

# Zhenqing Hou

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

2,356  
citations

201385

27  
h-index

223531

46  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemotherapeutic drug-photothermal agent co-self-assembling nanoparticles for near-infrared fluorescence and photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. <i>Journal of Controlled Release</i> , 2017, 258, 95-107.	4.8	207
2	Drug/Dye-Loaded, Multifunctional PEG-Chitosan-Iron Oxide Nanocomposites for Methotrexate Synergistically Self-Targeted Cancer Therapy and Dual Model Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11908-11920.	4.0	119
3	Phytosomes Loaded with Mitomycin C-Soybean Phosphatidylcholine Complex Developed for Drug Delivery. <i>Molecular Pharmaceutics</i> , 2013, 10, 90-101.	2.3	118
4	Tumor Microenvironment Responsive Shape-Reversal Self-Targeting Virus-Inspired Nanodrug for Imaging-Guided Near-Infrared-II Photothermal Chemotherapy. <i>ACS Nano</i> , 2019, 13, 12912-12928.	7.3	118
5	Methotrexate-Camptothecin Prodrug Nanoassemblies as a Versatile NanoplatforM for Biomodal Imaging-Guided Self-Active Targeted and Synergistic Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34650-34665.	4.0	105
6	Light/pH-Triggered Biomimetic Red Blood Cell Membranes Camouflaged Small Molecular Drug Assemblies for Imaging-Guided Combinational Chemo-Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15262-15275.	4.0	90
7	Development of Both Methotrexate and Mitomycin C Loaded PEGylated Chitosan Nanoparticles for Targeted Drug Codelivery and Synergistic Anticancer Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11413-11423.	4.0	77
8	Tumor microenvironment-activated self-recognizing nanodrug through directly tailored assembly of small-molecules for targeted synergistic chemotherapy. <i>Journal of Controlled Release</i> , 2020, 321, 222-235.	4.8	72
9	Self-Assembled Nanoparticles Based on Amphiphilic Anticancer Drug-Phospholipid Complex for Targeted Drug Delivery and Intracellular Dual-Controlled Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17573-17581.	4.0	66
10	Mitomycin C-Soybean Phosphatidylcholine Complex-Loaded Self-Assembled PEG-Lipid-PLA Hybrid Nanoparticles for Targeted Drug Delivery and Dual-Controlled Drug Release. <i>Molecular Pharmaceutics</i> , 2014, 11, 2915-2927.	2.3	64
11	Polyhydroxylated fullerene attenuates oxidative stress-induced apoptosis via a fortifying Nrf2-regulated cellular antioxidant defence system. <i>International Journal of Nanomedicine</i> , 2014, 9, 2073.	3.3	61
12	Self-Targeted, Shape-Assisted, and Controlled-Release Self-Delivery Nanodrug for Synergistic Targeting/Anticancer Effect of Cytoplasm and Nucleus of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25553-25559.	4.0	59
13	Both FA- and mPEG-conjugated chitosan nanoparticles for targeted cellular uptake and enhanced tumor tissue distribution. <i>Nanoscale Research Letters</i> , 2011, 6, 563.	3.1	58
14	Orthogonally Functionalized Nanoscale Micelles for Active Targeted Codelivery of Methotrexate and Mitomycin C with Synergistic Anticancer Effect. <i>Molecular Pharmaceutics</i> , 2015, 12, 769-782.	2.3	56
15	Design of pH-sensitive methotrexate prodrug-targeted curcumin nanoparticles for efficient dual-drug delivery and combination cancer therapy. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1381-1398.	3.3	50
16	Core-interlayer-shell Fe <sub>3</sub> O <sub>4</sub> @mSiO <sub>2</sub> @lipid-PEG-methotrexate nanoparticle for multimodal imaging and multistage targeted chemo-photodynamic therapy. <i>International Journal of Pharmaceutics</i> , 2017, 521, 19-32.	2.6	48
17	Tumor-Specific Endogenous Fe <sup>II</sup> -Activated, MRI-Guided Self-Targeting Gadolinium-Coordinated Theranostic NanoplatforM for Amplification of ROS and Enhanced Chemodynamic Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14884-14904.	4.0	44
18	Dually folate/CD44 receptor-targeted self-assembled hyaluronic acid nanoparticles for dual-drug delivery and combination cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6835-6846.	2.9	43

