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List of Publications by Year in descending order

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92
papers

5,730
citations

71102

41
h-index

76900

74
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95
docs citations

95
times ranked

6642
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical and rod shaped mesoporous silica nanoparticles for cancer-targeted and photosensitizer delivery in photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3248-3259.	5.8	14
2	Encapsulation of glycosylated porphyrins in silica nanoparticles to enhance the efficacy of cancer photodynamic therapy. <i>Materials Advances</i> , 2021, 2, 1613-1620.	5.4	5
3	Phthalocyanine-Functionalized Magnetic Silica Nanoparticles as Anion Chemosensors. <i>Sensors</i> , 2021, 21, 1632.	3.8	7
4	Iron(III) Complexation with Galactodendritic Porphyrin Species and Hydrocarbonsâ€™™ Oxidative Transformations. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2857-2869.	2.0	2
5	Unsymmetrical cationic porphyrin-cyclodextrin bioconjugates for photoinactivation of <i>Escherichia coli</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101788.	2.6	17
6	Coordination Polymers Based on a Biphenyl Tetraphosphonate Linker: Synthesis Control and Photoluminescence. <i>Molecules</i> , 2020, 25, 1835.	3.8	0
7	Synthesis, Characterization and Photodynamic Activity against Bladder Cancer Cells of Novel Triazole-Porphyrin Derivatives. <i>Molecules</i> , 2020, 25, 1607.	3.8	13
8	Photoinactivation of Planktonic and Biofilm Forms of <i>Escherichia coli</i> through the Action of Cationic Zinc(II) Phthalocyanines. <i>ChemPhotoChem</i> , 2019, 3, 251-260.	3.0	28
9	New Materials Based on Cationic Porphyrins Conjugated to Chitosan or Titanium Dioxide: Synthesis, Characterization and Antimicrobial Efficacy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2522.	4.1	44
10	Photoimmunoconjugates: novel synthetic strategies to target and treat cancer by photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2579-2593.	2.8	46
11	Carbon-1 versus Carbon-3 Linkage of α -Galactose to Porphyrins: Synthesis, Uptake, and Photodynamic Efficiency. <i>Bioconjugate Chemistry</i> , 2018, 29, 306-315.	3.6	29
12	Bifunctional Porphyrin-Based Nano-Metalâ€™™Organic Frameworks: Catalytic and Chemosensing Studies. <i>Inorganic Chemistry</i> , 2018, 57, 3855-3864.	4.0	43
13	Antimicrobial Photodynamic Activity of Cationic Nanoparticles Decorated with Glycosylated Photosensitizers for Water Disinfection. <i>ChemPhotoChem</i> , 2018, 2, 596-605.	3.0	5
14	Compromising the plasma membrane as a secondary target in photodynamic therapy-induced necrosis. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5224-5228.	3.0	14
15	Metalâ€™™organic framework assembled from erbium and a tetrapodal polyphosphonic acid organic linker. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 752-759.	0.5	4
16	Towards hydroxamic acid linked zirconium metalâ€™™organic frameworks. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1194-1199.	5.9	29
17	Porphyrin-based photosensitizers and their DNA conjugates for singlet oxygen induced nucleic acid interstrand crosslinking. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5402-5409.	2.8	11
18	Porphyrin modified trastuzumab improves efficacy of HER2 targeted photodynamic therapy of gastric cancer. <i>International Journal of Cancer</i> , 2017, 141, 1478-1489.	5.1	24

