shell Liquid: A<br>Promising Material for OLED Applications. Materials, 2019, 12, 1063.                 | 2.9 | 12        |
| 100 | Bioâ€based benzoxazines synthesized in a deep eutectic solvent: A greener approach toward vesicular<br>nanosystems. Journal of Heterocyclic Chemistry, 2020, 57, 768-773.                | 2.6 | 12        |
| 101 | Hydrogen Bond-Mediated Conjugates Involving Lanthanide Diphthalocyanines and Trifluoroacetic Acid (Lnpc2@TFA): Structure, Photoactivity, and Stability. Molecules, 2020, 25, 3638.       | 3.8 | 12        |
| 102 | Low-temperature metalorganic vapor phase epitaxial growth of ZnS using diethyldisulphide as a sulphur precursor. Journal of Applied Physics, 1998, 84, 6460-6462.                        | 2.5 | 11        |
| 103 | meso-Aryl-substituted free-base porphyrins: formation, structure and photostability of diprotonated species. Research on Chemical Intermediates, 2016, 42, 3789-3804.                    | 2.7 | 11        |
| 104 | Novel H2Pc/Epoxy nanocomposites: Electrochemical and mechanical property investigation as anti-corrosive coating. Progress in Organic Coatings, 2018, 119, 31-35.                        | 3.9 | 11        |
| 105 | Novel nanocomposites of Ni-Pc/polyaniline for the corrosion safety of the aluminum current collector in the Li-ion battery electrolyte. Scientific Reports, 2021, 11, 12371.             | 3.3 | 11        |
| 106 | New opportunity for sustainable benzoxazine synthesis: A straight and convenient one-pot protocol for formaldehyde-free bio-based polymers. European Polymer Journal, 2021, 156, 110596. | 5.4 | 11        |
| 107 | Synthesis of novel nitroso-fulleropyrrolidines. Tetrahedron Letters, 2002, 43, 4969-4972.  | 1.4 | 10        |
| 108 | Fluidity of Liposome Membranes Doped with Metalloporphyrins: An ESR Study. Zeitschrift Fur<br>Naturforschung - Section C Journal of Biosciences, 2008, 63, 440-444.                      | 1.4 | 10        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 109 | Grain Size Control of the Magnetic Nanoparticles by Solid State Route Modification. Journal of<br>Materials Engineering and Performance, 2013, 22, 2073-2079.  | 2.5  | 10        |
| 110 | Hybrid TiO2 @ phthalocyanine catalysts in photooxidation of 4-nitrophenol: Effect of the matrix and sensitizer type. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 387, 112124.           | 3.9  | 10        |
| 111 | Development of Fully Bioâ€Based Lubricants from Agroâ€Industrial Residues under Environmentally<br>Friendly Processes. European Journal of Lipid Science and Technology, 2020, 122, 1900424.               | 1.5  | 10        |
| 112 | Oxidation-proof microemulsions: Microstructure and reactivity in the presence of dioxiranes.<br>Journal of Colloid and Interface Science, 2013, 408, 138-144.  | 9.4  | 9         |
| 113 | Nanomaterials Based on Fe3O4 and Phthalocyanines Derived from Cashew Nut Shell Liquid. Molecules, 2019, 24, 3284.  | 3.8  | 9         |
| 114 | Zinc Porphyrinâ€Driven Assembly of Gold Nanofingers. Small, 2008, 4, 497-506.  | 10.0 | 8         |
| 115 | Structural, photophysical and electrochemical properties of a novel cardanol-based salophen ligand and its Mn(II) complex. Journal of Molecular Structure, 2019, 1181, 279-286.                            | 3.6  | 8         |
| 116 | Synthesis of new meso-tetraarylporphyrins bearing cardanol and further transformation of the unsaturated chains. Journal of Porphyrins and Phthalocyanines, 2006, 10, 1071-1079.                           | 0.8  | 7         |
