Hongmin Chen

List of Publications by Year
in descending order

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61 papers	5,956 citations	87723 38 h-index	123241 61 g-index
62 all docs	62 docs citations	62 times ranked	8612 citing authors

#	Article	IF	Citations
1	Rethinking cancer nanotheranostics. Nature Reviews Materials, 2017, 2, .	23.3	860
2	Nanoscintillator-Mediated X-ray Inducible Photodynamic Therapy for In Vivo Cancer Treatment. Nano Letters, 2015, 15, 2249-2256.	4.5	312
3	RGD-Modified Apoferritin Nanoparticles for Efficient Drug Delivery to Tumors. ACS Nano, 2013, 7, 4830-4837.	7.3	308
4	Self-Assembly of Novel Mesoporous Manganese Oxide Nanostructures and Their Application in Oxidative Decomposition of Formaldehyde. Journal of Physical Chemistry C, 2007, 111, 18033-18038.	1.5	248
5	Ferritin Nanocages To Encapsulate and Deliver Photosensitizers for Efficient Photodynamic Therapy against Cancer. ACS Nano, 2013, 7, 6988-6996.	7.3	246
6	Facile Synthesis of Monodisperse Manganese Oxide Nanostructures and Their Application in Water Treatment. Journal of Physical Chemistry C, 2008, 112, 17540-17545.	1.5	221
7	Hybrid cellular membrane nanovesicles amplify macrophage immune responses against cancer recurrence and metastasis. Nature Communications, 2020, 11, 4909.	5.8	199
8	X-Ray Induced Photodynamic Therapy: A Combination of Radiotherapy and Photodynamic Therapy. Theranostics, 2016, 6, 2295-2305.	4.6	171
9	Red Blood Cellâ€Facilitated Photodynamic Therapy for Cancer Treatment. Advanced Functional Materials, 2016, 26, 1757-1768.	7.8	167
10	X-ray-charged bright persistent luminescence in NaYF4:Ln3+@NaYF4 nanoparticles for multidimensional optical information storage. Light: Science and Applications, 2021, 10, 132.	7.7	154
11	Gdâ€Encapsulated Carbonaceous Dots with Efficient Renal Clearance for Magnetic Resonance Imaging. Advanced Materials, 2014, 26, 6761-6766.	11.1	151
12	Surface impact on nanoparticle-based magnetic resonance imaging contrast agents. Theranostics, 2018, 8, 2521-2548.	4.6	149
13	Nanoparticleâ€Laden Macrophages for Tumorâ€Tropic Drug Delivery. Advanced Materials, 2018, 30, e1805557.	11.1	143
14	Facile Fabrication of Raspberry-like Composite Nanoparticles and Their Application as Building Blocks for Constructing Superhydrophilic Coatings. Journal of Physical Chemistry C, 2009, 113, 9063-9070.	1.5	135
15	Gadoliniumâ€Encapsulated Graphene Carbon Nanotheranostics for Imagingâ€Guided Photodynamic Therapy. Advanced Materials, 2018, 30, e1802748.	11.1	135
16	Aggregationâ€Induced Emission Gold Clustoluminogens for Enhanced Lowâ€Dose Xâ€rayâ€Induced Photodynamic Therapy. Angewandte Chemie - International Edition, 2020, 59, 9914-9921.	7.2	131
17	LiGa₅O₈:Cr-based theranostic nanoparticles for imaging-guided X-ray induced photodynamic therapy of deep-seated tumors. Materials Horizons, 2017, 4, 1092-1101.	6.4	128
18	Nanoscintillator-Mediated X-Ray Induced Photodynamic Therapy for Deep-Seated Tumors: From Concept to Biomedical Applications. Theranostics, 2020, 10, 1296-1318.	4.6	127

