

Jian-Dong Huang

List of Publications by Citations

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

74
papers

2,745
citations

32
h-index

51
g-index

81
ext. papers

3,301
ext. citations

6.5
avg, IF

5.49
L-index

#	Paper	IF	Citations
74	Phthalocyanines as medicinal photosensitizers: Developments in the last five years. <i>Coordination Chemistry Reviews</i> , 2019 , 379, 147-160	23.2	244
73	Phthalocyanine-Assembled Nanodots as Photosensitizers for Highly Efficient Type I Photoreactions in Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9885-9890	16.4	213
72	Recent progress in development of new sonosensitizers for sonodynamic cancer therapy. <i>Drug Discovery Today</i> , 2014 , 19, 502-9	8.8	197
71	Facile Supramolecular Approach to Nucleic-Acid-Driven Activatable Nanotheranostics That Overcome Drawbacks of Photodynamic Therapy. <i>ACS Nano</i> , 2018 , 12, 681-688	16.7	117
70	New application of phthalocyanine molecules: from photodynamic therapy to photothermal therapy by means of structural regulation rather than formation of aggregates. <i>Chemical Science</i> , 2018 , 9, 2098-2104	9.4	115
69	New amphiphilic silicon(IV) phthalocyanines as efficient photosensitizers for photodynamic therapy: synthesis, photophysical properties, and in vitro photodynamic activities. <i>Chemistry - A European Journal</i> , 2004 , 10, 4831-8	4.8	105
68	In Vivo Albumin Traps Photosensitizer Monomers from Self-Assembled Phthalocyanine Nanovesicles: A Facile and Switchable Theranostic Approach. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1366-1372	16.4	105
67	A Tumor-pH-Responsive Supramolecular Photosensitizer for Activatable Photodynamic Therapy with Minimal Skin Phototoxicity. <i>Theranostics</i> , 2017 , 7, 2746-2756	12.1	83
66	Photophysics and nonlinear absorption of peripheral-substituted zinc phthalocyanines. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 7200-7	2.8	80
65	Glycosylated zinc(II) phthalocyanines as efficient photosensitizers for photodynamic therapy. Synthesis, photophysical properties and in vitro photodynamic activity. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2173-81	3.9	78
64	Halogenated silicon(IV) phthalocyanines with axial poly(ethylene glycol) chains. Synthesis, spectroscopic properties, complexation with bovine serum albumin and in vitro photodynamic activities. <i>New Journal of Chemistry</i> , 2004 , 28, 348	3.6	64
63	A pH-responsive layered double hydroxide (LDH)-phthalocyanine nanohybrid for efficient photodynamic therapy. <i>Chemistry - A European Journal</i> , 2015 , 21, 3310-7	4.8	57
62	Novel silicon phthalocyanines axially modified by morpholine: Synthesis, complexation with serum protein and in vitro photodynamic activity. <i>Inorganic Chemistry Communication</i> , 2006 , 9, 473-477	3.1	53
61	A non-aggregated and tumour-associated macrophage-targeted photosensitizer for photodynamic therapy: a novel zinc(II) phthalocyanine containing octa-sulphonates. <i>Chemical Communications</i> , 2015 , 51, 4704-7	5.8	51
60	Preparation and in vitro photodynamic activities of novel axially substituted silicon (IV) phthalocyanines and their bovine serum albumin conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 2450-3	2.9	51
59	Highly positive-charged zinc(II) phthalocyanine as non-aggregated and efficient antifungal photosensitizer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2386-9	2.9	46
58	Synthesis and in vitro photodynamic activity of new hexadeca-carboxy phthalocyanines. <i>Chemical Communications</i> , 2004 , 2236-7	5.8	46

