# JoÃ£o P C TomÃ©

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 92 papers | 5,730 citations | 71102 41 h-index | 76900 74 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 6642 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multifunctional metalâ€“organic frameworks: from academia to industrial applications. Chemical Society Reviews, 2015, 44, 6774-6803. | 38.1 | 766 |
| 2 | Ligand design for functional metalâ€“organic frameworks. Chemical Society Reviews, 2012, 41, 1088-1110. | 38.1 | 725 |
| 3 | Antimicrobial Photodynamic Therapy: Study of Bacterial Recovery Viability and Potential Development of Resistance after Treatment. Marine Drugs, 2010, 8, 91-105. | 4.6 | 340 |
| 4 | Charge effect on the photoinactivation of Gram-negative and Gram-positive bacteria by cationic meso-substituted porphyrins. BMC Microbiology, 2009, 9, 70. | 3.3 | 190 |
| 5 | Synthesis and Antibacterial Activity of New Poly-S-lysineâ^'Porphyrin Conjugates. Journal of Medicinal Chemistry, 2004, 47, 6649-6652. | 6.4 | 148 |
| 6 | Synthesis of glycoporphyrin derivatives and their antiviral activity against herpes simplex virus types 1 and 2. Bioorganic and Medicinal Chemistry, 2005, 13, 3878-3888. | 3.0 | 128 |
| 7 | Functional Cationic Nanomagnetâ^'Porphyrin Hybrids for the Photoinactivation of Microorganisms. ACS Nano, 2010, 4, 7133-7140. | 14.6 | 112 |
| 8 | Photodynamic inactivation of multidrug-resistant bacteria in hospital wastewaters: influence of residual antibiotics. Photochemical and Photobiological Sciences, 2014, 13, 626-633. | 2.9 | 112 |
| 9 | Energy and Electron Transfer in Polyacetylene-Linked Zinc-Porphyrin-[60]Fullerene Molecular Wires. Chemistry - A European Journal, 2005, 11, 3375-3388. | 3.3 | 110 |
| 10 | Mechanisms of photodynamic inactivation of a Gram-negative recombinant bioluminescent bacterium by cationic porphyrins. Photochemical and Photobiological Sciences, 2011, 10, 1659-1669. | 2.9 | 106 |
| 11 | Photodynamic Inactivation of Bacterial and Yeast Biofilms With a Cationic Porphyrin. Photochemistry and Photobiology, 2014, 90, 1387-1396. | 2.5 | 104 |
| 12 | Photodynamic inactivation of bacteria: finding the effective targets. Future Medicinal Chemistry, 2015, 7, 1221-1224. | 2.3 | 103 |
| 13 | Photoinactivation of bacteria in wastewater by porphyrins: Bacterial Î²-galactosidase activity and leucine-uptake as methods to monitor the process. Journal of Photochemistry and Photobiology B: Biology, 2007, 88, 112-118. | 3.8 | 93 |
| 14 | Porphyrin and phthalocyanine glycodendritic conjugates: synthesis, photophysical and photochemical properties. Chemical Communications, 2012, 48, 3608. | 4.1 | 93 |
| 15 | Synthesis and Photophysical Properties of Thioglycosylated Chlorins, Isobacteriochlorins, and Bacteriochlorins for Bioimaging and Diagnostics. Bioconjugate Chemistry, 2010, 21, 2136-2146. | 3.6 | 91 |
| 16 | Evaluation of resistance development and viability recovery by a non-enveloped virus after repeated cycles of aPDT. Antiviral Research, 2011, 91, 278-282. | 4.1 | 89 |
| 17 | Amphiphilic phthalocyanineâ€“cyclodextrin conjugates for cancer photodynamic therapy. Chemical Communications, 2014, 50, 8363-8366. | 4.1 | 84 |
| 18 | Photodynamic inactivation of Penicillium chrysogenum conidia by cationic porphyrins. Photochemical and Photobiological Sciences, 2011, 10, 1735-1743. | 2.9 | 82 |

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|---|---|---|---|
| 19 | Photodynamic inactivation of recombinant bioluminescent Escherichia coli by cationic porphyrins under artificial and solar irradiation. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1447-1454. | 3.0 | 81 |
| 20 | Sewage bacteriophage photoinactivation by cationic porphyrins: a study of charge effect. Photochemical and Photobiological Sciences, 2008, 7, 415. | 2.9 | 80 |
| 21 | Porphyrin-Based Metal-Organic Frameworks as Heterogeneous Catalysts in Oxidation Reactions. Molecules, 2016, 21, 1348. | 3.8 | 80 |
| 22 | Sewage bacteriophage inactivation by cationic porphyrins: influence of light parameters. Photochemical and Photobiological Sciences, 2010, 9, 1126. | 2.9 | 71 |