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19	Novel methotrexate prodrug-targeted drug delivery system based on PEGâ€“lipidâ€“PLA hybrid nanoparticles for enhanced anticancer efficacy and reduced toxicity of mitomycin C. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6534-6548.	2.9	39
20	Multifunctional Nanosystem Based on Graphene Oxide for Synergistic Multistage Tumor-Targeting and Combined Chemo-Photothermal Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 1982-1998.	2.3	38
21	Tumor Microenvironment Cascade-Responsive Nanodrug with Self-Targeting Activation and ROS Regeneration for Synergistic Oxidation-Chemotherapy. <i>Nano-Micro Letters</i> , 2020, 12, 182.	14.4	38
22	Zinc phthalocyanine-soybean phospholipid complex based drug carrier for switchable photoacoustic/fluorescence image, multiphase photothermal/photodynamic treatment and synergetic therapy. <i>Journal of Controlled Release</i> , 2018, 284, 1-14.	4.8	34
23	Novel Core-Interlayer-Shell DOX/ZnPc Co-loaded MSNs@ pH-Sensitive CaP@PEGylated Liposome for Enhanced Synergetic Chemo-Photodynamic Therapy. <i>Pharmaceutical Research</i> , 2018, 35, 57.	1.7	33
24	Imaging-guided synergistic targeting-promoted photo-chemotherapy against cancers by methotrexate-conjugated hyaluronic acid nanoparticles. <i>Chemical Engineering Journal</i> , 2020, 380, 122426.	6.6	31
25	Programmed Nanococktail Based on pH-Responsive Function Switch for Self-Synergistic Tumor-Targeting Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39127-39142.	4.0	30
26	Glutathione-responsive self-delivery nanoparticles assembled by curcumin dimer for enhanced intracellular drug delivery. <i>International Journal of Pharmaceutics</i> , 2018, 549, 230-238.	2.6	30
27	Integration of phospholipid-hyaluronic acid-methotrexate nanocarrier assembly and amphiphilic drugâ€“drug conjugate for synergistic targeted delivery and combinational tumor therapy. <i>Biomaterials Science</i> , 2018, 6, 1818-1833.	2.6	29
28	Bacillus-Shape Design of Polymer Based Drug Delivery Systems with Janus-Faced Function for Synergistic Targeted Drug Delivery and More Effective Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 1318-1327.	2.3	28
29	Self-recognizing and stimulus-responsive carrier-free metal-coordinated nanotheranostics for magnetic resonance/photoacoustic/fluorescence imaging-guided synergistic photo-chemotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5667-5681.	2.9	28
30	Ethylenediaminetetraacetic acid as capping ligands for highly water-dispersible iron oxide particles. <i>Nanoscale Research Letters</i> , 2014, 9, 27.	3.1	26
31	Validation of a Janus role of methotrexate-based PEGylated chitosan nanoparticles in vitro. <i>Nanoscale Research Letters</i> , 2014, 9, 363.	3.1	25
32	Redox-Responsive and Dual-Targeting Hyaluronic Acidâ€“Methotrexate Prodrug Self-Assembling Nanoparticles for Enhancing Intracellular Drug Self-Delivery. <i>Molecular Pharmaceutics</i> , 2019, 16, 3133-3144.	2.3	25
33	Dual-self-recognizing, stimulus-responsive and carrier-free methotrexateâ€“mannose conjugate nanoparticles with highly synergistic chemotherapeutic effects. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1922-1934.	2.9	24
34	Self-targeted, bacillus-shaped, and controlled-release methotrexate prodrug polymeric nanoparticles for intratumoral administration with improved therapeutic efficacy in tumor-bearing mice. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7707-7717.	2.9	22
35	Self-Distinguishing and Stimulus-Responsive Carrier-Free Theranostic Nanoagents for Imaging-Guided Chemo-Photothermal Therapy in Small-Cell Lung Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51314-51328.	4.0	22
36	pH-responsive stearic acid-O-carboxymethyl chitosan assemblies as carriers delivering small molecular drug for chemotherapy. <i>Materials Science and Engineering C</i> , 2019, 105, 110107.	3.8	20

