Lin Zhou

List of Publications by Year
in descending order

77 papers	1,405 citations	279487 23 h-index	395343 33 g-index
77 all docs	77 docs citations	77 times ranked	2006 citing authors

#	Article	IF	Citations
1	Graphene Oxide Noncovalent Photosensitizer and Its Anticancer Activity In Vitro. Chemistry - A European Journal, 2011, 17, 12084-12091.	1.7	104
2	High-efficiency loading of hypocrellin B on graphene oxide for photodynamic therapy. Carbon, 2012, 50, 5594-5604.	5.4	79
3	Spectroscopic studies on the interaction of hypocrellin A and hemoglobin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 151-155.	2.0	48
4	Synthesis of novel octa-cationic and non-ionic 1,2-ethanediamine substituted zinc (â...¡) phthalocyanines and their inÂvitro anti-cancer activity comparison. European Journal of Medicinal Chemistry, 2012, 58, 12-21.	2.6	47
5	Photosensitizer and Autophagy Promoter Coloaded ROSâ€Responsive Dendrimerâ€Assembled Carrier for Synergistic Enhancement of Tumor Growth Suppression. Small, 2018, 14, e1802337.	5.2	44
6	Hyaluronic acid thiol modified injectable hydrogel: Synthesis, characterization, drug release, cellular drug uptake and anticancer activity. Carbohydrate Polymers, 2021, 254, 117286.	5.1	44
7	External Heavy-Atomic Construction of Photosensitizer Nanoparticles for Enhanced in Vitro Photodynamic Therapy of Cancer. Journal of Physical Chemistry B, 2012, 116, 12744-12749.	1.2	42
8	Drug delivery function of carboxymethyl-Î²-cyclodextrin modified upconversion nanoparticles for adamantine phthalocyanine and their NIR-triggered cancer treatment. Dalton Transactions, 2016, 45, 3853-3862.	1.6	40
9	A multi-spectroscopic approach to investigate the interaction of prodigiosin with ct-DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 497-502.	2.0	36
10	Rational Design of an Ultrasensitive and Highly Selective Chemodosimeter by a Dual Quenching Mechanism for Cysteine Based on a Facile Michaelâ€Transcyclization Cascade Reaction. Chemistry - A European Journal, 2016, 22, 9247-9256.	1.7	36
11	Nanozyme with Robust Catalase Activity by Multiple Mechanisms and Its Application for Hypoxic Tumor Treatment. Advanced Healthcare Materials, 2021, 10, e2100601.	3.9	35
12	A smart copper-phthalocyanine framework nanoparticle for enhancing photodynamic therapy in hypoxic conditions by weakening cells through ATP depletion. Journal of Materials Chemistry B, 2018, 6, 2078-2088.	2.9	34
13	Use of an NIR-light-responsive CO nanodonor to improve the EPR effect in photothermal cancer treatment. Chemical Communications, 2018, 54, 13403-13406.	2.2	34
14	A new solâ€“gel silica nanovehicle preparation for photodynamic therapy in vitro. International Journal of Pharmaceutics, 2010, 386, 131-137.	2.6	33
15	Preparation and photodynamic properties of water-soluble hypocrellin A-silica nanospheres. Materials Letters, 2008, 62, 2910-2913.	1.3	32
16	Water-soluble hypocrellin A nanoparticles as a photodynamic therapy delivery system. Dyes and Pigments, 2009, 82, 90-94.	2.0	32
17	Studies on the binding behavior of prodigiosin with bovine hemoglobin by multi-spectroscopic techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 461-467.	2.0	32
18	Study on the conformation changes of Lysozyme induced by Hypocrellin A: The mechanism investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 1159-1165.	2.0	29

