# Zhigang Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2493104/publications.pdf

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|---|---|---|---|
| 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 | Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. ACS Nano, 2018, 12, 4545-4555. | 14.6 | 361 |
| 2 | 2D Ultrathin MXeneâ€Based Drugâ€Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. Advanced Healthcare Materials, 2018, 7, e1701394. | 7.6 | 316 |
| 3 | Perfluorooctyl bromide & indocyanine green co-loaded nanoliposomes for enhanced multimodal imaging-guided phototherapy. Biomaterials, 2018, 165, 1-13. | 11.4 | 173 |
| 4 | Mitochondria-Targeted and Ultrasound-Activated Nanodroplets for Enhanced Deep-Penetration Sonodynamic Cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 9355-9366. | 8.0 | 139 |
| 5 | Mitochondriaâ€Targeted Artificial â€œNanoâ€RBCsâ€• for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. Advanced Science, 2018, 5, 1800049. | 11.2 | 138 |
| 6 | Drug Release from Phase-Changeable Nanodroplets Triggered by Low-Intensity Focused Ultrasound. Theranostics, 2018, 8, 1327-1339. | 10.0 | 138 |
| 7 | Methotrexate-loaded PLGA nanobubbles for ultrasound imaging and Synergistic Targeted therapy of residual tumor during HIFU ablation. Biomaterials, 2014, 35, 5148-5161. | 11.4 | 116 |
| 8 | Phase-Shifted PFH@PLGA/Fe<sub>3</sub>O<sub>4</sub> Nanocapsules for MRI/US Imaging and Photothermal Therapy with near-Infrared Irradiation. ACS Applied Materials & Interfaces, 2015, 7, 14231-14242. | 8.0 | 95 |
| 9 | Nanosonosensitizers for Highly Efficient Sonodynamic Cancer Theranostics. Theranostics, 2018, 8, 6178-6194. | 10.0 | 89 |
| 10 | A Multifunctional Theranostic Nanoagent for Dual-Mode Image-Guided HIFU/Chemo- Synergistic Cancer Therapy. Theranostics, 2016, 6, 404-417. | 10.0 | 85 |
| 11 | A Laser-Activated Biocompatible Theranostic Nanoagent for Targeted Multimodal Imaging and Photothermal Therapy. Theranostics, 2017, 7, 4410-4423. | 10.0 | 79 |
| 12 | Multifunctional Polypyrroleâ€Coated Mesoporous TiO<sub>2</sub> Nanocomposites for Photothermal, Sonodynamic, and Chemotherapeutic Treatments and Dualâ€Modal Ultrasound/Photoacoustic Imaging of Tumors. Advanced Healthcare Materials, 2019, 8, e1801254. | 7.6 | 74 |
| 13 | A novel NIR-controlled NO release of sodium nitroprusside-doped Prussian blue nanoparticle for synergistic tumor treatment. Biomaterials, 2019, 214, 119213. | 11.4 | 66 |
| 14 | Laserâ€Activatible PLGA Microparticles for Imageâ€Guided Cancer Therapy In Vivo. Advanced Functional Materials, 2014, 24, 7674-7680. | 14.9 | 59 |
| 15 | Drug release from core-shell PVA/silk fibroin nanoparticles fabricated by one-step electrospraying. Scientific Reports, 2017, 7, 11913. | 3.3 | 59 |
| 16 | Low-intensity focused ultrasound (LIFU)-activated nanodroplets as a theranostic agent for noninvasive cancer molecular imaging and drug delivery. Biomaterials Science, 2018, 6, 2838-2849. | 5.4 | 50 |
| 17 | Nerve growth factor delivery by ultrasound-mediated nanobubble destruction as a treatment for acute spinal cord injury in rats. International Journal of Nanomedicine, 2017, Volume 12, 1717-1729. | 6.7 | 49 |
| 18 | Folate-receptor-targeted laser-activable poly(lactide-<em>co</em>-glycolic acid) nanoparticles loaded with paclitaxel/indocyanine green for photoacoustic/ultrasound imaging and chemo/photothermal therapy. International Journal of Nanomedicine, 2018, Volume 13, 5139-5158. | 6.7 | 42 |

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|---|---|---|---|
| 19 | Cancer cell membrane-coated nanoparticles for bimodal imaging-guided photothermal therapy and docetaxel-enhanced immunotherapy against cancer. Journal of Nanobiotechnology, 2021, 19, 449. | 9.1 | 41 |
| 20 | Homologous targeting nanoparticles for enhanced PDT against osteosarcoma HOS cells and the related molecular mechanisms. Journal of Nanobiotechnology, 2022, 20, 83. | 9.1 | 36 |
| 21 | Low-intensity focused ultrasound mediated localized drug delivery for liver tumors in rabbits. Drug Delivery, 2016, 23, 2280-2289. | 5.7 | 35 |
| 22 | Noninvasive, targeted gene therapy for acute spinal cord injury using LIFU-mediated BDNF-loaded cationic nanobubble destruction. Biochemical and Biophysical Research Communications, 2018, 496, 911-920. | 2.1 | 34 |
| 23 | Lipid Microbubbles as Ultrasound-Stimulated Oxygen Carriers for Controllable Oxygen Release for Tumor Reoxygenation. Ultrasound in Medicine and Biology, 2018, 44, 416-425. | 1.5 | 34 |
| 24 | <p>IR780-loaded folate-targeted nanoparticles for near-infrared fluorescence image-guided surgery and photothermal therapy in ovarian cancer</p>. International Journal of Nanomedicine, 2019, Volume 14, 2757-2772. | 6.7 | 34 |