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37	Endogenous Fe <sup>2+</sup> -activated ROS nanoamplifier for esterase-responsive and photoacoustic imaging-monitored therapeutic improvement. <i>Nano Research</i> , 2022, 15, 907-918.	5.8	20
38	Shuttle-Shape Carrier-Free Platinum-Coordinated Nanoreactors with O <sub>2</sub> Self-Supply and ROS Augment for Enhanced Phototherapy of Hypoxic Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32690-32702.	4.0	19
39	A $\beta$ -responsive metformin-based supramolecular synergistic nanodrugs for Alzheimer's disease via enhancing microglial A $\beta$ clearance. <i>Biomaterials</i> , 2022, 283, 121452.	5.7	19
40	Integration of an anti-tumor drug into nanocrystalline assemblies for sustained drug release. <i>Chemical Science</i> , 2015, 6, 1650-1654.	3.7	18
41	Drp1-Dependent Mitochondrial Fission Mediates Toxicity of Positively Charged Graphene in Microglia. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 722-733.	2.6	17
42	Dual-drug loaded nanoneedles with targeting property for efficient cancer therapy. <i>Journal of Nanobiotechnology</i> , 2017, 15, 91.	4.2	17
43	Selective antitumor activity of drug-free TPGS nanomicelles with ROS-induced mitochondrial cell death. <i>International Journal of Pharmaceutics</i> , 2021, 594, 120184.	2.6	17
44	Preparation and in vitro evaluation of an ultrasound-triggered drug delivery system: 10-Hydroxycamptothecin loaded PLA microbubbles. <i>Ultrasonics</i> , 2012, 52, 836-841.	2.1	15
45	A metal-free approach to bipyridinium salt-based conjugated porous polymers with olefin linkages. <i>Polymer Chemistry</i> , 2021, 12, 1661-1667.	1.9	15
46	Dual-acting, function-responsive, and high drug payload nanospheres for combining simplicity and efficacy in both self-targeted multi-drug co-delivery and synergistic anticancer effect. <i>International Journal of Pharmaceutics</i> , 2016, 512, 194-203.	2.6	14
47	Direct Growth of Microspheres on Amorphous Precursor Domains in Polymer-Controlled Crystallization of Indomethacin. <i>Crystal Growth and Design</i> , 2016, 16, 1428-1434.	1.4	14
48	A novel self-targeting theranostic nanoplatform for photoacoustic imaging-monitored and enhanced chemo-sonodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5547-5559.	2.9	14
49	Self-assembly of the active lactone form of a camptothecin-phospholipid complex for sustained nuclear drug delivery. <i>RSC Advances</i> , 2016, 6, 82949-82960.	1.7	13
50	A Comparative Evaluation of Hydroxycamptothecin Drug Nanorods With and Without Methotrexate Prodrug Functionalization for Drug Delivery. <i>Nanoscale Research Letters</i> , 2016, 11, 384.	3.1	12
51	Self-assembly of multifunctional integrated nanoparticles loaded with a methotrexate-phospholipid complex: combining simplicity and efficacy in both targeting and anticancer effects. <i>RSC Advances</i> , 2016, 6, 86717-86727.	1.7	11
52	Cube-shaped theranostic paclitaxel prodrug nanocrystals with surface functionalization of SPC and MPEG-DSPE for imaging and chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 649-660.	2.5	11
53	Design and in vitro evaluation of self-assembled indometacin prodrug nanoparticles for sustained/controlled release and reduced normal cell toxicity. <i>Applied Surface Science</i> , 2017, 425, 674-681.	3.1	11
54	Ultralong-Circulating and Self-Targeting "Watson" Crick A = T-Inspired Supramolecular Nanotheranostics for NIR-II Imaging-Guided Photochemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32477-32492.	4.0	11

