

Yassuko Yamamoto

List of Publications by Year in descending order

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79
papers

2,255
citations

159525

30
h-index

243529

44
g-index

79
all docs

79
docs citations

79
times ranked

2098
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of zinc insertion and hydrophobicity on the membrane interactions and PDT activity of porphyrin photosensitizers. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 233-240.	1.6	132
2	[1,2,3,4-Tetrakis(β -D-galactopyranos-6-yl)phthalocyaninato]zinc(II): a water-soluble phthalocyanine. <i>Tetrahedron Letters</i> , 2006, 47, 9177-9180.	0.7	93
3	Biomimetic catalytic activity of iron(III) porphyrins encapsulated in the zeolite X. <i>Journal of Molecular Catalysis A</i> , 2000, 160, 199-208.	4.8	88
4	Oxidation of alkanes by iodosylbenzene (PhIO) catalysed by supported Mn(III) porphyrins: Activity and mechanism. <i>Journal of Molecular Catalysis A</i> , 2006, 252, 23-30.	4.8	81
5	Catalytic activity of nitro- and carboxy-substituted iron porphyrins in hydrocarbon oxidation. <i>Journal of Molecular Catalysis A</i> , 2001, 174, 213-222.	4.8	68
6	Chlorin Photosensitizers Sterically Designed To Prevent Self-Aggregation. <i>Journal of Organic Chemistry</i> , 2011, 76, 8824-8832.	1.7	67
7	Cationic iroporphyrins as catalyst in comparative oxidation of hydrocarbons: homogeneous and supported on inorganic matrices systems. <i>Journal of Molecular Catalysis A</i> , 1995, 99, 187-193.	4.8	63
8	Cationic manganese(III) porphyrins bound to a novel bis-functionalised silica as catalysts for hydrocarbons oxygenation by iodosylbenzene and hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 2001, 174, 279-288.	4.8	59
9	Alkene epoxidation with iodosylbenzene catalysed by polyionic manganese porphyrins electrostatically bound to counter-charged supports. <i>Perkin Transactions II RSC</i> , 2001, , 181-190.	1.1	58
10	Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation. <i>Journal of Molecular Catalysis A</i> , 2005, 233, 73-81.	4.8	58
11	Factors which affect the catalytic activity of iron(III) meso tetrakis(2,6-dichlorophenyl) porphyrin chloride in homogeneous system. <i>Journal of Molecular Catalysis A</i> , 1996, 109, 189-200.	4.8	54
12	Hexagonal mesoporous silica modified with copper phthalocyanine as a photocatalyst for pesticide 2,4-dichlorophenoxyacetic acid degradation. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 98-104.	5.0	53
13	Supported iron(III)porphyrins pentafluorophenyl-derivatives as catalysts in epoxidation reactions by H ₂ O ₂ : the role of the silica-support and sulfonatophenyl residues in the activation of the peroxidic bond. <i>Journal of Molecular Catalysis A</i> , 2002, 188, 141-151.	4.8	52
14	Manganese porphyrin functionalized on Fe ₃ O ₄ @nSiO ₂ @MCM-41 magnetic composite: Structural characterization and catalytic activity as cytochrome P450 model. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 161-171.	2.2	45
15	Asymmetric cationic methyl pyridyl and pentafluorophenyl porphyrin encapsulated in zeolites: A cytochrome P-450 model. <i>Journal of Molecular Catalysis A</i> , 2005, 237, 86-92.	4.8	44
16	Synthesis of new amphiphilic chlorin derivatives from protoporphyrin-IX dimethyl ester. <i>Tetrahedron</i> , 2008, 64, 8709-8715.	1.0	43
17	Manganese(III) porphyrins: catalytic activity and intermediate studies in homogeneous systems. <i>Journal of Molecular Catalysis A</i> , 1997, 116, 365-374.	4.8	41
18	Meso-aryl substituted metalloporphyrins supported on imidazole propyl gel (IPG). Catalytic activity in the oxidation of cyclohexane and characterization of iron porphyrin@IPG systems. <i>Journal of Molecular Catalysis</i> , 1994, 88, 167-176.	1.2	39

