

Mrio J F Calvete

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8183709/mario-j-f-calvete-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,690
citations

30
h-index

49
g-index

106
ext. papers

3,099
ext. citations

6.1
avg, IF

5.48
L-index

#	Paper	IF	Citations
90	Porphyrins and phthalocyanines as materials for optical limiting. <i>Synthetic Metals</i> , 2004 , 141, 231-243	3.6	374
89	Nonlinear Optical Materials for the Smart Filtering of Optical Radiation. <i>Chemical Reviews</i> , 2016 , 116, 13043-13233	68.1	329
88	Synthesis of binaphthyl based phosphine and phosphite ligands. <i>Chemical Society Reviews</i> , 2013 , 42, 6990-7027	9.7	95
87	Metalloporphyrins: Bioinspired Oxidation Catalysts. <i>ACS Catalysis</i> , 2018 , 8, 10784-10808	13.1	82
86	Hybrid materials for heterogeneous photocatalytic degradation of antibiotics. <i>Coordination Chemistry Reviews</i> , 2019 , 395, 63-85	23.2	78
85	Immobilized Catalysts for Hydroformylation Reactions: A Versatile Tool for Aldehyde Synthesis. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 6309-6320	3.2	65
84	The first example of anomeric glycoconjugation to phthalocyanines. <i>Tetrahedron Letters</i> , 2006 , 47, 3283-3286	3.2	63
83	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	3.7	56
82	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	23.2	51
81	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	12.8	47
80	Synthesis of a Bisphthalocyanine and Its Nonlinear Optical Properties. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 3499-3509	3.2	46
79	Self-Healing of Gold Nanoparticles in the Presence of Zinc Phthalocyanines and Their Very Efficient Nonlinear Absorption Performances. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8688-8695	3.8	43
78	An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. <i>Green Chemistry</i> , 2012 , 14, 1666	10	42
77	Amphiphilic meso(sulfonate ester fluoroaryl)porphyrins: refining the substituents of porphyrin derivatives for phototherapy and diagnostics. <i>Tetrahedron</i> , 2012 , 68, 8767-8772	2.4	39
76	Conjugating biomaterials with photosensitizers: advances and perspectives for photodynamic antimicrobial chemotherapy. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 445-461	4.2	38
75	Optical detection of amine vapors using ZnTriad porphyrin thin films. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 28-35	8.5	37
74	Nonlinear transmission of a tetrabrominated naphthalocyaninato indium chloride. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 12230-9	3.4	37

73	Phthalocyanine Labels for Near-Infrared Fluorescence Imaging of Solid Tumors. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 4688-96	8.3	37
72	Ecofriendly porphyrin synthesis by using water under microwave irradiation. <i>ChemSusChem</i> , 2014 , 7, 2821-4	8.3	36
71	Large two-photon absorption cross sections of hemiporphyrines in the excited state: the multiphoton absorption process of hemiporphyrines with different central metals. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12290-8	16.4	35
70	Axial halogen ligand effect on photophysics and optical power limiting of some indium naphthalocyanines. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 3263-70	2.8	35
69	A Binuclear Phthalocyanine Containing Two Different Metals. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 2080-2083	3.2	35
68	Near-infrared absorbing organic materials with nonlinear transmission properties. <i>International Reviews in Physical Chemistry</i> , 2012 , 31, 319-366	7	33
67	Synthesis of new metalloporphyrin triads: efficient and versatile tripod optical sensor for the detection of amines. <i>Inorganic Chemistry</i> , 2011 , 50, 7916-8	5.1	32
66	Tetrapyrrolic Macrocycles: Potentialities in Medical Imaging Technologies. <i>Current Organic Synthesis</i> , 2014 , 11, 127-140	1.9	32
65	Metal-based redox-responsive MRI contrast agents. <i>Coordination Chemistry Reviews</i> , 2019 , 390, 1-31	23.2	31
64	Tetrabrominated lead naphthalocyanine for optical power limiting. <i>Chemistry - A European Journal</i> , 2010 , 16, 1212-20	4.8	31
63	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		30
62	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, 6571-3	5.8	30
61	Indium phthalocyanines with different axial ligands: a study of the influence of the structure on the photophysics and optical limiting properties. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 8515-22	2.8	30
60	Photophysics and nonlinear optical properties of tetra- and octabrominated silicon naphthalocyanines. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 472-80	2.8	30
59	A new glycosidation method through nitrite displacement on substituted nitrobenzenes. <i>Carbohydrate Research</i> , 2007 , 342, 440-7	2.9	30
58	Hydrogen Peroxide and Metalloporphyrins in Oxidation Catalysis: Old Dogs with Some New Tricks. <i>ChemCatChem</i> , 2018 , 10, 3615-3635	5.2	28
57	Hybrid Metalloporphyrin Magnetic Nanoparticles as Catalysts for Sequential Transformation of Alkenes and CO ₂ into Cyclic Carbonates. <i>ChemCatChem</i> , 2018 , 10, 2792-2803	5.2	26
56	Photoinactivation of microorganisms with sub-micromolar concentrations of imidazolium metallophthalocyanine salts. <i>European Journal of Medicinal Chemistry</i> , 2019 , 184, 111740	6.8	26