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19	Synthesis, Growth Mechanism, and Electrochemical Properties of Hollow Mesoporous Carbon Spheres with Controlled Diameter. Journal of Physical Chemistry C, 2011, 115, 17717-17724.	1.5	125
20	Porous Silica Nanocapsules and Nanospheres: Dynamic Self-Assembly Synthesis and Application in Controlled Release. Chemistry of Materials, 2008, 20, 5894-5900.	3.2	119
21	Monodisperse and Uniform Mesoporous Silicate Nanosensitizers Achieve Lowâ€Dose Xâ€Rayâ€Induced Deepâ€Penetrating Photodynamic Therapy. Advanced Materials, 2019, 31, e1808024.	11.1	106
22	Photostimulable Near-Infrared Persistent Luminescent Nanoprobes for Ultrasensitive and Longitudinal Deep-Tissue Bio-Imaging. Theranostics, 2014, 4, 1112-1122.	4.6	104
23	Chromium-Doped Zinc Gallogermanate@Zeolitic Imidazolate Framework-8: A Multifunctional Nanoplatform for Rechargeable In Vivo Persistent Luminescence Imaging and pH-Responsive Drug Release. ACS Applied Materials & Interfaces, 2019, 11, 1907-1916.	4.0	95
24	Gadoliniumâ€“Rose Bengal Coordination Polymer Nanodots for MRâ€/Fluorescenceâ€Imageâ€Guided Radiation and Photodynamic Therapy. Advanced Materials, 2020, 32, e2000377.	11.1	95
25	Nanoparticles for improving cancer diagnosis. Materials Science and Engineering Reports, 2013, 74, 35-69.	14.8	94
26	Label-Free Luminescent Mesoporous Silica Nanoparticles for Imaging and Drug Delivery. Theranostics, 2013, 3, 650-657.	4.6	85
27	NaCl Nanoparticles as a Cancer Therapeutic. Advanced Materials, 2019, 31, e1904058.	11.1	74
28	A single-step multi-level supramolecular system for cancer sonotheranostics. Nanoscale Horizons, 2019, 4, 190-195.	4.1	71
29	Porous magnetic manganese oxide nanostructures: Synthesis and their application in water treatment. Journal of Colloid and Interface Science, 2011, 359, 68-74.	5.0	70
30	Iron oxide nanoparticle encapsulated diatoms for magnetic delivery of small molecules to tumors. Nanoscale, 2014, 6, 2073.	2.8	70
31	Conjugation of a Scintillator Complex and Gold Nanorods for Dual-Modal Image-Guided Photothermal and X-ray-Induced Photodynamic Therapy of Tumors. ACS Applied Materials & Interfaces, 2020, 12, 12591-12599.	4.0	59
32	Fe₅C₂ Nanoparticles with High MRI Contrast Enhancement for Tumor Imaging. Small, 2014, 10, 1245-1249.	5.2	58
33	Mesoporous Silica as Nanoreactors to Prepare Gdâ€Encapsulated Carbon Dots of Controllable Sizes and Magnetic Properties. Advanced Functional Materials, 2016, 26, 3973-3982.	7.8	58
34	Glycine-assisted hydrothermal synthesis of peculiar porous Î±-Fe2O3 nanospheres with excellent gas-sensing properties. Analytica Chimica Acta, 2010, 659, 266-273.	2.6	54
35	Xâ€Rayâ€Induced Persistent Luminescence Promotes Ultrasensitive Imaging and Effective Inhibition of Orthotopic Hepatic Tumors. Advanced Functional Materials, 2020, 30, 2001166.	7.8	54
36	One-Step Synthesis of Monodisperse and Hierarchically Mesostructured Silica Particles with a Thin Shell. Langmuir, 2010, 26, 13556-13563.	1.6	51

