

# Liangzhu Feng

## List of Publications by Year in descending order

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104  
papers

21,208  
citations

21215

62  
h-index

32181

105  
g-index

110  
all docs

110  
docs citations

110  
times ranked

23700  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination Polymer-Coated CaCO <sub>3</sub> Reinforces Radiotherapy by Reprogramming the Immunosuppressive Metabolic Microenvironment. <i>Advanced Materials</i> , 2022, 34, e2106520.	11.1	54
2	Perfluorocarbon loaded fluorinated covalent organic polymers with effective sonosensitization and tumor hypoxia relief enable synergistic sonodynamic-immunotherapy. <i>Biomaterials</i> , 2022, 280, 121250.	5.7	57
3	Lipid-Coated CaCO <sub>3</sub> Nanoparticles as a Versatile pH-Responsive Drug Delivery Platform to Enable Combined Chemotherapy of Breast Cancer. <i>ACS Applied Bio Materials</i> , 2022, 5, 1194-1201.	2.3	13
4	Percutaneous implantation of ethanol fueled catalytic hydrogel suppresses tumor growth by triggering ferroptosis. <i>Materials Today</i> , 2022, 55, 7-20.	8.3	12
5	Immunogenic nanomedicine based on GSH-responsive nanoscale covalent organic polymers for chemo-sonodynamic therapy. <i>Biomaterials</i> , 2022, 283, 121428.	5.7	25
6	pH-responsive nanomedicine co-encapsulated with Erlotinib and chlorin e6 can enable effective treatment of triple negative breast cancer via reprogramming tumor vasculature. <i>Chemical Engineering Journal</i> , 2022, 437, 135305.	6.6	11
7	Lipid-coated CaCO <sub>3</sub> -PDA nanoparticles as a versatile nanocarrier to enable pH-responsive dual modal imaging-guided combination cancer therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4096-4104.	2.9	4
8	Ferrous ions doped calcium carbonate nanoparticles potentiate chemotherapy by inducing ferroptosis. <i>Journal of Controlled Release</i> , 2022, 348, 346-356.	4.8	31
9	Construction of Enzyme Nanoreactors to Enable Tumor Microenvironment Modulation and Enhanced Cancer Treatment. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001167.	3.9	23
10	CaCO <sub>3</sub> -Assisted Preparation of pH-Responsive Immune-Modulating Nanoparticles for Augmented Chemo-Immunotherapy. <i>Nano-Micro Letters</i> , 2021, 13, 29.	14.4	46
11	MSCs-engineered biomimetic PMAA nanomedicines for multiple bioimaging-guided and photothermal-enhanced radiotherapy of NSCLC. <i>Journal of Nanobiotechnology</i> , 2021, 19, 80.	4.2	17
12	CaCO <sub>3</sub> -Encapsulated Microspheres for Enhanced Transhepatic Arterial Embolization Treatment of Hepatocellular Carcinoma. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100748.	3.9	15
13	Photodynamic creation of artificial tumor microenvironments to collectively facilitate hypoxia-activated chemotherapy delivered by coagulation-targeting liposomes. <i>Chemical Engineering Journal</i> , 2021, 414, 128731.	6.6	18
14	Phenolic molecules constructed nanomedicine for innovative cancer treatment. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213912.	9.5	15
15	Tumor-killing nanoreactors fueled by tumor debris can enhance radiofrequency ablation therapy and boost antitumor immune responses. <i>Nature Communications</i> , 2021, 12, 4299.	5.8	72
16	Near-infrared light and glucose dual-responsive cascading hydroxyl radical generation for in situ gelation and effective breast cancer treatment. <i>Biomaterials</i> , 2020, 228, 119568.	5.7	121
17	Red-blood-cell-membrane-enveloped magnetic nanoclusters as a biomimetic theranostic nanopatform for bimodal imaging-guided cancer photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 803-812.	2.9	35
18	Reactive Oxygen Species-Scavenging Scaffold with Rapamycin for Treatment of Intervertebral Disk Degeneration. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901186.	3.9	33

