

Changhui Fu

List of Publications by Year in descending order

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68
papers

4,324
citations

109321

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106344

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all docs

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docs citations

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times ranked

6174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Plasmonic Copper Sulfide Nanocrystals Exhibiting Near-Infrared Photothermal and Photodynamic Therapeutic Effects. ACS Nano, 2015, 9, 1788-1800. | 14.6 | 536 |
| 2 | The absorption, distribution, excretion and toxicity of mesoporous silica nanoparticles in mice following different exposure routes. Biomaterials, 2013, 34, 2565-2575. | 11.4 | 329 |
| 3 | Silica Nanorattleâ€“Doxorubicin-Anchored Mesenchymal Stem Cells for Tumor-Tropic Therapy. ACS Nano, 2011, 5, 7462-7470. | 14.6 | 283 |
| 4 | Biocompatible and biodegradable zeolitic imidazolate framework/polydopamine nanocarriers for dual stimulus triggered tumor thermo-chemotherapy. Biomaterials, 2018, 162, 132-143. | 11.4 | 218 |
| 5 | Biodistribution, excretion, and toxicity of mesoporous silica nanoparticles after oral administration depend on their shape. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1915-1924. | 3.3 | 203 |
| 6 | Microwave-Activated Mn-Doped Zirconium Metalâ€“Organic Framework Nanocubes for Highly Effective Combination of Microwave Dynamic and Thermal Therapies Against Cancer. ACS Nano, 2018, 12, 2201-2210. | 14.6 | 176 |
| 7 | Multifunctional iron-based Metalâ€“Organic framework as biodegradable nanozyme for microwave enhancing dynamic therapy. Biomaterials, 2019, 214, 119223. | 11.4 | 125 |
| 8 | Multifunctional Carbonâ€“Silica Nanocapsules with Gold Core for Synergistic Photothermal and Chemoâ€“Cancer Therapy under the Guidance of Bimodal Imaging. Advanced Functional Materials, 2016, 26, 4252-4261. | 14.9 | 113 |
| 9 | Dual-Functional Supernanoparticles with Microwave Dynamic Therapy and Microwave Thermal Therapy. Nano Letters, 2019, 19, 5277-5286. | 9.1 | 107 |
| 10 | Pathological mechanisms of liver injury caused by continuous intraperitoneal injection of silica nanoparticles. Biomaterials, 2012, 33, 2399-2407. | 11.4 | 105 |
| 11 | Layered MoS ₂ Hollow Spheres for Highlyâ€“Efficient Photothermal Therapy of Rabbit Liver Orthotopic Transplantation Tumors. Small, 2016, 12, 2046-2055. | 10.0 | 101 |
| 12 | Microenvironment-Driven Bioelimination of Magnetoplasmonic Nanoassemblies and Their Multimodal Imaging-Guided Tumor Photothermal Therapy. ACS Nano, 2016, 10, 7094-7105. | 14.6 | 97 |
| 13 | Oxygen Production of Modified Coreâ€“Shell CuO@ZrO ₂ Nanocomposites by Microwave Radiation to Alleviate Cancer Hypoxia for Enhanced Chemo-Microwave Thermal Therapy. ACS Nano, 2018, 12, 12721-12732. | 14.6 | 92 |
| 14 | Effects of graphene oxide on the development of offspring mice in lactation period. Biomaterials, 2015, 40, 23-31. | 11.4 | 90 |
| 15 | Multifunctional Fe ₃ O ₄ @P(St/MAA)@Chitosan@Au Core/Shell Nanoparticles for Dual Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2013, 5, 4966-4971. | 8.0 | 87 |
| 16 | High Biocompatible ZIF-8 Coated by ZrO ₂ for Chemo-microwave Thermal Tumor Synergistic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 10520-10531. | 8.0 | 83 |