| 23 | Synthesis of water-soluble phthalocyanines bearing four or eight d-galactose units. Carbohydrate Research, 2009, 344, 507-510. | 2.3 | 68 |
| 24 | Photodynamic Antimicrobial Chemotherapy in Aquaculture: Photoinactivation Studies of Vibrio fischeri. PLoS ONE, 2011, 6, e20970. | 2.5 | 67 |
| 25 | Cancer cell spheroids are a better screen for the photodynamic efficiency of glycosylated photosensitizers. PLoS ONE, 2017, 12, e0177737. | 2.5 | 64 |
| 26 | Phthalocyanine Thioâ€Pyridinium Derivatives as Antibacterial Photosensitizers<sup>â€</sup>. Photochemistry and Photobiology, 2012, 88, 537-547. | 2.5 | 60 |
| 27 | Comparative photodynamic inactivation of antibiotic resistant bacteria by first and second generation cationic photosensitizers. Photochemical and Photobiological Sciences, 2012, 11, 1905-1913. | 2.9 | 55 |
| 28 | Antibodies armed with photosensitizers: from chemical synthesis to photobiological applications. Organic and Biomolecular Chemistry, 2015, 13, 2518-2529. | 2.8 | 55 |
| 29 | Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. Chemical Communications, 2013, 49, 6400. | 4.1 | 51 |
| 30 | Synthesis of neutral and cationic tripyridylporphyrin-d-galactose conjugates and the photoinactivation of HSV-1. Bioorganic and Medicinal Chemistry, 2007, 15, 4705-4713. | 3.0 | 50 |
| 31 | Multi-functional metalâ€“organic frameworks assembled from a tripodal organic linker. Journal of Materials Chemistry, 2012, 22, 18354. | 6.7 | 50 |
| 32 | Galactodendritic Phthalocyanine Targets Carbohydrate-Binding Proteins Enhancing Photodynamic Therapy. PLoS ONE, 2014, 9, e95529. | 2.5 | 50 |
| 33 | Use of Photosensitizers in Semisolid Formulations for Microbial Photodynamic Inactivation. Journal of Medicinal Chemistry, 2016, 59, 4428-4442. | 6.4 | 50 |
| 34 | Photodynamic oxidation of Escherichia coli membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 2717-2728. | 1.5 | 48 |
| 35 | Porphyrinâ€“Phthalocyanine/Pyridylfullerene Supramolecular Assemblies. Chemistry - A European Journal, 2012, 18, 3210-3219. | 3.3 | 46 |
| 36 | Photoimmunoconjugates: novel synthetic strategies to target and treat cancer by photodynamic therapy. Organic and Biomolecular Chemistry, 2019, 17, 2579-2593. | 2.8 | 46 |

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| 37 | Involvement of type I and type II mechanisms on the photoinactivation of non-enveloped DNA and RNA bacteriophages. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 10-16. | 3.8 | 45 |
| 38 | Multifunctional micro- and nanosized metalâ€“organic frameworks assembled from bisphosphonates and lanthanides. Journal of Materials Chemistry C, 2014, 2, 3311. | 5.5 | 44 |
| 39 | New Materials Based on Cationic Porphyrins Conjugated to Chitosan or Titanium Dioxide: Synthesis, Characterization and Antimicrobial Efficacy. International Journal of Molecular Sciences, 2019, 20, 2522. | 4.1 | 44 |
| 40 | New platinum(II)â€“bipyridyl corrole complexes: Synthesis, characterization and binding studies with DNA and HSA. Journal of Inorganic Biochemistry, 2015, 153, 32-41. | 3.5 | 43 |
| 41 | Bifunctional Porphyrin-Based Nano-Metalâ€“Organic Frameworks: Catalytic and Chemosensing Studies. Inorganic Chemistry, 2018, 57, 3855-3864. | 4.0 | 43 |
| 42 | Synthesis of cationic Î²-vinyl substituted meso-tetraphenylporphyrins and their in vitro activity against herpes simplex virus type 1. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3333-3337. | 2.2 | 42 |
| 43 | Nucleic acid changes during photodynamic inactivation of bacteria by cationic porphyrins. Bioorganic and Medicinal Chemistry, 2013, 21, 4311-4318. | 3.0 | 42 |
| 44 | Porphyrin conjugated with serum albumins and monoclonal antibodies boosts efficiency in targeted destruction of human bladder cancer cells. Organic and Biomolecular Chemistry, 2014, 12, 1804. | 2.8 | 41 |
| 45 | Susceptibility of non-enveloped DNA- and RNA-type viruses to photodynamic inactivation. Photochemical and Photobiological Sciences, 2012, 11, 1520-1523. | 2.9 | 38 |