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19	Surfactant-stripped J-aggregates of azaBODIPY derivatives: All-in-one phototheranostics in the second near infrared window. <i>Journal of Controlled Release</i> , 2020, 326, 256-264.	4.8	26
20	Metal-polyphenol-network coated CaCO <sub>3</sub> as pH-responsive nanocarriers to enable effective intratumoral penetration and reversal of multidrug resistance for augmented cancer treatments. <i>Nano Research</i> , 2020, 13, 3057-3067.	5.8	40
21	Oxaliplatin-/NLC919 prodrugs-constructed liposomes for effective chemo-immunotherapy of colorectal cancer. <i>Biomaterials</i> , 2020, 255, 120190.	5.7	75
22	Perfluorocarbon nanodroplets stabilized with cisplatin-prodrug-constructed lipids enable efficient tumor oxygenation and chemo-radiotherapy of cancer. <i>Nanoscale</i> , 2020, 12, 14764-14774.	2.8	25
23	Synthesis of CaCO <sub>3</sub> -Based Nanomedicine for Enhanced Sonodynamic Therapy via Amplification of Tumor Oxidative Stress. <i>Chem</i> , 2020, 6, 1391-1407.	5.8	199
24	Molecular domino reactor built by automated modular synthesis for cancer treatment. <i>Theranostics</i> , 2020, 10, 4030-4041.	4.6	14
25	Protein-drug conjugate programmed by pH-reversible linker for tumor hypoxia relief and enhanced cancer combination therapy. <i>International Journal of Pharmaceutics</i> , 2020, 582, 119321.	2.6	26
26	Fabrication of H <sub>2</sub> O <sub>2</sub> -driven nanoreactors for innovative cancer treatments. <i>Nanoscale</i> , 2019, 11, 16164-16186.	2.8	46
27	Hybrid Protein NanoReactors Enable Simultaneous Increments of Tumor Oxygenation and Iodine-131 Delivery for Enhanced Radionuclide Therapy. <i>Small</i> , 2019, 15, e1903628.	5.2	32
28	Ultrasound-Responsive Conversion of Microbubbles to Nanoparticles to Enable Background-Free in Vivo Photoacoustic Imaging. <i>Nano Letters</i> , 2019, 19, 8109-8117.	4.5	47
29	Nanoparticle-mediated internal radioisotope therapy to locally increase the tumor vasculature permeability for synergistically improved cancer therapies. <i>Biomaterials</i> , 2019, 197, 368-379.	5.7	58
30	A Hypoxia-Responsive Albumin-Based Nanosystem for Deep Tumor Penetration and Excellent Therapeutic Efficacy. <i>Advanced Materials</i> , 2019, 31, e1901513.	11.1	263
31	Intratumoral delivery of M-CSF by calcium crosslinked polymer micelles enhances cancer immunotherapy. <i>Biomaterials Science</i> , 2019, 7, 2769-2776.	2.6	26
32	Ultrasmall Oxygen-Deficient Bimetallic Oxide MnWO <sub>4</sub> Nanoparticles for Depletion of Endogenous GSH and Enhanced Sonodynamic Cancer Therapy. <i>Advanced Materials</i> , 2019, 31, e1900730.	11.1	387
33	Platinum Nanoparticles to Enable Electrodynamical Therapy for Effective Cancer Treatment. <i>Advanced Materials</i> , 2019, 31, e1806803.	11.1	130
34	Amplification of Tumor Oxidative Stresses with Liposomal Fenton Catalyst and Glutathione Inhibitor for Enhanced Cancer Chemotherapy and Radiotherapy. <i>Nano Letters</i> , 2019, 19, 805-815.	4.5	360
35	Core-shell TaOx@MnO <sub>2</sub> nanoparticles as a nano-radiosensitizer for effective cancer radiotherapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2250-2257.	2.9	45
36	Glucose & oxygen exhausting liposomes for combined cancer starvation and hypoxia-activated therapy. <i>Biomaterials</i> , 2018, 162, 123-131.	5.7	196

