Changhui Fu

List of Publications by Year
in descending order

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68 papers	4,324 citations	109321 35 h-index	106344 65 g-index
68 all docs	68 docs citations	68 times ranked	6174 citing authors

#	Article	IF	Citations
1	Emerging biocompatible nanoplatforms for the potential application in diagnosis and therapy of deep tumors. View, 2022, 3, 20200174.	5.3	30
2	Synthesis of MoS2 nanoflowers on CdS nanorods with a simple route and their application in removal of dyes. Journal of Nanoparticle Research, 2022, 24, 1.	1.9	7
3	Lanthanide europium MOF nanocomposite as the theranostic nanoplatform for microwave thermo-chemotherapy and fluorescence imaging. Journal of Nanobiotechnology, 2022, 20, 133.	9.1	18
4	MOF@COF nanocapsule for the enhanced microwave thermal-dynamic therapy and anti-angiogenesis of colorectal cancer. Biomaterials, 2022, 283, 121472.	11.4	42
5	MnMOF-based microwave-glutathione dual-responsive nano-missile for enhanced microwave Thermo-dynamic chemotherapy of drug-resistant tumors. Chemical Engineering Journal, 2022, 439, 135582.	12.7	24
6	A coreâ€“shell liquid metal-Cu nanoparticle with glutathione consumptionviaanin situreplacement strategy for tumor combination treatment of chemodynamic, microwave dynamic and microwave thermal therapy. Biomaterials Science, 2022, 10, 3503-3513.	5.4	12
7	Nanozymes-engineered metalâ€“organic frameworks for enhanced microwave thermodynamic therapy in PDX of hepatic carcinoma. Chemical Engineering Journal, 2022, 450, 138092.	12.7	15
8	Regulating glucose metabolism using nanomedicines for cancer therapy. Journal of Materials Chemistry B, 2021, 9, 5749-5764.	5.8	6
9	Nanoscale metal organic frameworks inhibition of pyruvate kinase of M2. Chinese Chemical Letters, 2021, 32, 3087-3089.	9.0	9
10	Fluorescent hollow ZrO2@CdTe nanoparticles-based lateral flow assay for simultaneous detection of C-reactive protein and troponin T. Mikrochimica Acta, 2021, 188, 209.	5.0	6
11	Nanoengineered biomimetic Cu-based nanoparticles for multifunational and efficient tumor treatment. Biomaterials, 2021, 276, 121016.	11.4	20
12	Enhanced Photothermal-Photodynamic Therapy by Indocyanine Green and Curcumin-Loaded Layered MoS2 Hollow Spheres via Inhibition of P-Glycoprotein. International Journal of Nanomedicine, 2021, Volume 16, 433-442.	6.7	20
13	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. Nanoscale, 2021, 13, 7844-7850.	5.6	23
14	Evaluation of Apigenin Inhibiting Lactate Dehydrogenase Activity Based on CdTe Quantum Dots Fluorescence. Journal of Biomedical Nanotechnology, 2021, 17, 1806-1811.	1.1	1
15	MOF-derived nano-popcorns synthesized by sonochemistry as efficient sensitizers for tumor microwave thermal therapy. Biomaterials, 2020, 234, 119773.	11.4	43
16	Advanced nanotechnology for hypoxia-associated antitumor therapy. Nanoscale, 2020, 12, 2855-2874.	5.6	54
17	<scp>l</scp>-Cysteine decorated nanoscale metalâ€“organic frameworks delivering valproic acid/cisplatin for drug-resistant lung cancer therapy. Chemical Communications, 2020, 56, 3919-3922.	4.1	17
18	Tumor reoxygenation for enhanced combination of radiation therapy and microwave thermal therapy using oxygen generation in situ by CuO nanosuperparticles under microwave irradiation. Theranostics, 2020, 10, 4659-4675.	10.0	32