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37	NaMgF₃:Tb³⁺@NaMgF₃ Nanoparticles Containing Deep Traps for Optical Information Storage. Advanced Optical Materials, 2021, 9, 2100624.	3.6	48
38	Fine control over the morphology and structure of mesoporous silica nanomaterials by a dual-templating approach. Chemical Communications, 2008, , 4422.	2.2	46
39	Casein-Coated Fe₅C₂ Nanoparticles with Superior r₂ Relaxivity for Liver-Specific Magnetic Resonance Imaging. Theranostics, 2015, 5, 1225-1232.	4.6	33
40	Magnetic Manganese Oxide Sweetgum-Ball Nanospheres with Large Mesopores Regulate Tumor Microenvironments for Enhanced Tumor Nanotheranostics. ACS Applied Materials & Interfaces, 2019, 11, 37461-37470.	4.0	32
41	Carbonâ€Nanotubeâ€Based Stimuliâ€Responsive Controlledâ€Release System. Chemistry - A European Journal, 2011, 17, 4454-4459.	1.7	28
42	Acridine Orange Encapsulated Mesoporous Manganese Dioxide Nanoparticles to Enhance Radiotherapy. Bioconjugate Chemistry, 2020, 31, 82-92.	1.8	27
43	Interplay of Nanoparticle Rigidity and Its Translocation Ability through Cell Membrane. Journal of Physical Chemistry B, 2019, 123, 8923-8930.	1.2	26
44	X-ray-Activated Simultaneous Near-Infrared and Short-Wave Infrared Persistent Luminescence Imaging for Long-Term Tracking of Drug Delivery. ACS Applied Materials & Interfaces, 2021, 13, 16166-16172.	4.0	26
45	Gd and Eu Co-Doped Nanoscale Metalâ€“Organic Framework as a T1â€“T2 Dual-Modal Contrast Agent for Magnetic Resonance Imaging. Tomography, 2016, 2, 179-187.	0.8	25
46	Hollow mesoporous carbon nanospheres for imaging-guided light-activated synergistic thermo-chemotherapy. Nanoscale, 2019, 11, 16351-16361.	2.8	23
47	Self-assembly of Birnessite Manganese Dioxide into Monodisperse Honeycomb and Hollow Nanospheres. Chemistry Letters, 2007, 36, 174-175.	0.7	21
48	Flower-like tungsten oxide particles: Synthesis, characterization and dimethyl methylphosphonate sensing properties. Analytica Chimica Acta, 2010, 675, 36-41.	2.6	21
49	Aggregationâ€Induced Emission Gold Clustoluminogens for Enhanced Lowâ€Dose Xâ€rayâ€Induced Photodynamic Therapy. Angewandte Chemie, 2020, 132, 10000-10007.	1.6	21
50	Fe-Coordinated Carbon Nanozyme Dots as Peroxidase-Like Nanozymes and Magnetic Resonance Imaging Contrast Agents. ACS Applied Bio Materials, 2021, 4, 5520-5528.	2.3	21
51	Carbonized paramagnetic complexes of Mn (II) as contrast agents for precise magnetic resonance imaging of sub-millimeter-sized orthotopic tumors. Nature Communications, 2022, 13, 1938.	5.8	21
52	NIR-II emissive AIEgen photosensitizers enable ultrasensitive imaging-guided surgery and phototherapy to fully inhibit orthotopic hepatic tumors. Journal of Nanobiotechnology, 2021, 19, 419.	4.2	20
53	Mn³⁺-rich oxide/persistent luminescence nanoparticles achieve light-free generation of singlet oxygen and hydroxyl radicals for responsive imaging and tumor treatment. Theranostics, 2021, 11, 7439-7449.	4.6	19
54	One-step synthesis of functional chiral porous silica nanorods using an achiral surfactant. Dalton Transactions, 2009, , 6651.	1.6	18

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55	Protein-Adsorbed Magnetic-Nanoparticle-Mediated Assay for Rapid Detection of Bacterial Antibiotic Resistance. Bioconjugate Chemistry, 2017, 28, 890-896.	1.8	14
56	Rapid evaporation-induced synthesis of monodisperse budded silica spheres. Journal of Colloid and Interface Science, 2007, 316, 211-215.	5.0	11
57	LiF@SiO2 nanocapsules for controlled lithium release and osteoarthritis treatment. Nano Research, 2018, 11, 5751-5760.	5.8	8
58	Ion drugs for precise orthotopic tumor management by in situ the generation of toxic ion and drug pools. Theranostics, 2022, 12, 734-746.	4.6	6
59	Intracellular marriage of bicarbonate and Mn ions as â€œimmune ion reactorsâ€•to regulate redox homeostasis and enhanced antitumor immune responses. Journal of Nanobiotechnology, 2022, 20, 193.	4.2	6
60	Gd Carbon Dots: Mesoporous Silica as Nanoreactors to Prepare Gd-Encapsulated Carbon Dots of Controllable Sizes and Magnetic Properties (Adv. Funct. Mater. 22/2016). Advanced Functional Materials, 2016, 26, 4036-4036.	7.8	4
61	Composition tunability of semiconductor radiosensitizers for low-dose X-ray induced photodynamic therapy. Journal of Nanobiotechnology, 2022, 20, .	4.2	4