| 117 | A self-assembly of graphene oxide@Fe3O4/metallo-phthalocyanine nanohybrid materials: synthesis,<br>characterization, dielectric and thermal properties. Journal of Materials Science, 2017, 52, 9546-9557. | 3.7  | 7         |
| 118 | Experimental and theoretical evaluations on Oleuropein as a natural origin corrosion inhibitor for copper in acidic environment. Scientific Reports, 2022, 12, 7579.                                       | 3.3  | 7         |
| 119 | Functional validation of novel Se and S alkyl precursors for the low temperature pyrolytic MOVPE growth of ZnSe, ZnS and ZnSSe. Materials Chemistry and Physics, 2000, 66, 253-258.                        | 4.0  | 6         |
| 120 | Superparamagnetic nano-biocomposites for application as dielectric resonator antennas. Materials<br>Chemistry and Physics, 2017, 185, 104-113.   | 4.0  | 6         |
| 121 | Improved Photo-Ignition of Carbon Nanotubes/Ferrocene Using a Lipophilic Porphyrin under White<br>Power LED Irradiation. Materials, 2018, 11, 127.   | 2.9  | 6         |
| 122 | Impact of metalloporphyrinâ€based porous coordination polymers on catalytic activities for the oxidation of alkylbenzene. Applied Organometallic Chemistry, 2020, 34, e5501.                               | 3.5  | 6         |
| 123 | Photodynamic effect of palladium porphyrin derived from cashew nut shell liquid against<br>promastigote forms of Leishmania braziliensis. Photodiagnosis and Photodynamic Therapy, 2021, 33,<br>102083.    | 2.6  | 6         |
| 124 | One-pot conversion of α-substituted arylacetaldehydes into α-dicarbonyl compounds. Tetrahedron<br>Letters, 1993, 34, 3897-3900.  | 1.4  | 5         |
| 125 | Reactions on (R) and (S)-1,1,2-triphenyl-1,2-ethandiols induced by aminium salts and protic acids. Solvent effect. Tetrahedron, 1997, 53, 10817-10826.   | 1.9  | 5         |
| 126 | Characterization of functionalised porphyrin films using synchrotron radiation. Applied Surface Science, 2005, 248, 40-44.   | 6.1  | 5         |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | Palladium-catalyzed asymmetric cyclocarbonylation of allyl naphthols. Canadian Journal of<br>Chemistry, 2005, 83, 674-680.  | 1.1  | 5         |
| 128 | In vitro antileishmanial activity of sustainable anacardic acid and cardol based silver nanoparticles on L. braziliensis. International Journal of Pharmaceutics, 2022, 619, 121698.  | 5.2  | 5         |
| 129 | Optimal integration of vacuum UV with granular biofiltration for advanced wastewater treatment:<br>Impact of process sequence on CECs removal and microbial ecology. Water Research, 2022, 220, 118638.                                       | 11.3 | 5         |
| 130 | Palladium(II) and bidentate phosphine-catalyzed selective synthesis ofN-aryl-2-pyrrolidinones via cyclocarbonylative coupling of 2-aminophenol and 2-aminothiophenol. Applied Organometallic Chemistry, 2002, 16, 537-542.                    | 3.5  | 4         |
| 131 | [5,10,15,20-Tetrakis(4-tert-butylphenyl)porphyrinato-κ4N]zinc(II) toluene solvate. Acta Crystallographica<br>Section E: Structure Reports Online, 2007, 63, m2582-m2582.  | 0.2  | 4         |
| 132 | Cardanol-Based Heterocycles: Synthesis and Applications. , 2017, , 39-56.   |      | 4         |
| 133 | TiO2@lipophilic Porphyrin Composites: New Insights into Tuning the Photoreduction of Cr(VI) to<br>Cr(III) in Aqueous Phase. Journal of Composites Science, 2020, 4, 82.   | 3.0  | 4         |
| 134 | Thermal and photochemical behavior of trans-ruthenium(II) dichloride tetraphosphite complexes.<br>Journal of Photochemistry and Photobiology A: Chemistry, 2006, 184, 265-272.  | 3.9  | 3         |
| 135 | Rectifying behaviour of self assembled porphyrin/fullerene dyads on Au(111). Journal of Physics:<br>Conference Series, 2007, 61, 795-799.   | 0.4  | 3         |