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19	Zirconium metal-organic framework nanocrystal as microwave sensitizer for enhancement of tumor therapy. Chinese Chemical Letters, 2019, 30, 481-484.	9.0	16
20	Dual-Functional Supernanoparticles with Microwave Dynamic Therapy and Microwave Thermal Therapy. Nano Letters, 2019, 19, 5277-5286.	9.1	107
21	Toxicity, biodistribution and oxidative damage caused by zirconia nanoparticles after intravenous injection . International Journal of Nanomedicine, 2019, Volume 14, 5175-5186.	6.7	30
22	Multifunctional iron-based Metalâ^'Organic framework as biodegradable nanozyme for microwave enhancing dynamic therapy. Biomaterials, 2019, 214, 119223.	11.4	125
23	High Biocompatible ZIF-8 Coated by ZrO₂ for Chemo-microwave Thermal Tumor Synergistic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 10520-10531.	8.0	83
24	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
25	Mitochondria-targeted zirconium metalâ€“organic frameworks for enhancing the efficacy of microwave thermal therapy against tumors. Biomaterials Science, 2018, 6, 1535-1545.	5.4	52
26	Biocompatible and biodegradable zeolitic imidazolate framework/polydopamine nanocarriers for dual stimulus triggered tumor thermo-chemotherapy. Biomaterials, 2018, 162, 132-143.	11.4	218
27	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
28	Renal-clearable quaternary chalcogenide nanocrystal for photoacoustic/magnetic resonance imaging guided tumor photothermal therapy. Biomaterials, 2018, 159, 108-118.	11.4	42
29	Interlayer expansion of 2D MoS₂ nanosheets for highly improved photothermal therapy of tumors in vitro and in vivo. Chemical Communications, 2018, 54, 13989-13992.	4.1	41
30	Oxygen Production of Modified Coreâ€“Shell CuO@ZrO₂ Nanocomposites by Microwave Radiation to Alleviate Cancer Hypoxia for Enhanced Chemo-Microwave Thermal Therapy. ACS Nano, 2018, 12, 12721-12732.	14.6	92
31	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
32	Mitochondria-targeting nanoparticles for enhanced microwave ablation of cancer. Nanoscale, 2018, 10, 15677-15685.	5.6	37
33	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
34	Toxicity and bio-distribution of carbon dots after single inhalation exposure in vivo. Chinese Chemical Letters, 2018, 29, 895-898.	9.0	26
35	Therapeutic efficacy of novel microwave-sensitized mPEG-PLGA@ZrO₂@(DOX + ILS) drug-loaded microspheres in rabbit VX₂liver tumours. Nanoscale, 2017, 9, 3429-3439.	5.6	28
36	Imaging-guided synergetic therapy of orthotopic transplantation tumor by superselectively arterial administration of microwave-induced microcapsules. Biomaterials, 2017, 133, 144-153.	11.4	30