57	Phthalocyanines as contrast agents for photothermal therapy. <i>Coordination Chemistry Reviews</i> , 2021 , 426, 213548	23.2	46
56	A tumor-targeted activatable phthalocyanine-tetrapeptide-doxorubicin conjugate for synergistic chemo-photodynamic therapy. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 200-209	6.8	44
55	Phthalocyanine-Assembled Nanodots as Photosensitizers for Highly Efficient Type I Photoreactions in Photodynamic Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 10033-10038	3.6	42
54	Photodynamic inactivation of <i>Candida albicans</i> sensitized by a series of novel axially di-substituted silicon (IV) phthalocyanines. <i>Dyes and Pigments</i> , 2013 , 96, 547-553	4.6	41
53	Mono- and tetra-substituted zinc(II) phthalocyanines containing morpholinyl moieties: Synthesis, antifungal photodynamic activities, and structure-activity relationships. <i>European Journal of Medicinal Chemistry</i> , 2016 , 114, 380-9	6.8	40
52	The first silicon(IV) phthalocyanine-nucleoside conjugates with high photodynamic activity. <i>Dalton Transactions</i> , 2013 , 42, 10398-403	4.3	40
51	Synthesis and antifungal photodynamic activities of a series of novel zinc(II) phthalocyanines substituted with piperazinyl moieties. <i>Dyes and Pigments</i> , 2013 , 99, 185-191	4.6	38
50	Progress in the development of nanosensitizers for X-ray-induced photodynamic therapy. <i>Drug Discovery Today</i> , 2018 , 23, 1791-1800	8.8	37
49	Synthesis and biological characterization of novel rose bengal derivatives with improved amphiphilicity for sono-photodynamic therapy. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 86-95	6.8	36
48	Comparison between non-peripherally and peripherally tetra-substituted zinc (II) phthalocyanines as photosensitizers: Synthesis, spectroscopic, photochemical and photobiological properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 201, 23-31	4.7	35
47	Preparation and sonodynamic activities of water-soluble tetra- Γ (3-carboxyphenoxy) zinc(II) phthalocyanine and its bovine serum albumin conjugate. <i>Ultrasonics Sonochemistry</i> , 2015 , 22, 125-31	8.9	34
46	Potential sonodynamic anticancer activities of artemether and liposome-encapsulated artemether. <i>Chemical Communications</i> , 2015 , 51, 4681-4	5.8	34
45	In Vivo-assembled phthalocyanine/albumin supramolecular complexes combined with a hypoxia-activated prodrug for enhanced photodynamic immunotherapy of cancer. <i>Biomaterials</i> , 2021 , 266, 120430	15.6	34
44	Preparation and in vitro photodynamic activity of novel silicon(IV) phthalocyanines conjugated to serum albumins. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 946-51	4.2	33
43	Metal phthalocyanine as photosensitizer for photodynamic therapy (PDT). <i>Science in China Series B: Chemistry</i> , 2001 , 44, 113-122		33
42	Novel silicon(IV) phthalocyanines containing piperidinyl moieties: Synthesis and in vitro antifungal photodynamic activities. <i>Dyes and Pigments</i> , 2015 , 112, 311-316	4.6	30
41	Highly photostable silicon(IV) phthalocyanines containing adamantane moieties: synthesis, structure, and properties. <i>Tetrahedron</i> , 2010 , 66, 9041-9048	2.4	30
40	A pH-responsive stellate mesoporous silica based nanophotosensitizer for in vivo cancer diagnosis and targeted photodynamic therapy. <i>Biomaterials Science</i> , 2018 , 7, 211-219	7.4	27

39	Size-Tunable Targeting-Triggered Nanophotosensitizers Based on Self-Assembly of a Phthalocyanine-Biotin Conjugate for Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36435-36443	9.5	25
38	Nanostructured Phthalocyanine Assemblies with Efficient Synergistic Effect of Type I Photoreaction and Photothermal Action to Overcome Tumor Hypoxia in Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13980-13989	16.4	25
37	C-Phycocyanin as a tumour-associated macrophage-targeted photosensitizer and a vehicle of phthalocyanine for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2017 , 53, 4112-4115	5.8	23
36	Silicon(IV) phthalocyanines substituted axially with different nucleoside moieties. Effects of nucleoside type on the photosensitizing efficiencies and in vitro photodynamic activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 159, 196-204	6.7	23
35	Comparison between amine-terminated phthalocyanines and their chlorambucil conjugates: Synthesis, spectroscopic properties, and in vitro anticancer activity. <i>Tetrahedron</i> , 2017 , 73, 378-384	2.4	21
34	Discovery of two aminoglycoside antibiotics as inhibitors targeting the menin-mixed lineage leukaemia interface. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 2090-3	2.9	21
33	Synthesis and photodynamic activities of integrin-targeting silicon(IV) phthalocyanine-cRGD conjugates. <i>European Journal of Medicinal Chemistry</i> , 2018 , 155, 24-33	6.8	19
32	Water-Soluble Phthalocyanines Selectively Bind to Albumin Dimers: A Green Approach Toward Enhancing Tumor-Targeted Photodynamic Therapy. <i>Theranostics</i> , 2019 , 9, 6412-6423	12.1	17
31	Highly photocytotoxic silicon(IV) phthalocyanines axially modified with l-tyrosine derivatives: Effects of mode of axial substituent connection and of formulation on photodynamic activity. <i>Dyes and Pigments</i> , 2017 , 141, 521-529	4.6	16
30	A non-aggregated zinc(II) phthalocyanine with hexadeca cations for antitumor and antibacterial photodynamic therapies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 213, 112086	6.7	15
29	A novel silicon(IV) phthalocyanine-oligopeptide conjugate as a highly efficient photosensitizer for photodynamic antimicrobial therapy. <i>Dyes and Pigments</i> , 2020 , 172, 107834	4.6	14
28	Preparation and antifungal properties of monosubstituted zinc(II) phthalocyanine-chitosan oligosaccharide conjugates and their quaternized derivatives. <i>Dyes and Pigments</i> , 2018 , 159, 439-448	4.6	13
27	Carboxymethyl chitosan-zinc(II) phthalocyanine conjugates: Synthesis, characterization and photodynamic antifungal therapy. <i>Carbohydrate Polymers</i> , 2020 , 235, 115949	10.3	13
26	Synthesis, supramolecular behavior, and in vitro photodynamic activities of novel zinc(II) phthalocyanines "side-strapped" with crown ether bridges. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 3063-70	4.5	12
25	The effects of formulation and serum albumin on the in vitro photodynamic activity of zinc(II) phthalocyanines substituted with sulfonated quinolineoxy groups. <i>Dyes and Pigments</i> , 2016 , 128, 215-223	4.6	11
24	Novel unsymmetrical silicon(IV) phthalocyanines as highly potent anticancer photosensitizers. Synthesis, characterization, and in vitro photodynamic activities. <i>Dyes and Pigments</i> , 2020 , 177, 108286	4.6	10
23	A Silicon(IV) Phthalocyanine-Bolate Conjugate as an Efficient Photosensitizer. <i>Chemistry Letters</i> , 2014 , 43, 1701-1703	1.7	10
22	Syntheses, crystal structures and antimicrobial activities of Cu(II), Ru(II), and Pt(II) compounds with an anthracene-containing tripodal ligand. <i>RSC Advances</i> , 2015 , 5, 10521-10528	3.7	8