| 46 | Mitochondria-Targeted Photodynamic Therapy with a Galactodendritic Chlorin to Enhance Cell Death in Resistant Bladder Cancer Cells. Bioconjugate Chemistry, 2016, 27, 2762-2769. | 3.6 | 37 |
| 47 | Applicability of photodynamic antimicrobial chemotherapy as an alternative to inactivate fish pathogenic bacteria in aquaculture systems. Photochemical and Photobiological Sciences, 2011, 10, 1691-1700. | 2.9 | 36 |
| 48 | Inverted methoxypyridinium phthalocyanines for PDI of pathogenic bacteria. Photochemical and Photobiological Sciences, 2015, 14, 1853-1863. | 2.9 | 36 |
| 49 | Photodynamic oxidation of Staphylococcus warneri membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 1607-1618. | 1.5 | 34 |
| 50 | The role of galectin-1 in inÂvitro and inÂvivo photodynamic therapy with a galactodendritic porphyrin. European Journal of Cancer, 2016, 68, 60-69. | 2.8 | 32 |
| 51 | Hydrogels containing porphyrin-loaded nanoparticles for topical photodynamic applications. International Journal of Pharmaceutics, 2016, 510, 221-231. | 5.2 | 32 |
| 52 | Synthesis of Glycoporphyrins. Topics in Heterocyclic Chemistry, 2007, , 179-248. | 0.2 | 30 |
| 53 | Synthesis, characterization and biomolecule-binding properties of novel tetra-platinum(<scp>ii</scp>)-thiopyridylporphyrins. Dalton Transactions, 2015, 44, 530-538. | 3.3 | 29 |
| 54 | The role of surface functionalization of silica nanoparticles for bioimaging. Journal of Innovative Optical Health Sciences, 2016, 09, 1630005. | 1.0 | 29 |

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| 55 | Towards hydroxamic acid linked zirconium metalâ€“organic frameworks. Materials Chemistry Frontiers, 2017, 1, 1194-1199. | 5.9 | 29 |
| 56 | Carbon-1 versus Carbon-3 Linkage of <scp>d</scp>-Galactose to Porphyrins: Synthesis, Uptake, and Photodynamic Efficiency. Bioconjugate Chemistry, 2018, 29, 306-315. | 3.6 | 29 |
| 57 | Photoinactivation of Planktonic and Biofilm Forms of Escherichia coli through the Action of Cationic Zinc(II) Phthalocyanines. ChemPhotoChem, 2019, 3, 251-260. | 3.0 | 28 |
| 58 | Cationic galactoporphyrin photosensitisers against UV-B resistant bacteria: oxidation of lipids and proteins by 1O2. Photochemical and Photobiological Sciences, 2013, 12, 262-271. | 2.9 | 27 |
| 59 | Photodynamic inactivation of Escherichia coli with cationic ammonium Zn(ii) phthalocyanines. Photochemical and Photobiological Sciences, 2015, 14, 1872-1879. | 2.9 | 25 |
| 60 | Porphyrin modified trastuzumab improves efficacy of HER2 targeted photodynamic therapy of gastric cancer. International Journal of Cancer, 2017, 141, 1478-1489. | 5.1 | 24 |
| 61 | Chain-dependent photocytotoxicity of tricationic porphyrin conjugates and related mechanisms of cell death in proliferating human skin keratinocytes. Biochemical Pharmacology, 2010, 80, 1373-1385. | 4.4 | 23 |
| 62 | Photosensitized oxidation of phosphatidylethanolamines monitored by electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 1357-1365. | 1.6 | 21 |
| 63 | Photoluminescent layered lanthanideâ€“organic framework based on a novel trifluorotriphosphonate organic linker. CrystEngComm, 2014, 16, 344-358. | 2.6 | 21 |
| 64 | Photoâ€inactivation of Bacillus endospores: interâ€specific variability of inactivation efficiency. Microbiology and Immunology, 2012, 56, 692-699. | 1.4 | 20 |
| 65 | Enhancement of the photodynamic activity of tri-cationic porphyrins towards proliferating keratinocytes by conjugation to poly-S-lysine. Photochemical and Photobiological Sciences, 2006, 5, 126-133. | 2.9 | 19 |
| 66 | Structural Diversity of Lanthanumâ€“Organic Frameworks Based on 1,4-Phenylenebis(methylene)diphosphonic Acid. Crystal Growth and Design, 2013, 13, 543-560. | 3.0 | 19 |
| 67 | Synthesis and fluorescence properties of a porphyrinâ€“fullerene molecular wire. Journal of Physical Organic Chemistry, 2004, 17, 814-818. | 1.9 | 18 |
| 68 | Unsymmetrical cationic porphyrin-cyclodextrin bioconjugates for photoinactivation of Escherichia coli. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101788. | 2.6 | 17 |
| 69 | Layered Metalâ€“Organic Frameworks Based on Octahedral Lanthanides and a Phosphonate Linker: Control of Crystal Size. Crystal Growth and Design, 2014, 14, 4873-4877. | 3.0 | 16 |