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19	Magnetic stomatocyte-like nanomotor as photosensitizer carrier for photodynamic therapy based cancer treatment. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111204.	2.5	29
20	Drugâ€Controlled Release Based on Complementary Base Pairing Rules for Photodynamicâ€“Photothermal Synergistic Tumor Treatment. Small, 2019, 15, e1803926.	5.2	26
21	Monomer zinc phthalocyanine/upconversion nanoparticle coated with hyaluronic acid crosslinked gel as NIR light-activated drug for in vitro photodynamic therapy. Dalton Transactions, 2016, 45, 15170-15179.	1.6	25
22	Tumor microenvironment-responsive charge reversal zinc phthalocyanines based on amino acids for photodynamic therapy. Dyes and Pigments, 2016, 126, 239-250.	2.0	25
23	An enhanced chemotherapeutic effect facilitated by sonication of MSN. Dalton Transactions, 2017, 46, 11875-11883.	1.6	25
24	The substituted amino group type dependent sensitivity enhancing of cationic phthalocyanine derivatives for photodynamic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 315, 107-120.	2.0	22
25	Solvent mixing generating air bubbles as a template for polydopamine nanobowl fabrication: Underlying mechanism, nanomotor assembly and application in cancer treatment. Chemical Engineering Journal, 2021, 404, 126443.	6.6	22
26	Synthesis of a novel water-soluble zinc phthalocyanine and its CT DNA-damaging studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 445-451.	2.0	20
27	Effects of pH on aggregation and photodynamic activities of cationic zinc phthalocyanines substituted with amides. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 288, 1-12.	2.0	20
28	Mitochondria-targeting photosensitizer-encapsulated amorphous nanocage as a bimodal reagent for drug delivery and biodiagnose in vitro. Biomedical Microdevices, 2010, 12, 655-663.	1.4	19
29	Comparison of two strategies for conferring water solubility to a zinc phthalocyanine substituted with 1,2-diethylamino. Dyes and Pigments, 2013, 99, 348-356.	2.0	19
30	Protonation salt derivative with heavy-atom effect on phthalocyanine for enhanced inÂvitro photodynamic therapy. Dyes and Pigments, 2015, 114, 93-104.	2.0	19
31	A Tumor Microenvironment Destroyer for Efficient Cancer Suppression. ACS Biomaterials Science and Engineering, 2020, 6, 450-462.	2.6	19
32	Internal heavy atom effect of Au(III) and Pt(IV) on hypocrellin A for enhanced in vitro photodynamic therapy of cancer. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5317-5324.	1.0	18
33	Characterization of anticancer hypocrellin A encapsulated with silica nanoparticles. Journal of Thermal Analysis and Calorimetry, 2010, 102, 69-74.	2.0	16
34	Inhibition of HSP90 Promotes Neural Stem Cell Survival from Oxidative Stress through Attenuating NF-ÎB/p65 Activation. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	1.9	16
35	A ROS responsive nanomedicine with enhanced photodynamic therapy via dual mechanisms: GSH depletion and biosynthesis inhibition. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111955.	1.7	16
36	Coconut-shell-derived activated carbon for NIR photo-activated synergistic photothermal-chemodynamic cancer therapy. Journal of Materials Chemistry B, 2021, 9, 2447-2456.	2.9	16

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37	Mutual sensitization mechanism and self-degradation property of drug delivery system for in vitro photodynamic therapy. International Journal of Pharmaceutics, 2016, 498, 335-346.	2.6	15
38	GRP78 Promotes Neural Stem Cell Antiapoptosis and Survival in Response to Oxygen-Glucose Deprivation (OGD)/Reoxygenation through PI3K/Akt, ERK1/2, and NF-ÎB/p65 Pathways. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	1.9	15
39	Combination anticancer therapy activity studies for the complex of hypocrellin A and gallium ion. Dyes and Pigments, 2014, 101, 43-50.	2.0	13
40	Synthesis of vanadylâ€“hypocrellin A complex and its photodynamic properties research. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5003-5007.	1.0	11
41	Positively charged phthalocyanine-arginine conjugates as efficient photosensitizer for photodynamic therapy. Bioorganic and Medicinal Chemistry, 2017, 25, 1643-1651.	1.4	11
42	Design and synthesis of thymine modified phthalocyanine for AÎ² protofibrils photodegradation and AÎ² peptide aggregation inhibition. Talanta, 2019, 191, 27-38.	2.9	11
43	The ultrathin palladium nanosheets for sensitive and visual Hg2+ detection in the food chain. Journal of Hazardous Materials, 2022, 427, 128135.	6.5	11
44	Delivering a hydrophobic anticancer drug for photodynamic therapy by amorphous formulation. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6172-6174.	1.0	10
45	Zwitterionic phthalocyanine zinc (II) synthesis, and photodynamic activity comparison with nonionic and cationic phthalocyanine. Inorganic Chemistry Communication, 2017, 75, 1-4.	1.8	10
46	Spectroscopic studies on the interaction of Ga3+-hypocrellin A with myoglobin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 109-115.	2.0	9
47	Charge dependent photodynamic activity of alanine based zinc phthalocyanines. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 10-19.	1.7	9
48	Breaking the reduced glutathione-activated antioxidant defence for enhanced photodynamic therapy. Journal of Materials Chemistry B, 2017, 5, 6752-6761.	2.9	9
49	Photophysical and photochemical studies of a novel amphiphilic zinc phthalocyanine and its interaction with calf thymus DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 158, 1-8.	2.0	8
50	A mitochondria-target probe for OClâ^' â€œnaked eyeâ€•detection and its imaging in living cell. Talanta, 2019, 202, 369-374.	2.9	8
51	Multiple Functions Integrated inside a Single Molecule for Amplification of Photodynamic Therapy Activity. Molecular Pharmaceutics, 2020, 17, 190-201.	2.3	8
52	Comparison and investigation of bovine hemoglobin binding to dihydroartemisinin and 9-hydroxy-dihydroartemisinin: Spectroscopic characterization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 120-125.	2.0	7
53	Comparison of 9-hydroxy-artemisinin with artemisinin: interaction with bovine hemoglobin. Journal of Luminescence, 2015, 160, 188-194.	1.5	6
54	The influence of modified molecular (D/L-serine) chirality on the theragnostic of PAMAM-based nanomedicine for acute kidney injury. Journal of Materials Chemistry B, 2021, 9, 9023-9030.	2.9	6