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37	MoS₂ nanosheets encapsulated in sodium alginate microcapsules as microwave embolization agents for large orthotopic transplantation tumor therapy. Nanoscale, 2017, 9, 14846-14853.	5.6	32
38	Porous PLGA microspheres with recruited ions and doxorubicin for triple-combination therapy of larger hepatocellular carcinoma. Journal of Materials Chemistry B, 2017, 5, 9025-9032.	5.8	5
39	Ball-in-ball ZrO₂ nanostructure for simultaneous CT imaging and highly efficient synergic microwave ablation and tri-stimuli-responsive chemotherapy of tumors. Nanoscale, 2017, 9, 8834-8847.	5.6	33
40	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
41	Cancer Therapy: Multifunctional Carbon-Silica Nanocapsules with Gold Core for Synergistic Photothermal and Chemo-Cancer Therapy under the Guidance of Bimodal Imaging (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT /Over	14.9	3
42	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
43	Highly stable microwave susceptible agents via encapsulation of Ti-mineral superfine powders in urea-formaldehyde resin microcapsules for tumor hyperthermia therapy. Nanoscale, 2016, 8, 11044-11051.	5.6	24
44	In Vivo Magnetic Resonance Imaging and Microwave Thermotherapy of Cancer Using Novel Chitosan Microcapsules. Nanoscale Research Letters, 2016, 11, 334.	5.7	17
45	Layered MoS₂ Hollow Spheres for Highlyâ€Efficient Photothermal Therapy of Rabbit Liver Orthotopic Transplantation Tumors. Small, 2016, 12, 2046-2055.	10.0	101
46	Microenvironment-Driven Bioelimination of Magnetoplasmonic Nanoassemblies and Their Multimodal Imaging-Guided Tumor Photothermal Therapy. ACS Nano, 2016, 10, 7094-7105.	14.6	97
47	Doxorubicin-loaded ionic liquidâ€“polydopamine nanoparticles for combined chemotherapy and microwave thermal therapy of cancer. RSC Advances, 2016, 6, 32434-32440.	3.6	41
48	High-yield preparation of robust gold nanoshells on silica nanorattles with good biocompatiblity. Science Bulletin, 2016, 61, 282-291.	9.0	12
49	Layered MoS₂ nanoflowers for microwave thermal therapy. Journal of Materials Chemistry B, 2016, 4, 2133-2141.	5.8	55
50	Hollow ZrO₂/PPy nanoplatform for improved drug delivery and real-time CT monitoring in synergistic photothermal-chemo cancer therapy. Journal of Materials Chemistry B, 2016, 4, 859-866.	5.8	32
51	Encapsulating Ionic Liquid and Fe₃O₄ 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
52	Gelatin microcapsules for enhanced microwave tumor hyperthermia. Nanoscale, 2015, 7, 3147-3154.	5.6	41
53	Plasmonic Copper Sulfide Nanocrystals Exhibiting Near-Infrared Photothermal and Photodynamic Therapeutic Effects. ACS Nano, 2015, 9, 1788-1800.	14.6	536
54	Insights into a microwave susceptible agent for minimally invasive microwave tumor thermal therapy. Biomaterials, 2015, 44, 91-102.	11.4	74

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55	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
56	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
57	A smart all-in-one theranostic platform for CT imaging guided tumor microwave thermotherapy based on IL@ZrO₂nanoparticles. Chemical Science, 2015, 6, 5016-5026.	7.4	75
58	Facile synthesis of a highly luminescent carbon dot@silica nanorattle for in vivo bioimaging. RSC Advances, 2015, 5, 46158-46162.	3.6	18
59	Effects of graphene oxide on the development of offspring mice in lactation period. Biomaterials, 2015, 40, 23-31.	11.4	90
60	Ultrafast chemical aerosol flow synthesis of biocompatible fluorescent carbon dots for bioimaging. Journal of Materials Chemistry B, 2014, 2, 6978-6983.	5.8	15
61	LHRHâ€PE40 Fusion Protein Tethered Silica Nanorattles for Imagingâ€Guided Tumorâ€Specific Drug Delivery and Bimodal Therapy. Advanced Materials, 2013, 25, 5508-5513.	21.0	26
62	Silica nanorattle with enhanced protein loading: A potential vaccine adjuvant. Journal of Colloid and Interface Science, 2013, 400, 168-174.	9.4	36
63	Multifunctional Fe₃O₄@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
64	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
65	The absorption, distribution, excretion and toxicity of mesoporous silica nanoparticles in mice following different exposure routes. Biomaterials, 2013, 34, 2565-2575.	11.4	329
66	Acute toxicity and oxidative damage induced by silica nanorattle in vivo. Science Bulletin, 2012, 57, 2525-2532.	1.7	16
67	Pathological mechanisms of liver injury caused by continuous intraperitoneal injection of silica nanoparticles. Biomaterials, 2012, 33, 2399-2407.	11.4	105
68	Silica Nanorattleâ€“Doxorubicin-Anchored Mesenchymal Stem Cells for Tumor-Tropic Therapy. ACS Nano, 2011, 5, 7462-7470.	14.6	283