Weihua Zhuang

List of Publications by Year
in descending order

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46	1,218	331670	395702
papers	citations	21 h-index	33 g-index

48	48	48	1462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactive Oxygen Species Responsive Theranostic Nanoplatform for Two-Photon Aggregation-Induced Emission Imaging and Therapy of Acute and Chronic Inflammation. ACS Nano, 2020, 14, 5862-5873.	14.6	100
2	Multifunctional Two-Photon AIE Luminogens for Highly Mitochondria-Specific Bioimaging and Efficient Photodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 20715-20724.	8.0	94
3	Redox and pH Dual-Responsive Polymeric Micelles with Aggregation-Induced Emission Feature for Cellular Imaging and Chemotherapy. ACS Applied Materials & Interfaces, 2018, 10, 18489-18498.	8.0	91
4	pH-sensitive doxorubicin-conjugated prodrug micelles with charge-conversion for cancer therapy. Acta Biomaterialia, 2018, 70, 186-196.	8.3	79
5	Redox-Responsive Biomimetic Polymeric Micelle for Simultaneous Anticancer Drug Delivery and Aggregation-Induced Emission Active Imaging. Bioconjugate Chemistry, 2018, 29, 1897-1910.	3.6	54
6	ROS Responsive Nanoplatform with Twoâ€Photon AIE Imaging for Atherosclerosis Diagnosis and â€œTwoâ€Prongedâ€•Therapy. Small, 2020, 16, e2003253.	10.0	49
7	Micelle-Embedded Layer-by-Layer Coating with Catechol and Phenylboronic Acid for Tunable Drug Loading, Sustained Release, Mild Tissue Response, and Selective Cell Fate for Re-endothelialization. ACS Applied Materials & Interfaces, 2019, 11, 10337-10350.	8.0	48
8	Multifunctional coatings that mimic the endothelium: surface bound active heparin nanoparticles with in situ generation of nitric oxide from nitrosothiols. Journal of Materials Chemistry B, 2018, 6, 5582-5595.	5.8	43
9	Multi-stimuli responsive polymeric prodrug micelles for combined chemotherapy and photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 5267-5279.	5.8	35
10	Biomimetic-Coated Nanoplatform with Lipid-Specific Imaging and ROS Responsiveness for Atherosclerosis-Targeted Theranostics. ACS Applied Materials & Interfaces, 2021, 13, 35410-35421.	8.0	33
11	Dual-Responsive Doxorubicin-Conjugated Polymeric Micelles with Aggregation-Induced Emission Active Bioimaging and Charge Conversion for Cancer Therapy. Bioconjugate Chemistry, 2018, 29, 4050-4061.	3.6	32
12	A biomimetic and pH-sensitive polymeric micelle as carrier for paclitaxel delivery. International Journal of Energy Production and Management, 2018, 5, 15-24.	3.7	30
13	In situ synthesis of multidentate PEGylated chitosan modified gold nanoparticles with good stability and biocompatibility. RSC Advances, 2015, 5, 70109-70116.	3.6	29
14	A lipid droplet targeted fluorescent probe for high-efficiency image-guided photodynamic therapy of renal cell carcinoma. Chemical Communications, 2021, 57, 1046-1049.	4.1	29
15	Turn-on fluorescent probe for lipid droplet specific imaging of fatty liver and atherosclerosis. Journal of Materials Chemistry B, 2021, 9, 4050-4055.	5.8	28
16	Drug carrier system self-assembled from biomimetic polyphosphorycholine and biodegradable polypeptide based diblock copolymers. Polymer, 2016, 100, 45-55.	3.8	27
17	Two-photon AIE probe conjugated theranostic nanoparticles for tumor bioimaging and pH-sensitive drug delivery. Nano Research, 2019, 12, 1703-1712.	10.4	25
18	High contrast stimuli-responsive luminescence switching of pyrene-1-carboxylic esters triggered by a crystal-to-crystal transition. New Journal of Chemistry, 2017, 41, 13784-13791.	2.8	24