| 17 | A smart all-in-one theranostic platform for CT imaging guided tumor microwave thermotherapy based on IL@ZrO ₂ nanoparticles. Chemical Science, 2015, 6, 5016-5026. | 7.4 | 75 |
| 18 | Insights into a microwave susceptible agent for minimally invasive microwave tumor thermal therapy. Biomaterials, 2015, 44, 91-102. | 11.4 | 74 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Biocompatible Hollow Polydopamine Nanoparticles Loaded Ionic Liquid Enhanced Tumor Microwave Thermal Ablation in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 11237-11245. | 8.0 | 71 |
| 20 | Microwave Responsive Nanoplatform via P-Selectin Mediated Drug Delivery for Treatment of Hepatocellular Carcinoma with Distant Metastasis. Nano Letters, 2019, 19, 2914-2927. | 9.1 | 66 |
| 21 | Layered MoS ₂ nanoflowers for microwave thermal therapy. Journal of Materials Chemistry B, 2016, 4, 2133-2141. | 5.8 | 55 |
| 22 | Advanced nanotechnology for hypoxia-associated antitumor therapy. Nanoscale, 2020, 12, 2855-2874. | 5.6 | 54 |
| 23 | Mitochondria-targeted zirconium metal-organic frameworks for enhancing the efficacy of microwave thermal therapy against tumors. Biomaterials Science, 2018, 6, 1535-1545. | 5.4 | 52 |
| 24 | Fluorescence switching method for cascade detection of salicylaldehyde and zinc(II) ion using protein protected gold nanoclusters. Biosensors and Bioelectronics, 2015, 74, 322-328. | 10.1 | 44 |
| 25 | Nanoengineering of nanorattles for tumor treatment by CT imaging-guided simultaneous enhanced microwave thermal therapy and managing inflammation. Biomaterials, 2018, 179, 122-133. | 11.4 | 43 |
| 26 | A tumor treatment strategy based on biodegradable BSA@ZIF-8 for simultaneously ablating tumors and inhibiting infection. Nanoscale Horizons, 2018, 3, 606-615. | 8.0 | 43 |
| 27 | MOF-derived nano-popcorns synthesized by sonochemistry as efficient sensitizers for tumor microwave thermal therapy. Biomaterials, 2020, 234, 119773. | 11.4 | 43 |
| 28 | Renal-clearable quaternary chalcogenide nanocrystal for photoacoustic/magnetic resonance imaging guided tumor photothermal therapy. Biomaterials, 2018, 159, 108-118. | 11.4 | 42 |
| 29 | MOF@COF nanocapsule for the enhanced microwave thermal-dynamic therapy and anti-angiogenesis of colorectal cancer. Biomaterials, 2022, 283, 121472. | 11.4 | 42 |
| 30 | Encapsulating Ionic Liquid and Fe ₃ O ₄ Nanoparticles in Gelatin Microcapsules as Microwave Susceptible Agent for MR Imaging-guided Tumor Thermotherapy. ACS Applied Materials & Interfaces, 2015, 7, 13612-13619. | 8.0 | 41 |
| 31 | Gelatin microcapsules for enhanced microwave tumor hyperthermia. Nanoscale, 2015, 7, 3147-3154. | 5.6 | 41 |
| 32 | Doxorubicin-loaded ionic liquid-polydopamine nanoparticles for combined chemotherapy and microwave thermal therapy of cancer. RSC Advances, 2016, 6, 32434-32440. | 3.6 | 41 |
| 33 | Interlayer expansion of 2D MoS ₂ nanosheets for highly improved photothermal therapy of tumors <i>in vitro</i> and <i>in vivo</i> . Chemical Communications, 2018, 54, 13989-13992. | 4.1 | 41 |
| 34 | Mitochondria-targeting nanoparticles for enhanced microwave ablation of cancer. Nanoscale, 2018, 10, 15677-15685. | 5.6 | 37 |
| 35 | Silica nanorattle with enhanced protein loading: A potential vaccine adjuvant. Journal of Colloid and Interface Science, 2013, 400, 168-174. | 9.4 | 36 |
| 36 | Impact of PEGylation on the biological effects and light heat conversion efficiency of gold nanoshells on silica nanorattles. Biomaterials, 2013, 34, 6967-6975. | 11.4 | 35 |