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19	Cancer cell spheroids are a better screen for the photodynamic efficiency of glycosylated photosensitizers. PLoS ONE, 2017, 12, e0177737.	2.5	64
20	Crystal structure of a compact three-dimensional metal-organic framework based on Cs ⁺ and (4,5-dicyano-1,2-phenylene)bis(phosphonic acid). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1794-1798.	0.5	1
21	Porphyrin-Based Metal-Organic Frameworks as Heterogeneous Catalysts in Oxidation Reactions. Molecules, 2016, 21, 1348.	3.8	80
22	The role of galectin-1 in <i>in vitro</i> and <i>in vivo</i> photodynamic therapy with a galactodendritic porphyrin. European Journal of Cancer, 2016, 68, 60-69.	2.8	32
23	Molecular Targeted Photodynamic Therapy for Cancer. , 2016, , 127-169.		3
24	Unprecedented Double aza-Michael Addition within a Sapphyrin Core. Chemistry - A European Journal, 2016, 22, 14349-14355.	3.3	5
25	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
26	Hydrogels containing porphyrin-loaded nanoparticles for topical photodynamic applications. International Journal of Pharmaceutics, 2016, 510, 221-231.	5.2	32
27	The role of surface functionalization of silica nanoparticles for bioimaging. Journal of Innovative Optical Health Sciences, 2016, 09, 1630005.	1.0	29
28	Use of Photosensitizers in Semisolid Formulations for Microbial Photodynamic Inactivation. Journal of Medicinal Chemistry, 2016, 59, 4428-4442.	6.4	50
29	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
30	Antibodies armed with photosensitizers: from chemical synthesis to photobiological applications. Organic and Biomolecular Chemistry, 2015, 13, 2518-2529.	2.8	55
31	Multifunctional metal-organic frameworks: from academia to industrial applications. Chemical Society Reviews, 2015, 44, 6774-6803.	38.1	766
32	Photodynamic inactivation of Escherichia coli with cationic ammonium Zn(ii) phthalocyanines. Photochemical and Photobiological Sciences, 2015, 14, 1872-1879.	2.9	25
33	Inverted methoxypyridinium phthalocyanines for PDI of pathogenic bacteria. Photochemical and Photobiological Sciences, 2015, 14, 1853-1863.	2.9	36
34	Photodynamic inactivation of bacteria: finding the effective targets. Future Medicinal Chemistry, 2015, 7, 1221-1224.	2.3	103
35	New platinum(II)-bipyridyl corrole complexes: Synthesis, characterization and binding studies with DNA and HSA. Journal of Inorganic Biochemistry, 2015, 153, 32-41.	3.5	43
36	Synthesis, characterization and biomolecule-binding properties of novel tetra-platinum(II)-thiopyridylporphyrins. Dalton Transactions, 2015, 44, 530-538.	3.3	29

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37	Galactodendritic Phthalocyanine Targets Carbohydrate-Binding Proteins Enhancing Photodynamic Therapy. PLoS ONE, 2014, 9, e95529.	2.5	50
38	Multifunctional micro- and nanosized metal-organic frameworks assembled from bisphosphonates and lanthanides. Journal of Materials Chemistry C, 2014, 2, 3311.	5.5	44
39	Coordination polymers based on a glycine-derivative ligand. CrystEngComm, 2014, 16, 8119-8137.	2.6	5
40	Amphiphilic phthalocyanine-cyclodextrin conjugates for cancer photodynamic therapy. Chemical Communications, 2014, 50, 8363-8366.	4.1	84
41	Photodynamic Inactivation of Bacterial and Yeast Biofilms With a Cationic Porphyrin. Photochemistry and Photobiology, 2014, 90, 1387-1396.	2.5	104
42	Photoluminescent layered lanthanide-organic framework based on a novel trifluorotriphosphonate organic linker. CrystEngComm, 2014, 16, 344-358.	2.6	21
43	Layered Metal-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
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	Photodynamic inactivation of multidrug-resistant bacteria in hospital wastewaters: influence of residual antibiotics. Photochemical and Photobiological Sciences, 2014, 13, 626-633.	2.9	112
46	Synthesis and Characterization of New Cross-Linkable Porphyrin-Naphthalocyanine and Porphyrin-Phthalocyanine Pentads. Journal of Heterocyclic Chemistry, 2014, 51, E202.	2.6	9
47	Photodynamic oxidation of <i>Staphylococcus warneri</i> membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 1607-1618.	1.5	34
48	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
49	Photodynamic oxidation of <i>Escherichia coli</i> membrane phospholipids: new insights based on lipidomics. Rapid Communications in Mass Spectrometry, 2013, 27, 2717-2728.	1.5	48
50	Structural Diversity of Lanthanum-Organic Frameworks Based on 1,4-Phenylenebis(methylene)diphosphonic Acid. Crystal Growth and Design, 2013, 13, 543-560.	3.0	19
51	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. Chemical Communications, 2013, 49, 6400.	4.1	51
52	Nucleic acid changes during photodynamic inactivation of bacteria by cationic porphyrins. Bioorganic and Medicinal Chemistry, 2013, 21, 4311-4318.	3.0	42
53	Cationic galactoporphyrin photosensitisers against UV-B resistant bacteria: oxidation of lipids and proteins by 1O_2 . Photochemical and Photobiological Sciences, 2013, 12, 262-271.	2.9	27
54	Photosensitized oxidation of phosphatidylethanolamines monitored by electrospray tandem mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 1357-1365.	1.6	21