55	Metalloporphyrin triads: Synthesis and photochemical characterization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 242, 59-66	4.7	26
54	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	26
53	Synthesis, DFT calculations, linear and nonlinear optical properties of binuclear phthalocyanine gallium chloride. <i>Journal of Molecular Modeling</i> , 2006 , 12, 543-50	2	26
52	Analysis of the nonlinear transmission properties of some naphthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006 , 10, 1165-1171	1.8	25
51	Synthesis of meso-substituted porphyrins using sustainable chemical processes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 45-60	1.8	24
50	Recent developments in the synthesis of homo- and heteroarrays of porphyrins and phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 419-428	1.8	23
49	Demonstration of the optical limiting effect for an hemiporphyrizine. <i>Chemical Communications</i> , 2006 , 2394-6	5.8	23
48	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	15.6	23
47	Rhodium(I) N-Heterocyclic Carbene Complexes as Catalysts for Hydroformylation of Olefins: An Overview. <i>Current Organic Synthesis</i> , 2011 , 8, 764-775	1.9	20
46	Octatosylaminophthalocyanine: A reusable chromogenic anion chemosensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 201, 387-394	8.5	19
45	Unsymmetrical porphyrins: the role of meso-substituents on their physical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012 , 16, 290-296	1.8	19
44	Microwave irradiation as a sustainable tool for catalytic carbonylation reactions. <i>Inorganica Chimica Acta</i> , 2017 , 455, 364-377	2.7	18
43	The quest for biocompatible phthalocyanines for molecular imaging: Photophysics, relaxometry and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2016 , 154, 50-9	4.2	18
42	Solventless metallation of low melting porphyrins synthesized by the water/microwave method. <i>RSC Advances</i> , 2015 , 5, 64902-64910	3.7	17
41	Synthesis of a new 18F labeled porphyrin for potential application in positron emission tomography. In vivo imaging and cellular uptake. <i>RSC Advances</i> , 2015 , 5, 99540-99546	3.7	17
40	Synthesis and Functionalization of Corroles. An Insight on Their Nonlinear Optical Absorption Properties. <i>Current Organic Synthesis</i> , 2014 , 11, 29-41	1.9	17
39	Synthesis and high ranked NLT properties of new sulfonamide-substituted indium phthalocyanines. <i>Inorganica Chimica Acta</i> , 2010 , 363, 3945-3950	2.7	15
38	A biocompatible redox MRI probe based on a Mn(ii)/Mn(iii) porphyrin. <i>Dalton Transactions</i> , 2019 , 48, 3242-3262	4.3	14