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55	Plasmid DNAâ€Based Bioluminescenceâ€Activated System for Photodynamic Therapy in Cancer Treatment. ChemMedChem, 2021, 16, 1967-1974.	1.6	6
56	Modulating the photo-exciting process of photosensitizer to improve in vitro phototoxicity by preparing its self-assembly nanostructures. RSC Advances, 2015, 5, 2794-2805.	1.7	5
57	Interactions of CT DNA with hexagonal NaYF4 co-doped with Yb3+/Tm3+ upconversion particles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 995-1003.	2.0	5
58	Spectroscopic study on the interaction of bovine serum albumin with zinc(II) phthalocyanine. Luminescence, 2015, 30, 1367-1374.	1.5	5
59	Pre-drug Self-assembled Nanoparticles: Recovering activity and overcoming glutathione-associated cell antioxidant resistance against photodynamic therapy. Free Radical Biology and Medicine, 2018, 124, 431-446.	1.3	5
60	The synthesis and characterization of ethylenediamine-modified Elsinochrome A. Dyes and Pigments, 2012, 94, 99-102.	2.0	4
61	Complexation of Hypocrellin A with Al3+ in water solution and the photodynamic therapy study. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1689-1692.	1.0	4
62	The influences of the number of the ammonium groups and their arrangement manner on the photophysical properties of the quaternized zinc phthalocyanines. Inorganic Chemistry Communication, 2015, 53, 15-19.	1.8	4
63	Arginineâ€Substituted Phthalocyanine with Concentrationâ€Driven Selfâ€Disaggregation Performance: Synthesis, Properties and Mechanistic Study. Chemistry - an Asian Journal, 2016, 11, 3008-3013.	1.7	4
64	One-pot method to prepare a theranostic nanosystem with magnetic resonance imaging function and anticancer activity through multiple mechanisms. Dalton Transactions, 2017, 46, 5151-5158.	1.6	4
65	DNA combining and photocleaving properties of photosensitizer-encapsulated silica nanoparticles. Monatshefte FÃ¼r Chemie, 2009, 140, 1167-1170.	0.9	3
66	Comparing the interaction of vanadyl-hypocrellin A complex and hypocrellin A with CT DNA. Journal of Molecular Structure, 2013, 1036, 127-132.	1.8	3
67	A facile drug delivery system preparation through the interaction between drug and iron ion of transferrin. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	3
68	Effects of protonation degree on photodynamic activity of zinc phthalocyanine substituted with 1,2-diethylamino. Inorganic Chemistry Communication, 2014, 48, 107-110.	1.8	3
69	Preparation and inÂvitro anticancer activity comparison of photosensitive nanoparticles with different self-assemble degree. Dyes and Pigments, 2015, 122, 206-212.	2.0	3
70	Polycyclodextrin as a linker for nanomedicine fabrication and synergistic anticancer application. Carbohydrate Polymers, 2021, 273, 118608.	5.1	3
71	Influence of N atom number and form on the photodynamic activities of zinc phthalocyanines. Journal of Porphyrins and Phthalocyanines, 2016, 20, 602-614.	0.4	2
72	Drug Delivery: Drug-Controlled Release Based on Complementary Base Pairing Rules for Photodynamic-Photothermal Synergistic Tumor Treatment (Small 3/2019). Small, 2019, 15, 1970019.	5.2	2

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73	Synergistic anticancer theragnostic study of a core-shell structured galvanic cell. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112154.	2.5	2
74	Improved Photodynamic Activity of Phthalocyanine by Adjusting the Chirality of Modified Amino Acids. Molecular Pharmaceutics, 2022, 19, 115-123.	2.3	2
75	Twoâ€Dimensional Polydopamine Fabrication by a Mild Oxidationâ€Based Exfoliation Route and its Application for Cancer Treatment. Advanced Materials Interfaces, 0, , 2200440.	1.9	2
76	Synthesis of Calcium Phosphate Nanoparticleâ€Based Docetaxel Delivery System and its In Vitro Anticancer Activity. International Journal of Applied Ceramic Technology, 2015, 12, 300-305.	1.1	1
77	Oxidative burst as a continuous H2O2 supplier for tumor oxygenation in photodynamic therapy. Materials Advances, 0, , .	2.6	0