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19	Novel Mn(III)chlorins as versatile catalysts for oxyfunctionalisation of hydrocarbons under homogeneous conditions. <i>Journal of Molecular Catalysis A</i> , 2005, 239, 138-143.	4.8	37
20	Synthesis of Phthalocyanines ²⁺ ALA Conjugates: Water-Soluble Compounds with Low Aggregation. <i>Journal of Organic Chemistry</i> , 2009, 74, 7962-7965.	1.7	37
21	Mechanisms of hemin-catalyzed oxidations: rearrangements during the epoxidation of trans-cyclooctene. <i>Journal of the American Chemical Society</i> , 1986, 108, 3529-3531.	6.6	36
22	(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
23	Metalloporphyrins immobilized in Fe ₃ O ₄ @SiO ₂ mesoporous submicrospheres: Reusable biomimetic catalysts for hydrocarbon oxidation. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 296-309.	5.0	36
24	Synthesis of fluorinated metalloporphyrinosilica imprinted with templates through sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 100-108.	1.5	35
25	Characterization and catalytic activity of iron(III) mono(4-N-methyl pyridyl)-tris(halophenyl) porphyrins in homogeneous and heterogeneous systems. <i>Journal of Molecular Catalysis A</i> , 1999, 150, 251-266.	4.8	34
26	Photophysical properties and photodynamic activity of a novel menthol-zinc phthalocyanine conjugate incorporated in micelles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 253, 22-29.	2.0	34
27	Oxidative metabolism of 5-o-caffeoylquinic acid (chlorogenic acid), a bioactive natural product, by metalloporphyrin and rat liver mitochondria. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 26, 62-70.	1.9	32
28	Mechanism and Efficiency of Cell Death of Type II Photosensitizers: Effect of Zinc Chelation. <i>Photochemistry and Photobiology</i> , 2012, 88, 774-781.	1.3	32
29	Porphyrin LB film as a catalyst for alkene epoxidation. <i>Thin Solid Films</i> , 1997, 310, 296-302.	0.8	31
30	Polymeric organic-inorganic hybrid material containing iron(III) porphyrin using sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 146-152.	1.5	31
31	Distance Dependence of Photoinduced Electron Transfer in Metalloporphyrin Dimers. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10540-10552.	1.1	30
32	Metalloporphyrin-functionalized hexagonal mesoporous silica: Synthesis, structural properties and catalytic activity as cytochrome P450 model. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 37-45.	2.2	29
33	Synthesis of hybrid silicates containing porphyrins incorporated by a sol-gel process and their properties. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 134-140.	1.5	28
34	Synthesis and characterization of a novel series of meso (nitrophenyl) and meso (carboxyphenyl) substituted porphyrins. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 458-466.	0.6	28
35	Biomimetic oxidation of praziquantel catalysed by metalloporphyrins. <i>Journal of Molecular Catalysis A</i> , 2005, 226, 23-31.	4.8	28
36	Biomimetic Oxidation of Piperine and Piplartine Catalyzed by Iron(III) and Manganese(III) Porphyrins. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 912-916.	0.6	27

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37	Characterization of Mn(III)porphyrin immobilized on modified silica surfaces by EXAFS spectroscopy: A promising tool for analysis of supported metalloporphyrin catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 243, 111-119.	4.8	25
38	Synthesis of functionalized chlorins sterically-prevented from self-aggregation. <i>Dyes and Pigments</i> , 2013, 99, 402-411.	2.0	25
39	Characterization and catalytic activity of 2,6-dichlorophenyl substituted iron(III)porphyrin supported on silica gel and imidazole propyl gel. <i>Journal of Molecular Catalysis A</i> , 1997, 116, 405-420.	4.8	24
40	A novel chlorin derivative of Meso-tris(pentafluorophenyl)-4-pyridylporphyrin: synthesis, photophysics and photochemical properties. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 923-930.	0.6	22
41	Magnetic diatomite(Kieselguhr)/Fe ₂ O ₃ /TiO ₂ composite as an efficient photo-Fenton system for dye degradation. <i>Solid State Sciences</i> , 2017, 72, 14-20.	1.5	22
42	Nanoparticles of Lyotropic Liquid Crystals: A Novel Strategy for the Topical Delivery of a Chlorin Derivative for Photodynamic Therapy of Skin Cancer. <i>Current Nanoscience</i> , 2013, 9, 434-441.	0.7	22
43	An EPR and electronic spectroscopy study of intermediates in a mono o-nitro substituted iron porphyrin reaction with iodossylbenzene. <i>Inorganica Chimica Acta</i> , 1991, 187, 107-114.	1.2	21
44	Immobilization of Fe^{2+} halogenated ironporphyrin in the silica matrix by the sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2002, 304, 151-159.	1.5	21
45	Synthesis of manganese porphyrinosilica imprinted with templates using the sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 150-158.	1.5	20
46	Characterization of iron(III)porphyrin-hydroxo complexes in organic media through UV-Vis and EPR spectroscopies. <i>Journal of Inorganic Biochemistry</i> , 1999, 73, 85-92.	1.5	17
47	Ironporphyrins trapped sol-gel glasses: a chemometric approach. <i>Journal of Non-Crystalline Solids</i> , 2001, 284, 174-182.	1.5	17
48	Porphyrin-phospholipid interaction and ring metallation depending on the phospholipid polar head type. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 148-154.	5.0	17
49	Study by EPR and electronic spectroscopy of intermediates in iron porphyrin and iodossylbenzene reaction. <i>Journal of Inorganic Biochemistry</i> , 1993, 52, 191-200.	1.5	16
50	Iron(III) porphyrins atropisomers as catalysts for cyclohexane hydroxylations. A biomimetical system. <i>Journal of Inorganic Biochemistry</i> , 1994, 54, 55-66.	1.5	16
51	Synthesis and properties of urea porphyrinosilica. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 186-192.	1.5	16
52	Amino ironporphyrinosilica hybrid materials. <i>Journal of Non-Crystalline Solids</i> , 2001, 284, 27-33.	1.5	16
53	Characterization of cationic glycoporphyrins by electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3605-3611.	0.7	15
54	Intermediate species detected in oxidation reactions of FeTM(4)PyP5+ with iodossylbenzene by EPR and UV-Vis spectroscopies. <i>Inorganica Chimica Acta</i> , 1991, 186, 39-43.	1.2	14