21	Synthesis and photobiological properties of novel silicon(IV) phthalocyanines axially modified by paracetamol and 4-hydroxyphenylacetamide. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 1227-1232	1.8	8
20	Phycocyanin fluorescent probe from <i>Arthrospira platensis</i> : preparation and application in LED-CCD fluorescence density strip qualitative detection system. <i>Journal of Applied Phycology</i> , 2019 , 31, 1107-1115	3.2	8
19	A phthalocyanine-based liposomal nanophotosensitizer with highly efficient tumor-targeting and photodynamic activity. <i>Dyes and Pigments</i> , 2020 , 180, 108455	4.6	8
18	Copper(II) and platinum(II) compounds with pyrene-appended dipicolylamine ligand: syntheses, crystal structures and biological evaluation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015 , 82, 135-143	1.7	7
17	The substituted zinc(II) phthalocyanines using sulfur bridges as the linkages. Synthesis, red-shifted spectroscopic properties and structure-inherent targeted photodynamic activities. <i>Dyes and Pigments</i> , 2021 , 189, 109270	4.6	6
16	A non-aggregated silicon(IV) phthalocyanine-lactose conjugate for photodynamic therapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127164	2.9	6
15	Alginate-zinc (II) phthalocyanine conjugates: Synthesis, characterization and tumor-associated macrophages-targeted photodynamic therapy. <i>Carbohydrate Polymers</i> , 2020 , 240, 116239	10.3	5
14	Efficient synthesis of new asymmetric tripodal ligands using microwave irradiation, and their crystal structures. <i>RSC Advances</i> , 2014 , 4, 42211-42214	3.7	5
13	Study of the Edge-on Self-Assembly of Axially Substituted Silicon(IV) Phthalocyanine Derivatives in a Template on the HOPG Surface. <i>Langmuir</i> , 2015 , 31, 13394-401	4	5
12	Phthalocyanine-based photosensitizers combined with anti-PD-L1 for highly efficient photodynamic immunotherapy. <i>Dyes and Pigments</i> , 2021 , 185, 108907	4.6	5
11	A pH-sensitive nanoagent self-assembled from a highly negatively-charged phthalocyanine with excellent biosafety for photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2845-2853	7.3	5
10	Synthesis, Spectroscopic and Fibroblast Activation Protein (FAP)-Responsive Properties of Phthalocyanine-Doxorubicin Conjugates. <i>ChemistrySelect</i> , 2018 , 3, 5405-5411	1.8	4
9	Aggregation-Enhanced Sonodynamic Activity of Phthalocyanine-Artesunate Conjugates. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	4
8	Protection of COOH and OH groups in acid, base and salt free reactions. <i>Green Chemistry</i> , 2018 , 20, 1444-1447	1.0	3
7	Synthesis, characterization and properties of some metallophthalocyanine complexes substituted by N -piperidineethanol. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 2315-2324	1.6	3
6	Noncovalent Indocyanine Green Conjugate of C-Phycocyanin: Preparation and Tumor-Associated Macrophages-Targeted Photothermal Therapeutics. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1438-1448	6.3	3
5	The syntheses, characterization and properties of some metallophthalocyanine complexes substituted by (N-(2-hydroxyethyl)piperazine)-N'-2-ethane sulfonic acid (HEPES). <i>Dyes and Pigments</i> , 2008 , 77, 584-589	4.6	2
4	A phthalocyanine-based self-assembled nanophotosensitizer for efficient in vivo photodynamic anticancer therapy. <i>Journal of Inorganic Biochemistry</i> , 2021 , 217, 111371	4.2	1

3	Solid-state supramolecular structures and excellent photothermal activities of dimeric zinc(II) phthalocyanines axially bridged with bipyridine derivatives. <i>Dyes and Pigments</i> , 2022 , 199, 110037	4.6	○
2	Artesunate-Based Multifunctional Nanoplatform for Photothermal/Photoinduced Thermodynamic Synergistic Anticancer Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7876-7885	4.1	○
1	Enhancement of biomass production and productivity of <i>Arthrospira platensis</i> GMPA7 using response surface monitoring methodology and turbidostatic cultivation strategy. <i>Journal of Applied Phycology</i> , 2021 , 33, 755-763	3.2	○