

Mã;rio J F Calvete

List of Publications by Year in descending order

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96
papers

3,498
citations

136740

32
h-index

149479

56
g-index

106
all docs

106
docs citations

106
times ranked

3827
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Supported metalloporphyrins as reusable catalysts for the degradation of antibiotics: Synthesis, characterization, activity and ecotoxicity studies. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119556. | 10.8 | 23 |
| 2 | Biocompatible ring-deformed indium phthalocyanine label for near-infrared photoacoustic imaging. <i>Inorganica Chimica Acta</i> , 2021, 514, 119993. | 1.2 | 7 |
| 3 | Molecular School“ a pre-university chemistry school. <i>Chemistry Teacher International</i> , 2021, 3, 257-268. | 0.9 | 1 |
| 4 | Photophysical and Antibacterial Properties of Porphyrins Encapsulated inside Acetylated Lignin Nanoparticles. <i>Antibiotics</i> , 2021, 10, 513. | 1.5 | 17 |
| 5 | Immobilization of Rh(I)-N-Xantphos and Fe(II)-C-Scorpionate onto Magnetic Nanoparticles: Reusable Catalytic System for Sequential Hydroformylation/Acetalization. <i>Catalysts</i> , 2021, 11, 608. | 1.6 | 6 |
| 6 | Phthalocyanines: An Old Dog Can Still Have New (Photo)Tricks!. <i>Molecules</i> , 2021, 26, 2823. | 1.7 | 35 |
| 7 | Water soluble near infrared dyes based on PEGylated-Tetrapyrrolic macrocycles. <i>Dyes and Pigments</i> , 2021, 195, 109677. | 2.0 | 9 |
| 8 | Oxidative Degradation of Pharmaceuticals: The Role of Tetrapyrrole-Based Catalysts. <i>Catalysts</i> , 2021, 11, 1335. | 1.6 | 17 |
| 9 | Hydroaminomethylation reaction as powerful tool for preparation of rhodium/phosphine-functionalized nanomaterials. Catalytic evaluation in styrene hydroformylation. <i>Catalysis Today</i> , 2020, 356, 456-463. | 2.2 | 6 |
| 10 | Multifunctionalization of cyanuric chloride for the stepwise synthesis of potential multimodal imaging chemical entities. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2517-2525. | 2.3 | 4 |
| 11 | Photoacoustic generation of intense and broadband ultrasound pulses with functionalized carbon nanotubes. <i>Nanoscale</i> , 2020, 12, 20831-20839. | 2.8 | 16 |
| 12 | Porphyrin-Loaded Lignin Nanoparticles Against Bacteria: A Photodynamic Antimicrobial Chemotherapy Application. <i>Frontiers in Microbiology</i> , 2020, 11, 606185. | 1.5 | 32 |
| 13 | Porphyrin“Nanodiamond Hybrid Materials”Active, Stable and Reusable Cyclohexene Oxidation Catalysts. <i>Catalysts</i> , 2020, 10, 1402. | 1.6 | 9 |
| 14 | Supercritical antisolvent precipitation of calcium acetate from eggshells. <i>Journal of Supercritical Fluids</i> , 2020, 163, 104862. | 1.6 | 9 |
| 15 | Conjugating biomaterials with photosensitizers: advancers and perspectives for photodynamic antimicrobial chemotherapy. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 445-461. | 1.6 | 72 |
| 16 | Photoinactivation of microorganisms with sub-micromolar concentrations of imidazolium metallophthalocyanine salts. <i>European Journal of Medicinal Chemistry</i> , 2019, 184, 111740. | 2.6 | 36 |
| 17 | A biocompatible redox MRI probe based on a Mn(II)/Mn(III) porphyrin. <i>Dalton Transactions</i> , 2019, 48, 3249-3262. | 1.6 | 24 |
| 18 | Hybrid materials for heterogeneous photocatalytic degradation of antibiotics. <i>Coordination Chemistry Reviews</i> , 2019, 395, 63-85. | 9.5 | 141 |