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55	Photoinactivation of <i>Bacillus</i> endospores: inter-specific variability of inactivation efficiency. <i>Microbiology and Immunology</i> , 2012, 56, 692-699.	1.4	20
56	Multi-functional metal-organic frameworks assembled from a tripodal organic linker. <i>Journal of Materials Chemistry</i> , 2012, 22, 18354.	6.7	50
57	Susceptibility of non-enveloped DNA- and RNA-type viruses to photodynamic inactivation. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1520-1523.	2.9	38
58	Comparative photodynamic inactivation of antibiotic resistant bacteria by first and second generation cationic photosensitizers. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1905-1913.	2.9	55
59	5-[4-(Diethoxyphosphoryl)-2,3,5,6-tetrafluorophenyl]-10,15,20-tris(pentafluorophenyl)porphyrin. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o104-o107.	0.4	3
60	Porphyrin and phthalocyanine glycodendritic conjugates: synthesis, photophysical and photochemical properties. <i>Chemical Communications</i> , 2012, 48, 3608.	4.1	93
61	Ligand design for functional metal-organic frameworks. <i>Chemical Society Reviews</i> , 2012, 41, 1088-1110.	38.1	725
62	Phthalocyanine Thio-Pyridinium Derivatives as Antibacterial Photosensitizers. <i>Photochemistry and Photobiology</i> , 2012, 88, 537-547.	2.5	60
63	Porphyrin-Phthalocyanine/Pyridylfullerene Supramolecular Assemblies. <i>Chemistry - A European Journal</i> , 2012, 18, 3210-3219.	3.3	46
64	Mechanisms of photodynamic inactivation of a Gram-negative recombinant bioluminescent bacterium by cationic porphyrins. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1659-1669.	2.9	106
65	Photodynamic inactivation of <i>Penicillium chrysogenum</i> conidia by cationic porphyrins. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1735-1743.	2.9	82
66	Applicability of photodynamic antimicrobial chemotherapy as an alternative to inactivate fish pathogenic bacteria in aquaculture systems. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1691-1700.	2.9	36
67	Photodynamic Antimicrobial Chemotherapy in Aquaculture: Photoinactivation Studies of <i>Vibrio fischeri</i> . <i>PLoS ONE</i> , 2011, 6, e20970.	2.5	67
68	Evaluation of resistance development and viability recovery by a non-enveloped virus after repeated cycles of aPDT. <i>Antiviral Research</i> , 2011, 91, 278-282.	4.1	89
69	5,10,15,20-Tetrakis(1-methylpyridinium-4-yl)porphyrin tetraiodide tetrahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3157-o3158.	0.2	1
70	Chain-dependent photocytotoxicity of tricationic porphyrin conjugates and related mechanisms of cell death in proliferating human skin keratinocytes. <i>Biochemical Pharmacology</i> , 2010, 80, 1373-1385.	4.4	23
71	Functional Cationic Nanomagnetic Porphyrin Hybrids for the Photoinactivation of Microorganisms. <i>ACS Nano</i> , 2010, 4, 7133-7140.	14.6	112
72	Synthesis and Photophysical Properties of Thioglycosylated Chlorins, Isobacteriochlorins, and Bacteriochlorins for Bioimaging and Diagnostics. <i>Bioconjugate Chemistry</i> , 2010, 21, 2136-2146.	3.6	91

