

Zhigang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,737
citations

186265

28
h-index

223800

46
g-index

52
all docs

52
docs citations

52
times ranked

3447
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Responsive Nanoparticles for Enhanced Antitumor Activity by High-Intensity Focused Ultrasound Therapy Combined with Sonodynamic Therapy. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 333-350.	6.7	14
2	Dual-imaging magnetic nanocatalysis based on Fenton-like reaction for tumor therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3462-3473.	5.8	6
3	Homologous targeting nanoparticles for enhanced PDT against osteosarcoma HOS cells and the related molecular mechanisms. <i>Journal of Nanobiotechnology</i> , 2022, 20, 83.	9.1	36
4	Antithrombotic Therapy by Regulating the ROS-Mediated Thrombosis Microenvironment and Specific Nonpharmaceutical Thrombolysis Using Prussian Blue Nanodroplets. <i>Small</i> , 2022, 18, e2106252.	10.0	23
5	Two-Dimensional Ultra-Thin Nanosheets with Extraordinarily High Drug Loading and Long Blood Circulation for Cancer Therapy. <i>Small</i> , 2022, 18, e2200299.	10.0	24
6	Downregulating the P2X3 receptor in the carotid body to reduce blood pressure via acoustic gene delivery in canines. <i>Translational Research</i> , 2021, 227, 30-41.	5.0	5
7	Hypoxia modulation by dual-drug nanoparticles for enhanced synergistic sonodynamic and starvation therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 87.	9.1	23
8	Dual mitigation of immunosuppression combined with photothermal inhibition for highly effective primary tumor and metastases therapy. <i>Biomaterials</i> , 2021, 274, 120856.	11.4	32
9	Cancer cell membrane-coated nanoparticles for bimodal imaging-guided photothermal therapy and docetaxel-enhanced immunotherapy against cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 449.	9.1	41
10	Mitochondria-targeted nanoplatforms for enhanced photodynamic therapy against hypoxia tumor. <i>Journal of Nanobiotechnology</i> , 2021, 19, 440.	9.1	24
11	A mitochondria-targeted anticancer nanoplatform with deep penetration for enhanced synergistic sonodynamic and starvation therapy. <i>Biomaterials Science</i> , 2020, 8, 4581-4594.	5.4	33
12	Preparation and <i>in vitro</i> study of stromal cell-derived factor 1-targeted Fe ₃ O ₄ /poly(lactic-co-glycolic) T ₁ ETQq0 0 0 rgBT /Ov	1.8	1
13	Perfluorohexane-encapsulated fullerene nanospheres for dual-modality US/CT imaging and synergistic high-intensity focused ultrasound ablation. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 519-529.	6.7	25
14	NIR-responsive nanoplatform for pre/intraoperative image-guided carcinoma surgery and photothermal ablation of residual tumor tissue. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 20, 102020.	3.3	16
15	A novel NIR-controlled NO release of sodium nitroprusside-doped Prussian blue nanoparticle for synergistic tumor treatment. <i>Biomaterials</i> , 2019, 214, 119213.	11.4	66
16	IR780-loaded folate-targeted nanoparticles for near-infrared fluorescence image-guided surgery and photothermal therapy in ovarian cancer. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2757-2772.	6.7	34
17	Multifunctional Polypyrrole-Coated Mesoporous TiO ₂ Nanocomposites for Photothermal, Sonodynamic, and Chemotherapeutic Treatments and Dual-Modal Ultrasound/Photoacoustic Imaging of Tumors. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801254.	7.6	74
18	Polypyrrole-coated phase-change liquid perfluorocarbon nanoparticles for the visualized photothermal-chemotherapy of breast cancer. <i>Acta Biomaterialia</i> , 2019, 90, 337-349.	8.3	33