| 136 | Luminescence quenching of *[Ru(bpy)3]2+ by ruthenium(II) tetraphosphite complexes with different phosphite ligands. Journal of Luminescence, 2009, 129, 1260-1265.  | 3.1  | 3         |
| 137 | Developing eco-friendly methods for purification of compounds derived from hydrogenated cardanol. Separation Science and Technology, 2016, 51, 2473-2483.   | 2.5  | 3         |
| 138 | A green method for the production of an efficient bioimaging nanotool. Nanoscale Advances, 2019, 1, 1193-1199.  | 4.6  | 3         |
| 139 | Environmentally Friendly Method of Assembly of Cardanol and Cholesterol into Nanostructures<br>Using a Continuous Flow Microfluidic Device. ACS Sustainable Chemistry and Engineering, 2022, 10,<br>8484-8494.                                | 6.7  | 3         |
| 140 | Development and characterisation of jute reinforced natural matrix composites. International<br>Journal of Materials and Product Technology, 2009, 36, 155.   | 0.2  | 2         |
| 141 | Regiospecific naphthyl nitration of 5,10,15,20â€ŧetranaphthylporphyrin. Journal of Physical Organic<br>Chemistry, 2011, 24, 1030-1038.  | 1.9  | 2         |
| 142 | Synthesis, Characterization and Dielectric Properties of New<br>5-(4-Hydroxyphenyl)-10,15,20-tri-4-[2-(3-pentadecylphenoxy)ethoxy]phenyl porphyrin and Their Ni, Co and<br>Cu Complexes. Journal of the Brazilian Chemical Society, 2016, , . | 0.6  | 2         |
| 143 | Anacardic Acid: A Promising Building Block for the Sustainable Preparation of Vesicular Nanosystems.<br>Waste and Biomass Valorization, 2021, 12, 4367-4374.  | 3.4  | 2         |
| 144 | Synthesis and characterization of novel cardanol based fulleropyrrolidines. Arkivoc, 2009, 2009, 69-84.   | 0.5  | 2         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Novel nitroso-compounds Langmuir–Blodgett films. Thin Solid Films, 1998, 327-329, 136-140.  | 1.8 | 1         |
| 146 | Solid State Spectroscopic Studies of Molybdenum Oxo Species with Coordinated ONR Groups. Journal of Chemical Research Synopses, 1999, , 354-355.                                | 0.3 | 1         |
| 147 | Synthesis of Fullerene-Cardanol Derivatives. Synlett, 2004, 2004, 0799-0802.  | 1.8 | 1         |
| 148 | New Porphyrin/Fe-Loaded TiO2 Composites as Heterogeneous Photo-Fenton Catalysts for the Efficient<br>Degradation of 4-Nitrophenol. Journal of Catalysts, 2013, 2013, 1-7.       | 0.5 | 1         |
| 149 | Semiconductor @ sensitizer composites for enhanced photoinduced processes. , 2021, , 183-209.   |     | 1         |
| 150 | THIN FILMS OF A Cu-PHTHALOCYANINE AS RESISTIVE SENSORS FOR NO2 DETECTION. , 2000, , .   |     | 1         |
| 151 | Palladium-Catalyzed Cyclocarbonylation Reactions in Dimethyl Carbonate, an Eco-Friendly Solvent and Ring-Opening Reagent ChemInform, 2004, 35, no.                              | 0.0 | 0         |
| 152 | Synthesis of Novel Nitrosoâ€Fulleropyrrolidines ChemInform, 2002, 33, 98-98.  | 0.0 | 0         |
| 153 | Smart Poly(lactic acid)-Functionalized Films with Cardanol-Based Nanovesicles Obtained from Renewable Resources for Food Packaging Application. , 2015, , .                     |     | 0         |
| 154 | Solid State Spectroscopic Studies of Molybdenum Oxo Species with Coordinated ONR Groups. Journal of Chemical Research, 1999, 23, 354-355.                                       | 1.3 | 0         |
| 155 | Palladium-catalyzed alternating copolymerization of carbon monoxide with olefins bearing carbamate and amide functionalities. Canadian Journal of Chemistry, 2001, 79, 587-592. | 1.1 | 0         |