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|----|--|-----|-----------|
| 19 | Metal-based redox-responsive MRI contrast agents. <i>Coordination Chemistry Reviews</i> , 2019, 390, 1-31. | 9.5 | 59 |
| 20 | Bioinspired-Metalloporphyrin Magnetic Nanocomposite as a Reusable Catalyst for Synthesis of Diastereomeric ($\hat{\alpha}$)-Isopulegol Epoxide: Anticancer Activity Against Human Osteosarcoma Cells (MG-63). <i>Molecules</i> , 2019, 24, 52. | 1.7 | 11 |
| 21 | A recyclable hybrid manganese(III) porphyrin magnetic catalyst for selective olefin epoxidation using molecular oxygen. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 331-341. | 0.4 | 19 |
| 22 | Hybrid Metalloporphyrin Magnetic Nanoparticles as Catalysts for Sequential Transformation of Alkenes and CO ₂ into Cyclic Carbonates. <i>ChemCatChem</i> , 2018, 10, 2792-2803. | 1.8 | 34 |
| 23 | Conjugated macrocyclic materials with photoactivated optical absorption for the control of energy transmission delivered by pulsed radiations. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018, 35, 56-73. | 5.6 | 15 |
| 24 | Molecular-based selection of porphyrins towards the sensing of explosives in the gas phase. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 116-124. | 4.0 | 20 |
| 25 | Metalloporphyrins: Bioinspired Oxidation Catalysts. <i>ACS Catalysis</i> , 2018, 8, 10784-10808. | 5.5 | 122 |
| 26 | A New Tool in the Quest for Biocompatible Phthalocyanines: Palladium Catalyzed Aminocarbonylation for Amide Substituted Phthalonitriles and Illustrative Phthalocyanines Thereof. <i>Catalysts</i> , 2018, 8, 480. | 1.6 | 3 |
| 27 | Hydrogen Peroxide and Metalloporphyrins in Oxidation Catalysis: Old Dogs with Some New Tricks. <i>ChemCatChem</i> , 2018, 10, 3615-3635. | 1.8 | 42 |
| 28 | Tervalent phosphorus acid derivatives. <i>Organophosphorus Chemistry</i> , 2018, , 96-156. | 0.3 | 1 |
| 29 | Microwave irradiation as a sustainable tool for catalytic carbonylation reactions. <i>Inorganica Chimica Acta</i> , 2017, 455, 364-377. | 1.2 | 20 |
| 30 | Metal coordinated pyrrole-based macrocycles as contrast agents for magnetic resonance imaging technologies: Synthesis and applications. <i>Coordination Chemistry Reviews</i> , 2017, 333, 82-107. | 9.5 | 66 |
| 31 | A Cost-Efficient Method for Unsymmetrical Meso-Aryl Porphyrin Synthesis Using NaY Zeolite as an Inorganic Acid Catalyst. <i>Molecules</i> , 2017, 22, 741. | 1.7 | 15 |
| 32 | Synthesis of Pyrrole-Based Macrocycles as Molecular Probes for Multimodal Imaging Techniques: Recent Trends. <i>Current Organic Synthesis</i> , 2017, 14, . | 0.7 | 8 |
| 33 | Biologically Inspired and Magnetically Recoverable Copper Porphyrinic Catalysts: A Greener Approach for Oxidation of Hydrocarbons with Molecular Oxygen. <i>Advanced Functional Materials</i> , 2016, 26, 3359-3368. | 7.8 | 30 |
| 34 | Phthalocyanine Labels for Near-Infrared Fluorescence Imaging of Solid Tumors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4688-4696. | 2.9 | 43 |
| 35 | Synthesis of <i>meso</i> -substituted porphyrins using sustainable chemical processes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 45-60. | 0.4 | 32 |
| 36 | Cost-efficient method for unsymmetrical meso-aryl porphyrins and iron oxide-porphyrin hybrids prepared thereof. <i>Dalton Transactions</i> , 2016, 45, 16211-16220. | 1.6 | 13 |