| 25 | Biodegradable polymeric nanoparticles containing gold nanoparticles and Paclitaxel for cancer imaging and drug delivery using photoacoustic methods. Biomedical Optics Express, 2016, 7, 4125. | 2.9 | 33 |
| 26 | Polypyrrole-coated phase-change liquid perfluorocarbon nanoparticles for the visualized photothermal-chemotherapy of breast cancer. Acta Biomaterialia, 2019, 90, 337-349. | 8.3 | 33 |
| 27 | A mitochondria-targeted anticancer nanoplatform with deep penetration for enhanced synergistic sonodynamic and starvation therapy. Biomaterials Science, 2020, 8, 4581-4594. | 5.4 | 33 |
| 28 | Dual mitigation of immunosuppression combined with photothermal inhibition for highly effective primary tumor and metastases therapy. Biomaterials, 2021, 274, 120856. | 11.4 | 32 |
| 29 | Apolipoprotein E polymorphism is associated with lower extremity deep venous thrombosis: color-flow Doppler ultrasound evaluation. Lipids in Health and Disease, 2014, 13, 21. | 3.0 | 28 |
| 30 | Perfluorohexane-encapsulated fullerene nanospheres for dual-modality US/CT imaging and synergistic high-intensity focused ultrasound ablation. International Journal of Nanomedicine, 2019, Volume 14, 519-529. | 6.7 | 25 |
| 31 | Mitochondria-targeted nanoplatforms for enhanced photodynamic therapy against hypoxia tumor. Journal of Nanobiotechnology, 2021, 19, 440. | 9.1 | 24 |
| 32 | Twoâ€Dimensional Ultraâ€Thin Nanosheets with Extraordinarily High Drug Loading and Long Blood Circulation for Cancer Therapy. Small, 2022, 18, e2200299. | 10.0 | 24 |
| 33 | Hypoxia modulation by dual-drug nanoparticles for enhanced synergistic sonodynamic and starvation therapy. Journal of Nanobiotechnology, 2021, 19, 87. | 9.1 | 23 |
| 34 | Antithrombotic Therapy by Regulating the ROSâ€Mediated Thrombosis Microenvironment and Specific Nonpharmaceutical Thrombolysis Using Prussian Blue Nanodroplets. Small, 2022, 18, e2106252. | 10.0 | 23 |
| 35 | Comparison of the synergistic effect of lipid nanobubbles and SonoVue microbubbles for high intensity focused ultrasound thermal ablation of tumors. PeerJ, 2016, 4, e1716. | 2.0 | 17 |
| 36 | NIR-responsive nanoplatform for pre/intraoperative image-guided carcinoma surgery and photothermal ablation of residual tumor tissue. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102020. | 3.3 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Phase-shift, targeted nanoparticles for ultrasound molecular imaging by low intensity focused ultrasound irradiation. International Journal of Nanomedicine, 2018, Volume 13, 3907-3920. | 6.7 | 14 |
| 38 | pH-Responsive Nanoparticles for Enhanced Antitumor Activity by High-Intensity Focused Ultrasound Therapy Combined with Sonodynamic Therapy. International Journal of Nanomedicine, 2022, Volume 17, 333-350. | 6.7 | 14 |
| 39 | Mesoporous composite nanoparticles for dual-modality ultrasound/magnetic resonance imaging and synergistic chemo-/thermotherapy against deep tumors. International Journal of Nanomedicine, 2017, Volume 12, 7273-7289. | 6.7 | 13 |
| 40 | Laser irradiated fluorescent perfluorocarbon microparticles in 2-D and 3-D breast cancer cell models. Scientific Reports, 2017, 7, 43408. | 3.3 | 12 |
| 41 | Carotid body enlargement in hypertension and other comorbidities evaluated by ultrasonography. Journal of Hypertension, 2019, 37, 1455-1462. | 0.5 | 8 |
| 42 | Dual-imaging magnetic nanocatalysis based on Fenton-like reaction for tumor therapy. Journal of Materials Chemistry B, 2022, 10, 3462-3473. | 5.8 | 6 |
| 43 | Corrigendum to â€œSuperparamagnetic PLGA-iron oxide microcapsules for dual-modality US/MR imaging and high intensity focused US breast cancer ablationâ€•[Biomaterials 33 (2012) 5854â€“5864]. Biomaterials, 2015, 64, 1. | 11.4 | 5 |
| 44 | Downregulating the P2X3 receptor in the carotid body to reduce blood pressure via acoustic gene delivery in canines. Translational Research, 2021, 227, 30-41. | 5.0 | 5 |
| 45 | Vaporization, photoacoustic and acoustic characterization of PLGA/PFH particles loaded with optically absorbing materials. , 2013, , . | | 1 |
| 46 | In vitro study of PLGA/PFH particles loaded with gold nanoparticles as theranostic agents for photoacoustic imaging and cancer therapy. , 2014, , . | | 1 |
| 47 | Preparation and inï¿½vitro study of stromal cellâ€‘derived factor 1â€‘targeted Fe3O4/poly(lacticâ€‘coâ€‘glycolic) Tj ETQq1 1 0.784314 | 1.8 | 1 |
| 48 | Apoptosis induced by photodynamic therapy with benzoporphyrin derivative monoacid ring A and exploration of its potential mechanism in bladder cancer cells. Chinese Journal of Clinical Oncology, 2005, 2, 837-841. | 0.0 | 0 |