37	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	1.8	14
36	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	16.4	12
35	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	21.8	12
34	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	8.5	11
33	Binol derivative ligand immobilized onto silica: Alkyl-cyanohydrin synthesis via sequential hydroformylation/heterogeneous cyanosilylation reactions. <i>Catalysis Today</i> , 2013 , 218-219, 99-106	5.3	11
32	Glycosylated Metal Phthalocyanines. <i>Current Organic Synthesis</i> , 2014 , 11, 59-66	1.9	11
31	Phthalocyanines: An Old Dog Can Still Have New (Photo)Tricks!. <i>Molecules</i> , 2021 , 26,	4.8	10
30	Synthesis and Characterization of New Cross-like Porphyrin-Naphthalocyanine and Porphyrin-Phthalocyanine Pentads. <i>Journal of Heterocyclic Chemistry</i> , 2014 , 51, E202-E208	1.9	9
29	A Cost-Efficient Method for Unsymmetrical Meso-Aryl Porphyrin Synthesis Using NaY Zeolite as an Inorganic Acid Catalyst. <i>Molecules</i> , 2017 , 22,	4.8	9
28	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	0.7	9
27	Synthesis of sulfonamide-substituted phthalocyanines. <i>Tetrahedron Letters</i> , 2009 , 50, 6882-6885	2	9
26	Synthesis of a Rigid Fused Porphyrin-Phthalocyanine Hetero-Dyad with Two Different Metals. <i>Current Organic Chemistry</i> , 2013 , 17, 1103-1107	1.7	9
25	Cost-efficient method for unsymmetrical meso-aryl porphyrins and iron oxide-porphyrin hybrids prepared thereof. <i>Dalton Transactions</i> , 2016 , 45, 16211-16220	4.3	9
24	Synthesis of low melting point porphyrins: A quest for new materials. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 843-854	1.8	9
23	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	3.4	8
22	Titanium Phthalocyanines with Axial Phenylenevinylens. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 3209-3214	3.2	8
21	Synthesis of Pyrrole-Based Macrocycles as Molecular Probes for Multimodal Imaging Techniques: Recent Trends. <i>Current Organic Synthesis</i> , 2017 , 14,	1.9	8
20	Synthesis and characterization of biocompatible bimodal meso-sulfonamide-perfluorophenylporphyrins. <i>Journal of Fluorine Chemistry</i> , 2015 , 180, 161-167	2.1	7

19	Porphyrin-Loaded Lignin Nanoparticles Against Bacteria: A Photodynamic Antimicrobial Chemotherapy Application. <i>Frontiers in Microbiology</i> , 2020 , 11, 606185	5.7	7
18	Synthesis of axially substituted gallium, indium and thallium phthalocyanines with nonlinear optical properties. <i>Arkivoc</i> , 2006 , 2006, 77-96	0.9	5
17	Bioinspired-Metalloporphyrin Magnetic Nanocomposite as a Reusable Catalyst for Synthesis of Diastereomeric (-)-Isopulegol Epoxide: Anticancer Activity Against Human Osteosarcoma Cells (MG-63). <i>Molecules</i> , 2018 , 24,	4.8	5
16	Expeditious Synthesis of Glycosylated Phthalocyanines. <i>Synthesis</i> , 2007 , 2007, 2186-2192	2.9	4
15	Photophysical and Antibacterial Properties of Porphyrins Encapsulated inside Acetylated Lignin Nanoparticles. <i>Antibiotics</i> , 2021 , 10,	4.9	4
14	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	5.3	4
13	Supercritical antisolvent precipitation of calcium acetate from eggshells. <i>Journal of Supercritical Fluids</i> , 2020 , 163, 104862	4.2	3
12	Biocompatible ring-deformed indium phthalocyanine label for near-infrared photoacoustic imaging. <i>Inorganica Chimica Acta</i> , 2021 , 514, 119993	2.7	3
11	Water soluble near infrared dyes based on PEGylated-Tetrapyrrolic macrocycles. <i>Dyes and Pigments</i> , 2021 , 195, 109677	4.6	3
10	Porphyrin Nanodiamond Hybrid Materials Active, Stable and Reusable Cyclohexene Oxidation Catalysts. <i>Catalysts</i> , 2020 , 10, 1402	4	2
9	Editorial (Thematic Issue: Tetrapyrrolic Macrocycles: Synthesis and Prospects). <i>Current Organic Synthesis</i> , 2014 , 11, 1-2	1.9	2
8	Oxidative Degradation of Pharmaceuticals: The Role of Tetrapyrrole-Based Catalysts. <i>Catalysts</i> , 2021 , 11, 1335	4	2
7	Photoacoustic generation of intense and broadband ultrasound pulses with functionalized carbon nanotubes. <i>Nanoscale</i> , 2020 , 12, 20831-20839	7.7	2
6	Multifunctionalization of cyanuric chloride for the stepwise synthesis of potential multimodal imaging chemical entities. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 2517-2525	5.9	2
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	4	1
4	Molecular School in pre-university chemistry school. <i>Chemistry Teacher International</i> , 2021 , 3, 257-268	1	1
3	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	4	1
2	Symmetrically and Unsymmetrically Substituted Phthalocyanines 2008 , 217-225		

- 1 Synthesis, DFT calculations, linear and nonlinear optical properties of binuclear phthalocyanine gallium chloride 543-550