| 70 | Characterization of cationic glycoporphyrins by electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3605-3611. | 1.5 | 15 |
| 71 | Compromising the plasma membrane as a secondary target in photodynamic therapy-induced necrosis. Bioorganic and Medicinal Chemistry, 2018, 26, 5224-5228. | 3.0 | 14 |
| 72 | Spherical and rod shaped mesoporous silica nanoparticles for cancer-targeted and photosensitizer delivery in photodynamic therapy. Journal of Materials Chemistry B, 2022, 10, 3248-3259. | 5.8 | 14 |

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| 73 | Synthesis, Characterization and Photodynamic Activity against Bladder Cancer Cells of Novel Triazole-Porphyrin Derivatives. Molecules, 2020, 25, 1607. | 3.8 | 13 |
| 74 | Reduction of cationic free-base meso-tris-N-methylpyridinium-4-yl porphyrins in positive mode electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 762-768. | 2.8 | 11 |
| 75 | Porphyrin-based photosensitizers and their DNA conjugates for singlet oxygen induced nucleic acid interstrand crosslinking. Organic and Biomolecular Chemistry, 2017, 15, 5402-5409. | 2.8 | 11 |
| 76 | Electrospray Tandem Mass Spectrometry of Î²-Nitroalkenyl Meso-Tetraphenylporphyrins. European Journal of Mass Spectrometry, 2008, 14, 49-59. | 1.0 | 9 |
| 77 | Synthesis and differentiation of Î±â€•and Î²â€glycoporphyrin stereoisomers by electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 3478-3483. | 1.5 | 9 |
| 78 | Synthesis and Characterization of New Crossâ€like Porphyrinâ€“Naphthalocyanine and Porphyrinâ€“Phthalocyanine Pentads. Journal of Heterocyclic Chemistry, 2014, 51, E202. | 2.6 | 9 |
| 79 | Tricationic Porphyrin Conjugates: Evidence for Chain-Structure-Dependent Relaxation of Excited Singlet and Triplet States. Journal of Physical Chemistry B, 2009, 113, 16695-16704. | 2.6 | 7 |
| 80 | Phthalocyanine-Functionalized Magnetic Silica Nanoparticles as Anion Chemosensors. Sensors, 2021, 21, 1632. | 3.8 | 7 |
| 81 | Multidimensional Transition Metal Complexes Based on 3-Amino-1H-1,2,4-triazole-5-carboxylic Acid: From Discrete Mononuclear Complexes to Layered Materials. Molecules, 2015, 20, 12341-12363. | 3.8 | 6 |
| 82 | Coordination polymers based on a glycine-derivative ligand. CrystEngComm, 2014, 16, 8119-8137. | 2.6 | 5 |
| 83 | Unprecedented Double azaâ€Michael Addition within a Sapphyrin Core. Chemistry - A European Journal, 2016, 22, 14349-14355. | 3.3 | 5 |
| 84 | Antimicrobial Photodynamic Activity of Cationic Nanoparticles Decorated with Glycosylated Photosensitizers for Water Disinfection. ChemPhotoChem, 2018, 2, 596-605. | 3.0 | 5 |
| 85 | Encapsulation of glycosylated porphyrins in silica nanoparticles to enhance the efficacy of cancer photodynamic therapy. Materials Advances, 2021, 2, 1613-1620. | 5.4 | 5 |
| 86 | Metalâ€“organic framework assembled from erbium and a tetrapodal polyphosphonic acid organic linker. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 752-759. | 0.5 | 4 |
| 87 | 5-[4-(Diethoxyphosphoryl)-2,3,5,6-tetrafluorophenyl]-10,15,20-tris(pentafluorophenyl)porphyrin. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, o104-o107. | 0.4 | 3 |
| 88 | Molecular Targeted Photodynamic Therapy for Cancer. , 2016, , 127-169. | | 3 |
| 89 | Iron(III) Complexation with Galactodendritic Porphyrin Species and Hydrocarbonsâ€™ Oxidative Transformations. European Journal of Inorganic Chemistry, 2021, 2021, 2857-2869. | 2.0 | 2 |
| 90 | 5,10,15,20-Tetrakis(1-methylpyridinium-4-yl)porphyrin tetraiodide tetrahydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3157-o3158. | 0.2 | 1 |

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| 91 | Crystal structure of a compact three-dimensional metalâ€“organic framework based on Cs<sup>+</sup>and (4,5-dicyano-1,2-phenylene)bis(phosphonic acid). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1794-1798. | 0.5 | 1 |
| 92 | Coordination Polymers Based on a Biphenyl Tetraphosphonate Linker: Synthesis Control and Photoluminescence. Molecules, 2020, 25, 1835. | 3.8 | 0 |