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|----|--|------|-----------|
| 37 | Ball-in-ball ZrO ₂ nanostructure for simultaneous CT imaging and highly efficient synergic microwave ablation and tri-stimuli-responsive chemotherapy of tumors. <i>Nanoscale</i> , 2017, 9, 8834-8847. | 5.6 | 33 |
| 38 | Hollow ZrO ₂ /PPy nanoplatform for improved drug delivery and real-time CT monitoring in synergistic photothermal-chemo cancer therapy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 859-866. | 5.8 | 32 |
| 39 | MoS ₂ nanosheets encapsulated in sodium alginate microcapsules as microwave embolization agents for large orthotopic transplantation tumor therapy. <i>Nanoscale</i> , 2017, 9, 14846-14853. | 5.6 | 32 |
| 40 | Tumor reoxygenation for enhanced combination of radiation therapy and microwave thermal therapy using oxygen generation in situ by CuO nanosuperparticles under microwave irradiation. <i>Theranostics</i> , 2020, 10, 4659-4675. | 10.0 | 32 |
| 41 | Imaging-guided synergetic therapy of orthotopic transplantation tumor by superselectively arterial administration of microwave-induced microcapsules. <i>Biomaterials</i> , 2017, 133, 144-153. | 11.4 | 30 |
| 42 | Toxicity, biodistribution and oxidative damage caused by zirconia nanoparticles after intravenous injection. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 5175-5186. | 6.7 | 30 |
| 43 | Emerging biocompatible nanoplatforms for the potential application in diagnosis and therapy of deep tumors. <i>View</i> , 2022, 3, 20200174. | 5.3 | 30 |
| 44 | Therapeutic efficacy of novel microwave-sensitized mPEG-PLGA@ZrO ₂ @(DOX + ILS) drug-loaded microspheres in rabbit VX ₂ liver tumours. <i>Nanoscale</i> , 2017, 9, 3429-3439. | 5.6 | 28 |
| 45 | LHRH-PE40 Fusion Protein Tethered Silica Nanorattles for Imaging-Guided Tumor-Specific Drug Delivery and Bimodal Therapy. <i>Advanced Materials</i> , 2013, 25, 5508-5513. | 21.0 | 26 |
| 46 | Toxicity and bio-distribution of carbon dots after single inhalation exposure in vivo. <i>Chinese Chemical Letters</i> , 2018, 29, 895-898. | 9.0 | 26 |
| 47 | Highly stable microwave susceptible agents via encapsulation of Ti-mineral superfine powders in urea-formaldehyde resin microcapsules for tumor hyperthermia therapy. <i>Nanoscale</i> , 2016, 8, 11044-11051. | 5.6 | 24 |
| 48 | MnMOF-based microwave-glutathione dual-responsive nano-missile for enhanced microwave Thermo-dynamic chemotherapy of drug-resistant tumors. <i>Chemical Engineering Journal</i> , 2022, 439, 135582. | 12.7 | 24 |
| 49 | Rapid and simultaneous detection of heart-type fatty acid binding protein and cardiac troponin using a lateral flow assay based on metal organic framework@CdTe nanoparticles. <i>Nanoscale</i> , 2021, 13, 7844-7850. | 5.6 | 23 |
| 50 | Nanoengineered biomimetic Cu-based nanoparticles for multifunctional and efficient tumor treatment. <i>Biomaterials</i> , 2021, 276, 121016. | 11.4 | 20 |
| 51 | Enhanced Photothermal-Photodynamic Therapy by Indocyanine Green and Curcumin-Loaded Layered MoS ₂ Hollow Spheres via Inhibition of P-Glycoprotein. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 433-442. | 6.7 | 20 |
| 52 | Facile synthesis of a highly luminescent carbon dot@silica nanorattle for in vivo bioimaging. <i>RSC Advances</i> , 2015, 5, 46158-46162. | 3.6 | 18 |
| 53 | Lanthanide europium MOF nanocomposite as the theranostic nanoplatform for microwave thermo-chemotherapy and fluorescence imaging. <i>Journal of Nanobiotechnology</i> , 2022, 20, 133. | 9.1 | 18 |
| 54 | In Vivo Magnetic Resonance Imaging and Microwave Thermo-therapy of Cancer Using Novel Chitosan Microcapsules. <i>Nanoscale Research Letters</i> , 2016, 11, 334. | 5.7 | 17 |