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55	Tumor acidity-responsive carrier-free nanodrugs based on targeting activation <i>via</i> ICG-templated assembly for NIR-II imaging-guided photothermal chemotherapy. <i>Biomaterials Science</i> , 2021, 9, 1008-1019.	2.6	11
56	A Novel Yolk-Shell Fe <sub>3</sub> O <sub>4</sub> @ Mesoporous Carbon Nanoparticle as an Effective Tumor-Targeting Nanocarrier for Improvement of Chemotherapy and Photothermal Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1623.	1.8	11
57	Preparation of HCPT-Loaded Nanoneedles with Pointed Ends for Highly Efficient Cancer Chemotherapy. <i>Nanoscale Research Letters</i> , 2016, 11, 294.	3.1	10
58	Tumor-targeted co-delivery of mitomycin C and 10-hydroxycamptothecin via micellar nanocarriers for enhanced anticancer efficacy. <i>RSC Advances</i> , 2015, 5, 23022-23033.	1.7	9
59	Evaluation of self-assembled HCPT-loaded PEG-b-PLA nanoparticles by comparing with HCPT-loaded PLA nanoparticles. <i>Nanoscale Research Letters</i> , 2014, 9, 687.	3.1	8
60	Novel theranostic zinc phthalocyanine-phospholipid complex self-assembled nanoparticles for imaging-guided targeted photodynamic treatment with controllable ROS production and shape-assisted enhanced cellular uptake. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 76-89.	2.5	8
61	Novel, Self-Distinguished, Dual Stimulus-Responsive Therapeutic Nanoplatfor for Intracellular On-Demand Drug Release. <i>Molecular Pharmaceutics</i> , 2020, 17, 2435-2450.	2.3	8
62	Trojan-Horse Diameter-Reducible Nanotheranostics for Macroscopic/Microscopic Imaging-Monitored Chemo-Antiangiogenic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5033-5052.	4.0	8
63	Watson-Crick G-C inspired supramolecular nanodrug of methotrexate and 5-fluorouracil for tumor microenvironment-activatable self-recognizing synergistic chemotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3829-3841.	2.9	7
64	Self-targeting nanotherapy based on functionalized graphene oxide for synergistic thermochemotherapy. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 70-84.	5.0	7
65	PLA nanoparticles loaded with an active lactone form of hydroxycamptothecin: Development, optimization, and in vitro-in vivo evaluation in mice bearing H22 solid tumor. <i>Drug Development Research</i> , 2011, 72, 337-345.	1.4	6
66	In vitro and in vivo evaluation of novel implantable collagen-chitosan-soybean phosphatidylcholine composite film for the sustained delivery of mitomycin C. <i>Drug Development Research</i> , 2009, 70, 206-213.	1.4	4
67	Tumor Microenvironment-Activated and Viral-Mimicking Nanodrugs Driven by Molecular Precise Recognition for dNTP Inhibition-Induced Synergistic Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4442-4454.	2.6	4
68	Design of a Smart Transdermal Insulin Drug Delivery System. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	3
69	Validation of a dual role of methotrexate-based chitosan nanoparticles in vivo. <i>RSC Advances</i> , 2015, 5, 41393-41400.	1.7	3
70	Optimization of Production of PLA Microbubble Ultrasound Contrast Agents for Hydroxycamptothecin Delivery. , 2008, , .		2
71	Preparation and Evaluation of Implantable Chitosan-Collagen-Soybean Phosphatidylcholine Film Impregnated with Mitomycin C-PLA- Nanoparticles. , 2009, , .		2
72	Preparation and Characterization of PLA Ultrasound Contrast Agents by Combining an Ultrasound Method and a Shirasu Porous Glass (SPG) Membrane Emulsification Technique. , 2009, , .		0