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37	Synthesis of Hollow Biomineralized CaCO <sub>3</sub> "Polydopamine Nanoparticles for Multimodal Imaging-Guided Cancer Photodynamic Therapy with Reduced Skin Photosensitivity. <i>Journal of the American Chemical Society</i> , 2018, 140, 2165-2178.	6.6	396
38	Smart Nanoreactors for pH-Responsive Tumor Homing, Mitochondria-Targeting, and Enhanced Photodynamic-Immunotherapy of Cancer. <i>Nano Letters</i> , 2018, 18, 2475-2484.	4.5	348
39	The acidic tumor microenvironment: a target for smart cancer nano-theranostics. <i>National Science Review</i> , 2018, 5, 269-286.	4.6	250
40	Nanoscale covalent organic polymers as a biodegradable nanomedicine for chemotherapy-enhanced photodynamic therapy of cancer. <i>Nano Research</i> , 2018, 11, 3244-3257.	5.8	74
41	Functionalized graphene oxide triggers cell cycle checkpoint control through both the ATM and the ATR signaling pathways. <i>Carbon</i> , 2018, 129, 495-503.	5.4	15
42	One-pot synthesis of pH-responsive charge-switchable PEGylated nanoscale coordination polymers for improved cancer therapy. <i>Biomaterials</i> , 2018, 156, 121-133.	5.7	73
43	Semiconducting polymer-based nanoparticles with strong absorbance in NIR-II window for in vivo photothermal therapy and photoacoustic imaging. <i>Biomaterials</i> , 2018, 155, 103-111.	5.7	180
44	Surfactant-Stripped Micelles of Near Infrared Dye and Paclitaxel for Photoacoustic Imaging Guided Photothermal-Chemotherapy. <i>Small</i> , 2018, 14, e1802991.	5.2	47
45	G-Quadruplex-Based Nanoscale Coordination Polymers to Modulate Tumor Hypoxia and Achieve Nuclear-Targeted Drug Delivery for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , 2018, 18, 6867-6875.	4.5	187
46	Covalent Organic Polymers Based on Fluorinated Porphyrin as Oxygen Nanoshuttles for Tumor Hypoxia Relief and Enhanced Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1804901.	7.8	156
47	Seeded Growth of Cu <sub>2</sub> Se Nanocrystals and Their Size-Dependent Phototherapeutic Effect. <i>ACS Applied Nano Materials</i> , 2018, 1, 3303-3311.	2.4	19
48	Iridium nanocrystals encapsulated liposomes as near-infrared light controllable nanozymes for enhanced cancer radiotherapy. <i>Biomaterials</i> , 2018, 181, 81-91.	5.7	131
49	Nanomedicine for tumor microenvironment modulation and cancer treatment enhancement. <i>Nano Today</i> , 2018, 21, 55-73.	6.2	259
50	Combined local immunostimulatory radioisotope therapy and systemic immune checkpoint blockade imparts potent antitumour responses. <i>Nature Biomedical Engineering</i> , 2018, 2, 611-621.	11.6	374
51	Platinum nanoworms for imaging-guided combined cancer therapy in the second near-infrared window. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5069-5079.	2.9	39
52	Photosensitizer Decorated Red Blood Cells as an Ultrasensitive Light-Responsive Drug Delivery System. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5855-5863.	4.0	53
53	H <sub>2</sub> O <sub>2</sub> -responsive liposomal nanoprobe for photoacoustic inflammation imaging and tumor theranostics via in vivo chromogenic assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5343-5348.	3.3	445
54	Catalase-loaded cisplatin-prodrug-constructed liposomes to overcome tumor hypoxia for enhanced chemo-radiotherapy of cancer. <i>Biomaterials</i> , 2017, 138, 13-21.	5.7	214