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|----|--|------|-----------|
| 55 | Cysteine decorated nanoscale metal-organic frameworks delivering valproic acid/cisplatin for drug-resistant lung cancer therapy. <i>Chemical Communications</i> , 2020, 56, 3919-3922. | 4.1 | 17 |
| 56 | Acute toxicity and oxidative damage induced by silica nanorattle in vivo. <i>Science Bulletin</i> , 2012, 57, 2525-2532. | 1.7 | 16 |
| 57 | Zirconium metal-organic framework nanocrystal as microwave sensitizer for enhancement of tumor therapy. <i>Chinese Chemical Letters</i> , 2019, 30, 481-484. | 9.0 | 16 |
| 58 | Ultrafast chemical aerosol flow synthesis of biocompatible fluorescent carbon dots for bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6978-6983. | 5.8 | 15 |
| 59 | Nanozymes-engineered metal-organic frameworks for enhanced microwave thermodynamic therapy in PDX of hepatic carcinoma. <i>Chemical Engineering Journal</i> , 2022, 450, 138092. | 12.7 | 15 |
| 60 | High-yield preparation of robust gold nanoshells on silica nanorattles with good biocompatibility. <i>Science Bulletin</i> , 2016, 61, 282-291. | 9.0 | 12 |
| 61 | A core-shell liquid metal-Cu nanoparticle with glutathione consumption via in situ replacement strategy for tumor combination treatment of chemodynamic, microwave dynamic and microwave thermal therapy. <i>Biomaterials Science</i> , 2022, 10, 3503-3513. | 5.4 | 12 |
| 62 | Nanoscale metal organic frameworks inhibition of pyruvate kinase of M2. <i>Chinese Chemical Letters</i> , 2021, 32, 3087-3089. | 9.0 | 9 |
| 63 | Synthesis of MoS ₂ nanoflowers on CdS nanorods with a simple route and their application in removal of dyes. <i>Journal of Nanoparticle Research</i> , 2022, 24, 1. | 1.9 | 7 |
| 64 | Regulating glucose metabolism using nanomedicines for cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5749-5764. | 5.8 | 6 |
| 65 | Fluorescent hollow ZrO ₂ @CdTe nanoparticles-based lateral flow assay for simultaneous detection of C-reactive protein and troponin T. <i>Mikrochimica Acta</i> , 2021, 188, 209. | 5.0 | 6 |
| 66 | Porous PLGA microspheres with recruited ions and doxorubicin for triple-combination therapy of larger hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9025-9032. | 5.8 | 5 |
| 67 | Cancer Therapy: Multifunctional Carbon-Silica Nanocapsules with Gold Core for Synergistic Photothermal and Chemo-Cancer Therapy under the Guidance of Bimodal Imaging (<i>Adv. Funct. Mater.</i>) Tj ETQq1 1 047843143gBT /Ov | | |
| 68 | Evaluation of Apigenin Inhibiting Lactate Dehydrogenase Activity Based on CdTe Quantum Dots Fluorescence. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1806-1811. | 1.1 | 1 |