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|----|---|------|-----------|
| 37 | Synthesis of low melting point porphyrins: A quest for new materials. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 843-854. | 0.4 | 9 |
| 38 | Nonlinear Optical Materials for the Smart Filtering of Optical Radiation. <i>Chemical Reviews</i> , 2016, 116, 13043-13233. | 23.0 | 472 |
| 39 | Halogenated meso-phenyl Mn(III) porphyrins as highly efficient catalysts for the synthesis of polycarbonates and cyclic carbonates using carbon dioxide and epoxides. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 489-494. | 4.8 | 38 |
| 40 | The quest for biocompatible phthalocyanines for molecular imaging: Photophysics, relaxometry and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2016, 154, 50-59. | 1.5 | 24 |
| 41 | Tervalent phosphorus acid derivatives. <i>Organophosphorus Chemistry</i> , 2016, , 51-98. | 0.3 | 0 |
| 42 | Microwave Assisted Reactions of Natural Oils: Transesterification and Hydroformylation/Isomerization as Tools for High Value Compounds. <i>Current Microwave Chemistry</i> , 2015, 2, 53-60. | 0.2 | 11 |
| 43 | Synthesis of a new ¹⁸ F labeled porphyrin for potential application in positron emission tomography. In vivo imaging and cellular uptake. <i>RSC Advances</i> , 2015, 5, 99540-99546. | 1.7 | 23 |
| 44 | Optical detection of amine vapors using ZnTriad porphyrin thin films. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 28-35. | 4.0 | 44 |
| 45 | Solventless metallation of low melting porphyrins synthesized by the water/microwave method. <i>RSC Advances</i> , 2015, 5, 64902-64910. | 1.7 | 18 |
| 46 | Synthesis and characterization of biocompatible bimodal meso-sulfonamide-perfluorophenylporphyrins. <i>Journal of Fluorine Chemistry</i> , 2015, 180, 161-167. | 0.9 | 8 |
| 47 | Chapter 2. Tervalent phosphorus acid derivatives. <i>Organophosphorus Chemistry</i> , 2015, , 56-103. | 0.3 | 0 |
| 48 | Glycosylated Metal Phthalocyanines. <i>Current Organic Synthesis</i> , 2014, 11, 59-66. | 0.7 | 13 |
| 49 | Editorial (Thematic Issue: Tetrapyrrolic Macrocycles: Synthesis and Prospects). <i>Current Organic Synthesis</i> , 2014, 11, 1-2. | 0.7 | 2 |
| 50 | Ecofriendly Porphyrin Synthesis by using Water under Microwave Irradiation. <i>ChemSusChem</i> , 2014, 7, 2821-2824. | 3.6 | 44 |
| 51 | Size and ability do matter! Influence of acidity and pore size on the synthesis of hindered halogenated meso-phenyl porphyrins catalysed by porous solid oxides. <i>Chemical Communications</i> , 2014, 50, 6571-6573. | 2.2 | 37 |
| 52 | Synthesis and Characterization of New Cross-Like Porphyrin-Naphthalocyanine and Porphyrin-Phthalocyanine Pentads. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, E202. | 1.4 | 9 |
| 53 | Octatosylaminophthalocyanine: A reusable chromogenic anion chemosensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 387-394. | 4.0 | 21 |
| 54 | Synthesis and Functionalization of Corroles. An Insight on Their Nonlinear Optical Absorption Properties. <i>Current Organic Synthesis</i> , 2014, 11, 29-41. | 0.7 | 20 |