#	Article	IF	Citations
19	Dual-Responsive Micelles with Aggregation-Induced Emission Feature and Two-Photon Aborsption for Accurate Drug Delivery and Bioimaging. Bioconjugate Chemistry, 2019, 30, 2075-2087.	3.6	24
20	Two-photon AIE luminogen labeled multifunctional polymeric micelles for theranostics. Theranostics, 2019, 9, 6618-6630.	10.0	24
21	Oxidation-Responsive and Aggregation-Induced Emission Polymeric Micelles with Two-Photon Excitation for Cancer Therapy and Bioimaging. ACS Biomaterials Science and Engineering, 2019, 5, 2577-2586.	5.2	23
22	Preparation of organic mechanochromic fluorophores with simple structures and promising mechanochromic luminescence properties. RSC Advances, 2016, 6, 84787-84793.	3.6	18
23	Cationâ€“anion interaction directed dual-mode switchable mechanochromic luminescence. Journal of Materials Chemistry C, 2017, 5, 8527-8534.	5.5	18
24	TPEâ€conjugated biomimetic and biodegradable polymeric micelle for AIE active cell imaging and cancer therapy. Journal of Applied Polymer Science, 2018, 135, 45651.	2.6	18
25	Performance of PEGylated chitosan and poly (L-lactic acid-co-Îµ-caprolactone) bilayer vascular grafts in a canine femoral artery model. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110806.	5.0	18
26	A bioprosthetic heart valve cross-linked by a non-glutaraldehyde reagent with improved biocompatibility, endothelialization, anti-coagulation and anti-calcification properties. Journal of Materials Chemistry B, 2021, 9, 4031-4038.	5.8	18
27	pH and singlet oxygen dual-responsive GEM prodrug micelles for efficient combination therapy of chemotherapy and photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 5645-5654.	5.8	16
28	A biheteroaryl-bridged fluorescence probe enables lipid droplets-specific bioimaging and photodynamic therapy in clinical clear cell renal cell carcinoma. Dyes and Pigments, 2021, 188, 109215.	3.7	15
29	A smart probe for simultaneous imaging of the lipid/water microenvironment in atherosclerosis and fatty liver. Chemical Communications, 2022, 58, 4020-4023.	4.1	15
30	Hierarchical Responsive Nanoplatform with Two-Photon Aggregation-Induced Emission Imaging for Efficient Cancer Theranostics. ACS Applied Materials & Interfaces, 2019, 11, 47259-47269.	8.0	14
31	Integrated prodrug micelles with two-photon bioimaging and pH-triggered drug delivery for cancer theranostics. International Journal of Energy Production and Management, 2020, 7, 171-180.	3.7	13
32	A bifunctional mitochondrial targeting AIE-active fluorescent probe with high sensitivity to hydrogen peroxide and viscosity for fatty liver diagnosis. New Journal of Chemistry, 2021, 45, 12138-12144.	2.8	13
33	A lipid droplet specific fluorescent probe for image-guided photodynamic therapy under hypoxia. Journal of Materials Chemistry B, 2021, 9, 9553-9560.	5.8	13
34	ROS and GSH Dualâ€Responsive GEM Prodrug Micelles for ROSâ€Triggered Fluorescence Turn on Bioimaging and Cancer Therapy. Advanced Materials Interfaces, 2020, 7, 2000294.	3.7	12
35	Stability research on polydopamine and immobilized albumin on 316L stainless steel. International Journal of Energy Production and Management, 2016, 3, 277-284.	3.7	11
36	A fully absorbable biomimetic polymeric micelle loaded with cisplatin as drug carrier for cancer therapy. International Journal of Energy Production and Management, 2018, 5, 1-8.	3.7	11

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37	A lipid droplets specific probe for imaging of atherosclerosis and fibrocalcific bicuspid aortic valves. Sensors and Actuators B: Chemical, 2021, 346, 130458.	7.8	11
38	Micelles prepared from poly(N-isopropylacrylamide-co-tetraphenylethene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (acrylate)-b-poly hydrophilic drug carrier. Journal of Materials Chemistry B, 2018, 6, 7495-7502.	5.8	10
39	Specific lipid droplet imaging of atherosclerotic plaques and fatty liver using an imidazole-based fluorescence probe. Dyes and Pigments, 2022, 204, 110439.	3.7	8
40	Nitrobenzoxadiazole based lipid droplets specific probes for atherosclerosis imaging. Dyes and Pigments, 2022, 205, 110518.	3.7	8
41	Direct [4 + 2] Cycloaddition to Isoquinoline-Fused Porphyrins for Near-Infrared Photodynamic Anticancer Agents. Organic Letters, 2022, 24, 175-180.	4.6	7
42	A lipid droplet-specific fluorescence probe for atherosclerotic plaque imaging. Analyst, The, 2022, 147, 3081-3086.	3.5	6
43	Cationâ€“anion interaction-directed formation of functional vesicles and their biological application for nucleus-specific imaging. New Journal of Chemistry, 2018, 42, 9187-9192.	2.8	5
44	A two-photon fluorophore labeled multi-functional drug carrier for targeting cancer therapy, inflammation restraint and AIE active bioimaging. Journal of Materials Chemistry B, 2019, 7, 3894-3908.	5.8	5
45	PEGylated chitosan and PEGylated PLCL for blood vessel repair: An in vitro study. Journal of Biomaterials Applications, 2020, 34, 778-789.	2.4	4
46	An intelligent probe with dual-emission in water and oil for lipid droplet specific imaging in human fibrocalcific aortic valvular leaflet. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120895.	3.9	4