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55	Study of catalytic activity of nitro substituted ironporphyrins. <i>Journal of Molecular Catalysis A</i> , 1995, 97, 41-47.	4.8	14
56	Study of the catalytical intermediates of metalloporphyrins supported on imidazole propyl gel. <i>Journal of Molecular Catalysis A</i> , 1997, 117, 259-271.	4.8	14
57	Porphyrinosilica and metalloporphyrinosilica: hybrid organic-inorganic materials prepared by sol-gel processing. <i>Anais Da Academia Brasileira De Ciencias</i> , 2000, 72, 59-66.	0.3	12
58	Iron(III)-tetra- <i>o</i> -ureaphenylporphyrinosilica obtained by a sol-gel process: a study of EPR, surface area and catalytic activity. <i>Journal of Non-Crystalline Solids</i> , 2002, 304, 101-108.	1.5	12
59	HPLC-ESI-MS/MS analysis of oxidized di-caffeoylquinic acids generated by metalloporphyrin-catalyzed reactions. <i>Quimica Nova</i> , 2008, 31, 767-770.	0.3	12
60	Extração e purificação de clorofila a, da alga <i>Spirulina maxima</i> : um experimento para os cursos de química. <i>Quimica Nova</i> , 2009, 32, 1670-1672.	0.3	12
61	Hydrocarbon oxidation by iron-porphyrin immobilized on SBA-15 as biomimetic catalyst: role of silica surface. <i>RSC Advances</i> , 2016, 6, 104886-104896.	1.7	12
62	Factors Affecting the Catalytic Activity of Aryl Substituted Ironporphyrins. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 251-256.	0.6	12
63	Metalloporphyrins in Drug and Pesticide Catalysis as Powerful Tools to Elucidate Biotransformation Mechanisms. <i>Mini-Reviews in Organic Chemistry</i> , 2016, 13, 281-288.	0.6	11
64	Synthesis, spectroscopy and photosensitizing properties of hydroxynitrophenylporphyrins. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 708-713.	0.6	10
65	The use of electrospray ionization tandem mass spectrometry on the structural characterization of novel asymmetric metallo-organic supermolecules, based on pentafluorophenylporphyrins and ruthenium complexes. <i>Polyhedron</i> , 2008, 27, 2721-2729.	1.0	9
66	Modified silicas covalently bounded to 5,10,15,20-tetrakis(2-hydroxy-5-nitrophenyl)porphyrinato iron(III): synthesis, spectroscopic and EPR characterization. <i>Catalytic studies. Journal of the Brazilian Chemical Society</i> , 2008, 19, 344-351.	0.6	9
67	LC-MS-MS identification of drug metabolites obtained by metalloporphyrin mediated oxidation. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 322-328.	0.6	7
68	Influence of Mn(III)porphyrins with different polarities on dimyristoylphosphatidic acid monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 229, 169-180.	2.3	6
69	Syntheses, electrochemistry and photophysical properties of a series of <i>meso</i> -pyridylpentafluorophenylporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 975-984.	0.4	6
70	Biomimetic oxidation studies of monensin A catalyzed by metalloporphyrins: Identification of hydroxyl derivative product by electrospray tandem mass spectrometry. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 621-629.	0.6	6
71	Cationic Metalloporphyrins Immobilized in Faujasite Zeolites as a Cytochrome P-450 Mimic. <i>Modern Research in Catalysis</i> , 2013, 02, 47-55.	1.2	5
72	One pot obtention of a tetrabutylammonium hydroxide solution for ironporphyrin-OH- interaction studies in organic solvents. <i>Quimica Nova</i> , 1999, 22, 277-279.	0.3	5

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73	Some spectroscopic properties of platinum(II) and palladium(II) complexes of aryl alkyl sulfides. <i>Inorganica Chimica Acta</i> , 1978, 31, 49-58.	1.2	4
74	Luminescent hybrid porphyrinosilica obtained by sol gel chemistry. <i>Materials Research</i> , 2003, 6, 71-74.	0.6	3
75	Uma proposta para o ensino da Química Analítica Qualitativa. <i>Química Nova</i> , 2006, 29, 1381-1386.	0.3	3
76	Study of the Suppression of Porphyrin Emission upon Addition of Rare Earth Ions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999, 35, 271-280.	1.6	2
77	Relato de uma experiência pedagógica no ensino de química: formação profissional com responsabilidade ambiental. <i>Química Nova</i> , 2003, 26, 582-584.	0.3	2
78	Síntese, caracterização e estudos de transferência de energia do complexo dimérico constituído por Zn e Mn porfirina. <i>Ecletica Química</i> , 2002, 27, .	0.2	2
79	Reflexões de professores participantes em um Curso de Pedagogia Universitária. <i>Revista Diálogo Educacional</i> , 2017, 17, 555.	0.1	0