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55	Iodine-131-labeled, transferrin-capped polypyrrole nanoparticles for tumor-targeted synergistic photothermal-radioisotope therapy. <i>Biomaterials Science</i> , 2017, 5, 1828-1835.	2.6	48
56	Theranostic Liposomes with Hypoxia-Activated Prodrug to Effectively Destruct Hypoxic Tumors Post-Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 927-937.	7.3	358
57	Comparison of nanomedicine-based chemotherapy, photodynamic therapy and photothermal therapy using reduced graphene oxide for the model system. <i>Biomaterials Science</i> , 2017, 5, 331-340.	2.6	63
58	Liposomes co-loaded with metformin and chlorin e6 modulate tumor hypoxia during enhanced photodynamic therapy. <i>Nano Research</i> , 2017, 10, 1200-1212.	5.8	128
59	Near-infrared light activation of quenched liposomal Ce6 for synergistic cancer phototherapy with effective skin protection. <i>Biomaterials</i> , 2017, 127, 13-24.	5.7	124
60	Drug-induced co-assembly of albumin/catalase as smart nano-theranostics for deep intra-tumoral penetration, hypoxia relieve, and synergistic combination therapy. <i>Journal of Controlled Release</i> , 2017, 263, 79-89.	4.8	165
61	Renal-clearable PEGylated Porphyrin Nanoparticles for Image-Guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1702928.	7.8	113
62	Polydopamine Nanoparticles as a Versatile Molecular Loading Platform to Enable Imaging-guided Cancer Combination Therapy. <i>Theranostics</i> , 2016, 6, 1031-1042.	4.6	244
63	Intelligent Albumin-MnO <sub>2</sub> Nanoparticles as pH/H <sub>2</sub> O <sub>2</sub> -Responsive Dissociable Nanocarriers to Modulate Tumor Hypoxia for Effective Combination Therapy. <i>Advanced Materials</i> , 2016, 28, 7129-7136.	11.1	882
64	Light-Responsive, Singlet-Oxygen-Triggered On-Demand Drug Release from Photosensitizer-Doped Mesoporous Silica Nanorods for Cancer Combination Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 4722-4732.	7.8	141
65	Hyaluronidase To Enhance Nanoparticle-Based Photodynamic Tumor Therapy. <i>Nano Letters</i> , 2016, 16, 2512-2521.	4.5	279
66	Stimuli responsive drug delivery systems based on nano-graphene for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2016, 105, 228-241.	6.6	352
67	Long circulating reduced graphene oxide-iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. <i>Nanoscale</i> , 2016, 8, 12683-12692.	2.8	58
68	Near-infrared-light responsive nanoscale drug delivery systems for cancer treatment. <i>Coordination Chemistry Reviews</i> , 2016, 320-321, 100-117.	9.5	159
69	Synthesis of a UCNPs@SiO <sub>2</sub> @gadofullerene nanocomposite and its application in UCL/MR bimodal imaging. <i>RSC Advances</i> , 2016, 6, 98968-98974.	1.7	13
70	CaCO <sub>3</sub> nanoparticles as an ultra-sensitive tumor-pH-responsive nanoplatform enabling real-time drug release monitoring and cancer combination therapy. <i>Biomaterials</i> , 2016, 110, 60-70.	5.7	227
71	In-vivo targeting of metastatic breast cancer via tumor vasculature-specific nano-graphene oxide. <i>Biomaterials</i> , 2016, 104, 361-371.	5.7	110
72	Ultrasound Triggered Tumor Oxygenation with Oxygen-Shuttle Nanoperfluorocarbon to Overcome Hypoxia-Associated Resistance in Cancer Therapies. <i>Nano Letters</i> , 2016, 16, 6145-6153.	4.5	509

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73	Accelerated Blood Clearance Phenomenon Reduces the Passive Targeting of PEGylated Nanoparticles in Peripheral Arterial Disease. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17955-17963.	4.0	48
74	Re-assessing the enhanced permeability and retention effect in peripheral arterial disease using radiolabeled long circulating nanoparticles. <i>Biomaterials</i> , 2016, 100, 101-109.	5.7	61
75	Cisplatin-Prodrug-Constructed Liposomes as a Versatile Theranostic Nanoplatform for Bimodal Imaging Guided Combination Cancer Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 2207-2217.	7.8	159
76	Nanoscale Metal-Organic Particles with Rapid Clearance for Magnetic Resonance Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2016, 10, 2774-2781.	7.3	300
77	Functionalized graphene oxide serves as a novel vaccine nano-adjuvant for robust stimulation of cellular immunity. <i>Nanoscale</i> , 2016, 8, 3785-3795.	2.8	87
78	Near-infrared light-activated cancer cell targeting and drug delivery with aptamer-modified nanostructures. <i>Nano Research</i> , 2016, 9, 139-148.	5.8	64
79	Graphene Oxide Selectively Enhances Thermostability of Trypsin. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 12270-12277.	4.0	35
80	Generation of Electrospun Nanofibers with Controllable Degrees of Crimping Through a Simple, Plasticizer-Based Treatment. <i>Advanced Materials</i> , 2015, 27, 2583-2588.	11.1	93
81	Antigen-Loaded Upconversion Nanoparticles for Dendritic Cell Stimulation, Tracking, and Vaccination in Dendritic Cell-Based Immunotherapy. <i>ACS Nano</i> , 2015, 9, 6401-6411.	7.3	204
82	Drug-Induced Self-Assembly of Modified Albumins as Nano-theranostics for Tumor-Targeted Combination Therapy. <i>ACS Nano</i> , 2015, 9, 5223-5233.	7.3	314
83	The advancing uses of nano-graphene in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 601-612.	2.4	104
84	Surface Coating-Dependent Cytotoxicity and Degradation of Graphene Derivatives: Towards the Design of Non-Toxic, Degradable Nano-Graphene. <i>Small</i> , 2014, 10, 1544-1554.	5.2	201
85	Drug Delivery with PEGylated MoS <sub>2</sub> Nano-sheets for Combined Photothermal and Chemotherapy of Cancer. <i>Advanced Materials</i> , 2014, 26, 3433-3440.	11.1	1,072
86	Supramolecular self-assembly enhanced europium(iii) luminescence under visible light. <i>Soft Matter</i> , 2014, 10, 4686.	1.2	29
87	Smart pH-Responsive Nanocarriers Based on Nano-Graphene Oxide for Combined Chemo-and Photothermal Therapy Overcoming Drug Resistance. <i>Advanced Healthcare Materials</i> , 2014, 3, 1261-1271.	3.9	150
88	Functional Nanomaterials for Phototherapies of Cancer. <i>Chemical Reviews</i> , 2014, 114, 10869-10939.	23.0	2,120
89	Patterned Substrates of Nano-Graphene Oxide Mediating Highly Localized and Efficient Gene Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5900-5907.	4.0	36
90	Near-Infrared Absorbing Polymeric Nanoparticles as a Versatile Drug Carrier for Cancer Combination Therapy. <i>Advanced Functional Materials</i> , 2013, 23, 6059-6067.	7.8	150