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|----|---|------|-----------|
| 55 | Tetrapyrrolic Macrocycles: Potentialities in Medical Imaging Technologies. <i>Current Organic Synthesis</i> , 2014, 11, 127-140. | 0.7 | 32 |
| 56 | Binaphthyl Based Molecules for Asymmetric Organocatalytic Aldol Reactions: Recent Developments from a Successful Record. <i>Mini-Reviews in Organic Chemistry</i> , 2014, 11, 129-140. | 0.6 | 2 |
| 57 | Binol derivative ligand immobilized onto silica: Alkyl-cyanohydrin synthesis via sequential hydroformylation/heterogeneous cyanosilylation reactions. <i>Catalysis Today</i> , 2013, 218-219, 99-106. | 2.2 | 13 |
| 58 | Synthesis of binaphthyl based phosphine and phosphite ligands. <i>Chemical Society Reviews</i> , 2013, 42, 6990. | 18.7 | 138 |
| 59 | Inorganic helping organic: recent advances in catalytic heterogeneous oxidations by immobilised tetrapyrrolic macrocycles in micro and mesoporous supports. <i>RSC Advances</i> , 2013, 3, 22774. | 1.7 | 62 |
| 60 | Synthesis of a Rigid Fused Porphyrin-Phthalocyanine Hetero-Dyad with Two Different Metals. <i>Current Organic Chemistry</i> , 2013, 17, 1103-1107. | 0.9 | 10 |
| 61 | Near-infrared absorbing organic materials with nonlinear transmission properties. <i>International Reviews in Physical Chemistry</i> , 2012, 31, 319-366. | 0.9 | 35 |
| 62 | Metalloporphyrin triads: Synthesis and photochemical characterization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 242, 59-66. | 2.0 | 33 |
| 63 | Immobilized Catalysts for Hydroformylation Reactions: A Versatile Tool for Aldehyde Synthesis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6309-6320. | 1.2 | 74 |
| 64 | Amphiphilic meso(sulfonate ester fluoroaryl)porphyrins: refining the substituents of porphyrin derivatives for phototherapy and diagnostics. <i>Tetrahedron</i> , 2012, 68, 8767-8772. | 1.0 | 44 |
| 65 | Zinc(II) phthalocyanines immobilized in mesoporous silica Al-MCM-41 and their applications in photocatalytic degradation of pesticides. <i>Journal of Hazardous Materials</i> , 2012, 233-234, 79-88. | 6.5 | 54 |
| 66 | Routes to synthesis of porphyrins covalently bound to poly(carbazole)s and poly(fluorene)s: Structural and computational studies on oligomers. <i>Journal of Molecular Structure</i> , 2012, 1029, 199-208. | 1.8 | 11 |
| 67 | Unsymmetrical porphyrins: the role of meso-substituents on their physical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 290-296. | 0.4 | 20 |
| 68 | An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. <i>Green Chemistry</i> , 2012, 14, 1666. | 4.6 | 50 |
| 69 | Energy transfer from fluorene-based conjugated polyelectrolytes to on-chain and self-assembled porphyrin units. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1408-1417. | 2.5 | 30 |
| 70 | Synthesis of New Metalloporphyrin Triads: Efficient and Versatile Tripod Optical Sensor for the Detection of Amines. <i>Inorganic Chemistry</i> , 2011, 50, 7916-7918. | 1.9 | 34 |
| 71 | Rhodium(I) N-Heterocyclic Carbene Complexes as Catalysts for Hydroformylation of Olefins: An Overview. <i>Current Organic Synthesis</i> , 2011, 8, 764-775. | 0.7 | 23 |
| 72 | Synthesis and high ranked NLT properties of new sulfonamide-substituted indium phthalocyanines. <i>Inorganica Chimica Acta</i> , 2010, 363, 3945-3950. | 1.2 | 17 |