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73	Antimicrobial Photodynamic Therapy: Study of Bacterial Recovery Viability and Potential Development of Resistance after Treatment. <i>Marine Drugs</i> , 2010, 8, 91-105.	4.6	340
74	Sewage bacteriophage inactivation by cationic porphyrins: influence of light parameters. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1126.	2.9	71
75	Charge effect on the photoinactivation of Gram-negative and Gram-positive bacteria by cationic meso-substituted porphyrins. <i>BMC Microbiology</i> , 2009, 9, 70.	3.3	190
76	Synthesis and differentiation of β - and α -glycoporphyrin stereoisomers by electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3478-3483.	1.5	9
77	Synthesis of water-soluble phthalocyanines bearing four or eight d-galactose units. <i>Carbohydrate Research</i> , 2009, 344, 507-510.	2.3	68
78	Tricationic Porphyrin Conjugates: Evidence for Chain-Structure-Dependent Relaxation of Excited Singlet and Triplet States. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16695-16704.	2.6	7
79	Photodynamic inactivation of recombinant bioluminescent <i>Escherichia coli</i> by cationic porphyrins under artificial and solar irradiation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1447-1454.	3.0	81
80	Sewage bacteriophage photoinactivation by cationic porphyrins: a study of charge effect. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 415.	2.9	80
81	Electrospray Tandem Mass Spectrometry of β -Nitroalkenyl Meso-Tetraphenylporphyrins. <i>European Journal of Mass Spectrometry</i> , 2008, 14, 49-59.	1.0	9
82	Synthesis of Glycoporphyrins. <i>Topics in Heterocyclic Chemistry</i> , 2007, , 179-248.	0.2	30
83	Synthesis of neutral and cationic tripyridylporphyrin-d-galactose conjugates and the photoinactivation of HSV-1. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4705-4713.	3.0	50
84	Photoinactivation of bacteria in wastewater by porphyrins: Bacterial β -galactosidase activity and leucine-uptake as methods to monitor the process. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 88, 112-118.	3.8	93
85	Reduction of cationic free-base meso-tris-N-methylpyridinium-4-yl porphyrins in positive mode electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 762-768.	2.8	11
86	Enhancement of the photodynamic activity of tri-cationic porphyrins towards proliferating keratinocytes by conjugation to poly-S-lysine. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 126-133.	2.9	19
87	Characterization of cationic glycoporphyrins by electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3605-3611.	1.5	15
88	Synthesis of glycoporphyrin derivatives and their antiviral activity against herpes simplex virus types 1 and 2. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 3878-3888.	3.0	128
89	Synthesis of cationic β -vinyl substituted meso-tetraphenylporphyrins and their in vitro activity against herpes simplex virus type 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3333-3337.	2.2	42
90	Energy and Electron Transfer in Polyacetylene-Linked Zinc-Porphyrin-[60]Fullerene Molecular Wires. <i>Chemistry - A European Journal</i> , 2005, 11, 3375-3388.	3.3	110

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91	Synthesis and fluorescence properties of a porphyrin-fullerene molecular wire. Journal of Physical Organic Chemistry, 2004, 17, 814-818.	1.9	18
92	Synthesis and Antibacterial Activity of New Poly-S-lysine-Porphyrin Conjugates. Journal of Medicinal Chemistry, 2004, 47, 6649-6652.	6.4	148