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19	Mitochondria-Targeted and Ultrasound-Activated Nanodroplets for Enhanced Deep-Penetration Sonodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9355-9366.	8.0	139
20	Carotid body enlargement in hypertension and other comorbidities evaluated by ultrasonography. <i>Journal of Hypertension</i> , 2019, 37, 1455-1462.	0.5	8
21	Perfluorooctyl bromide & indocyanine green co-loaded nanoliposomes for enhanced multimodal imaging-guided phototherapy. <i>Biomaterials</i> , 2018, 165, 1-13.	11.4	173
22	Noninvasive, targeted gene therapy for acute spinal cord injury using LIFU-mediated BDNF-loaded cationic nanobubble destruction. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 911-920.	2.1	34
23	2D Ultrathin MXene-Based Drug-Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701394.	7.6	316
24	Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. <i>ACS Nano</i> , 2018, 12, 4545-4555.	14.6	361
25	Lipid Microbubbles as Ultrasound-Stimulated Oxygen Carriers for Controllable Oxygen Release for Tumor Reoxygenation. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 416-425.	1.5	34
26	Nanosonosensitizers for Highly Efficient Sonodynamic Cancer Theranostics. <i>Theranostics</i> , 2018, 8, 6178-6194.	10.0	89
27	Folate-receptor-targeted laser-activable poly(lactide-co-glycolic acid) nanoparticles loaded with paclitaxel/indocyanine green for photoacoustic/ultrasound imaging and chemo/photothermal therapy. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5139-5158.	6.7	42
28	Low-intensity focused ultrasound (LIFU)-activated nanodroplets as a theranostic agent for noninvasive cancer molecular imaging and drug delivery. <i>Biomaterials Science</i> , 2018, 6, 2838-2849.	5.4	50
29	Mitochondria-Targeted Artificial Nano-RBCs for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. <i>Advanced Science</i> , 2018, 5, 1800049.	11.2	138
30	Drug Release from Phase-Changeable Nanodroplets Triggered by Low-Intensity Focused Ultrasound. <i>Theranostics</i> , 2018, 8, 1327-1339.	10.0	138
31	Phase-shift, targeted nanoparticles for ultrasound molecular imaging by low intensity focused ultrasound irradiation. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3907-3920.	6.7	14
32	Laser irradiated fluorescent perfluorocarbon microparticles in 2-D and 3-D breast cancer cell models. <i>Scientific Reports</i> , 2017, 7, 43408.	3.3	12
33	Drug release from core-shell PVA/silk fibroin nanoparticles fabricated by one-step electrospinning. <i>Scientific Reports</i> , 2017, 7, 11913.	3.3	59
34	A Laser-Activated Biocompatible Theranostic Nanoagent for Targeted Multimodal Imaging and Photothermal Therapy. <i>Theranostics</i> , 2017, 7, 4410-4423.	10.0	79
35	Mesoporous composite nanoparticles for dual-modality ultrasound/magnetic resonance imaging and synergistic chemo-/thermotherapy against deep tumors. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7273-7289.	6.7	13
36	Nerve growth factor delivery by ultrasound-mediated nanobubble destruction as a treatment for acute spinal cord injury in rats. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 1717-1729.	6.7	49

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37	Biodegradable polymeric nanoparticles containing gold nanoparticles and Paclitaxel for cancer imaging and drug delivery using photoacoustic methods. <i>Biomedical Optics Express</i> , 2016, 7, 4125.	2.9	33
38	A Multifunctional Theranostic Nanoagent for Dual-Mode Image-Guided HIFU/Chemo- Synergistic Cancer Therapy. <i>Theranostics</i> , 2016, 6, 404-417.	10.0	85
39	Low-intensity focused ultrasound mediated localized drug delivery for liver tumors in rabbits. <i>Drug Delivery</i> , 2016, 23, 2280-2289.	5.7	35
40	Comparison of the synergistic effect of lipid nanobubbles and SonoVue microbubbles for high intensity focused ultrasound thermal ablation of tumors. <i>PeerJ</i> , 2016, 4, e1716.	2.0	17
41	Phase-Shifted PFH@PLGA/Fe ₃ O ₄ Nanocapsules for MRI/US Imaging and Photothermal Therapy with near-Infrared Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14231-14242.	8.0	95
42	Corrigendum to "Superparamagnetic PLGA-iron oxide microcapsules for dual-modality US/MR imaging and high intensity focused US breast cancer ablation" [Biomaterials 33 (2012) 5854-5864]. <i>Biomaterials</i> , 2015, 64, 1.	11.4	5
43	In vitro study of PLGA/PFH particles loaded with gold nanoparticles as theranostic agents for photoacoustic imaging and cancer therapy. , 2014, , .		1
44	Apolipoprotein E polymorphism is associated with lower extremity deep venous thrombosis: color-flow Doppler ultrasound evaluation. <i>Lipids in Health and Disease</i> , 2014, 13, 21.	3.0	28
45	Laser-Activatable PLGA Microparticles for Image-Guided Cancer Therapy In Vivo. <i>Advanced Functional Materials</i> , 2014, 24, 7674-7680.	14.9	59
46	Methotrexate-loaded PLGA nanobubbles for ultrasound imaging and Synergistic Targeted therapy of residual tumor during HIFU ablation. <i>Biomaterials</i> , 2014, 35, 5148-5161.	11.4	116
47	Vaporization, photoacoustic and acoustic characterization of PLGA/PFH particles loaded with optically absorbing materials. , 2013, , .		1
48	Apoptosis induced by photodynamic therapy with benzoporphyrin derivative monoacid ring A and exploration of its potential mechanism in bladder cancer cells. <i>Chinese Journal of Clinical Oncology</i> , 2005, 2, 837-841.	0.0	0