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91	Multilayer Dual-Polymer-Coated Upconversion Nanoparticles for Multimodal Imaging and Serum-Enhanced Gene Delivery. ACS Applied Materials & Interfaces, 2013, 5, 10381-10388.	4.0	67
92	The advantage of reversible coordination polymers in producing visible light sensitized Eu(III) emissions over EDTA via excluding water from the coordination sphere. Physical Chemistry Chemical Physics, 2013, 15, 16641.	1.3	20
93	Preparation and functionalization of graphene nanocomposites for biomedical applications. Nature Protocols, 2013, 8, 2392-2403.	5.5	284
94	Nano-graphene in biomedicine: theranostic applications. Chemical Society Reviews, 2013, 42, 530-547.	18.7	1,483
95	Polyethylene Glycol and Polyethylenimine Dual-Functionalized Nano-Graphene Oxide for Photothermally Enhanced Gene Delivery. Small, 2013, 9, 1989-1997.	5.2	378
96	Graphene Oxide-Silver Nanocomposite As a Highly Effective Antibacterial Agent with Species-Specific Mechanisms. ACS Applied Materials & Interfaces, 2013, 5, 3867-3874.	4.0	424
97	Functionalization of Graphene Oxide Generates a Unique Interface for Selective Serum Protein Interactions. ACS Applied Materials & Interfaces, 2013, 5, 1370-1377.	4.0	91
98	Dual-Polymer-Functionalized Nanoscale Graphene Oxide as a Highly Effective Gene Transfection Agent for Insect Cells with Cell-Type-Dependent Cellular Uptake Mechanisms. Particle and Particle Systems Characterization, 2013, 30, 794-803.	1.2	34
99	<i>In Vivo</i> Targeting and Imaging of Tumor Vasculature with Radiolabeled, Antibody-Conjugated Nanographene. ACS Nano, 2012, 6, 2361-2370.	7.3	318
100	A functionalized graphene oxide-iron oxide nanocomposite for magnetically targeted drug delivery, photothermal therapy, and magnetic resonance imaging. Nano Research, 2012, 5, 199-212.	5.8	562
101	Photothermally Enhanced Photodynamic Therapy Delivered by Nano-Graphene Oxide. ACS Nano, 2011, 5, 7000-7009.	7.3	987
102	Graphene based gene transfection. Nanoscale, 2011, 3, 1252.	2.8	537
103	Graphene in biomedicine: opportunities and challenges. Nanomedicine, 2011, 6, 317-324.	1.7	636
104	In vitro and in vivo behaviors of dextran functionalized graphene. Carbon, 2011, 49, 4040-4049.	5.4	305