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|----|--|-----|-----------|
| 73 | Tetrabrominated Lead Naphthalocyanine for Optical Power Limiting. Chemistry - A European Journal, 2010, 16, 1212-1220. | 1.7 | 33 |
| 74 | Solar energy: Past, present... a whole future. Revista Virtual De Quimica, 2010, 2, . | 0.1 | 1 |
| 75 | Synthesis of sulfonamide-substituted phthalocyanines. Tetrahedron Letters, 2009, 50, 6882-6885. | 0.7 | 12 |
| 76 | Self-Healing of Gold Nanoparticles in the Presence of Zinc Phthalocyanines and Their Very Efficient Nonlinear Absorption Performances. Journal of Physical Chemistry C, 2009, 113, 8688-8695. | 1.5 | 46 |
| 77 | Recent developments in the synthesis of homo- and heteroarrays of porphyrins and phthalocyanines. Journal of Porphyrins and Phthalocyanines, 2009, 13, 419-428. | 0.4 | 26 |
| 78 | Chlorins in Photodynamic Therapy - Synthesis and applications. Revista Virtual De Quimica, 2009, 1, . | 0.1 | 2 |
| 79 | Titanium Phthalocyanines with Axial Phenylenevinylenes. European Journal of Organic Chemistry, 2008, 2008, 3209-3214. | 1.2 | 9 |
| 80 | Indium Phthalocyanines with Different Axial Ligands: A Study of the Influence of the Structure on the Photophysics and Optical Limiting Properties. Journal of Physical Chemistry A, 2008, 112, 8515-8522. | 1.1 | 36 |
| 81 | Large Two-Photon Absorption Cross Sections of Hemiporphyrines in the Excited State: The Multiphoton Absorption Process of Hemiporphyrines with Different Central Metals. Journal of the American Chemical Society, 2008, 130, 12290-12298. | 6.6 | 37 |
| 82 | Photophysics and Nonlinear Optical Properties of Tetra- and Octabrominated Silicon Naphthalocyanines. Journal of Physical Chemistry A, 2008, 112, 472-480. | 1.1 | 33 |
| 83 | Symmetrically and Unsymmetrically Substituted Phthalocyanines. , 2008, , 217-225. | | 0 |
| 84 | Expedient Synthesis of Glycosylated Phthalocyanines. Synthesis, 2007, 2007, 2186-2192. | 1.2 | 7 |
| 85 | Axial Halogen Ligand Effect on Photophysics and Optical Power Limiting of Some Indium Naphthalocyanines. Journal of Physical Chemistry A, 2007, 111, 3263-3270. | 1.1 | 37 |
| 86 | A new glycosidation method through nitrite displacement on substituted nitrobenzenes. Carbohydrate Research, 2007, 342, 440-447. | 1.1 | 31 |
| 87 | Demonstration of the optical limiting effect for an hemiporphyrine. Chemical Communications, 2006, , 2394. | 2.2 | 26 |
| 88 | Analysis of the nonlinear transmission properties of some naphthalocyanines. Journal of Porphyrins and Phthalocyanines, 2006, 10, 1165-1171. | 0.4 | 28 |
| 89 | Nonlinear Transmission of a Tetrabrominated Naphthalocyaninato Indium Chloride. Journal of Physical Chemistry B, 2006, 110, 12230-12239. | 1.2 | 39 |
| 90 | The first example of anomeric glycoconjugation to phthalocyanines. Tetrahedron Letters, 2006, 47, 3283-3286. | 0.7 | 64 |

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| 91 | Synthesis, DFT calculations, linear and nonlinear optical properties of binuclear phthalocyanine gallium chloride. <i>Journal of Molecular Modeling</i> , 2006, 12, 543-550. | 0.8 | 27 |
| 92 | Synthesis of axially substituted gallium, indium and thallium phthalocyanines with nonlinear optical properties. <i>Arkivoc</i> , 2006, 2006, 77-96. | 0.3 | 7 |
| 93 | Synthesis of a Bisphthalocyanine and Its Nonlinear Optical Properties. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3499-3509. | 1.2 | 49 |
| 94 | Porphyrins and phthalocyanines as materials for optical limiting. <i>Synthetic Metals</i> , 2004, 141, 231-243. | 2.1 | 417 |
| 95 | A Binuclear Phthalocyanine Containing Two Different Metals. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2080-2083. | 1.2 | 38 |
| 96 | Tervalent phosphorus acid derivatives. <i>Organophosphorus Chemistry</i> , 0, , 52-103. | 0.3 | 0 |