

Fang Yang

List of Publications by Year in descending order

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66
papers

3,210
citations

186209

28
h-index

149623

56
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68
all docs

68
docs citations

68
times ranked

4797
citing authors

#	ARTICLE	IF	CITATIONS
1	The Smart Drug Delivery System and Its Clinical Potential. <i>Theranostics</i> , 2016, 6, 1306-1323.	4.6	718
2	Superparamagnetic iron oxide nanoparticle-embedded encapsulated microbubbles as dual contrast agents of magnetic resonance and ultrasound imaging. <i>Biomaterials</i> , 2009, 30, 3882-3890.	5.7	265
3	Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and <i>in Situ</i> Generation of Nitric Oxide in Early Ischemic Stroke. <i>ACS Nano</i> , 2020, 14, 2024-2035.	7.3	156
4	Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. <i>Theranostics</i> , 2020, 10, 462-483.	4.6	154
5	A Hydrogen Peroxide-Responsive O_2 Nanogenerator for Ultrasound and Magnetic-Resonance Dual Modality Imaging. <i>Advanced Materials</i> , 2012, 24, 5205-5211.	11.1	117
6	Magnetic Nanoliposomes as <i>in Situ</i> Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics. <i>ACS Nano</i> , 2017, 11, 1509-1519.	7.3	112
7	Experimental study on cell self-sealing during sonoporation. <i>Journal of Controlled Release</i> , 2008, 131, 205-210.	4.8	98
8	Accelerating thrombolysis using a precision and clot-penetrating drug delivery strategy by nanoparticle-shelled microbubbles. <i>Science Advances</i> , 2020, 6, eaaz8204.	4.7	98
9	A dual-signal amplification platform for sensitive fluorescence biosensing of leukemia-derived exosomes. <i>Nanoscale</i> , 2018, 10, 20289-20295.	2.8	91
10	Shape-controlled fabrication of magnetite silver hybrid nanoparticles with high performance magnetic hyperthermia. <i>Biomaterials</i> , 2017, 124, 35-46.	5.7	82
11	Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. <i>Theranostics</i> , 2018, 8, 4870-4883.	4.6	70
12	Magnetic field activated drug release system based on magnetic PLGA microspheres for chemo-thermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 712-720.	2.5	65
13	Applications of Magnetic Microbubbles for Theranostics. <i>Theranostics</i> , 2012, 2, 103-112.	4.6	61
14	Superparamagnetic nanoparticle-inclusion microbubbles for ultrasound contrast agents. <i>Physics in Medicine and Biology</i> , 2008, 53, 6129-6141.	1.6	59
15	Glucose and magnetic-responsive approach toward <i>in situ</i> nitric oxide bubbles controlled generation for hyperglycemia theranostics. <i>Journal of Controlled Release</i> , 2016, 228, 87-95.	4.8	56
16	Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. <i>Langmuir</i> , 2019, 35, 4238-4245.	1.6	54
17	Dynamic tracking of bulk nanobubbles from microbubbles shrinkage to collapse. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124430.	2.3	50
18	Bubble Microreactors Triggered by an Alternating Magnetic Field as Diagnostic and Therapeutic Delivery Devices. <i>Small</i> , 2010, 6, 1300-1305.	5.2	48

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19	Achieving Ultrasmall Prussian Blue Nanoparticles as High-Performance Biomedical Agents with Multifunctions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57382-57390.	4.0	48
20	Controlled Release of Fe ₃ O ₄ Nanoparticles in Encapsulated Microbubbles to Tumor Cells via Sonoporation and Associated Cellular Bioeffects. <i>Small</i> , 2011, 7, 902-910.	5.2	41
21	A Multi-Gradient Targeting Drug Delivery System Based on RGD-TRAIL-Labeled Magnetic Microbubbles for Cancer Theranostics. <i>Advanced Functional Materials</i> , 2016, 26, 8313-8324.	7.8	41
22	Magnetic drug delivery systems. <i>Science China Materials</i> , 2017, 60, 471-486.	3.5	41
23	Sphingosine 1-Phosphate Liposomes for Targeted Nitric Oxide Delivery to Mediate Anticancer Effects against Brain Glioma Tumors. <i>Advanced Materials</i> , 2021, 33, e2101701.	11.1	41
24	Mesenchymal Stem Cell Transplantation Enhancement in Myocardial Infarction Rat Model under Ultrasound Combined with Nitric Oxide Microbubbles. <i>PLoS ONE</i> , 2013, 8, e80186.	1.1	39
25	A Novel Approach to Making the Gas-Filled Liposome Real: Based on the Interaction of Lipid with Free Nanobubble within the Solution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26579-26584.	4.0	35
26	Microbubbles with surface coated by superparamagnetic iron oxide nanoparticles. <i>Materials Letters</i> , 2012, 68, 64-67.	1.3	33
27	Controlled Drug Release and Hydrolysis Mechanism of Polymer-Magnetic Nanoparticle Composite. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9410-9419.	4.0	33
28	Silver Nanoparticle-Embedded Microbubble as a Dual-Mode Ultrasound and Optical Imaging Probe. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9217-9223.	4.0	29
29	Controlled assembly of magnetic nanoparticles on microbubbles for multimodal imaging. <i>Soft Matter</i> , 2015, 11, 5492-5500.	1.2	29
30	Novel magnetic silk fibroin scaffolds with delayed degradation for potential long-distance vascular repair. <i>Bioactive Materials</i> , 2022, 7, 126-143.	8.6	27
31	Magnet-activatable nanoliposomes as intracellular bubble microreactors to enhance drug delivery efficacy and burst cancer cells. <i>Nanoscale</i> , 2019, 11, 18854-18865.	2.8	24
32	Multiple emulsion microbubbles for ultrasound imaging. <i>Materials Letters</i> , 2008, 62, 121-124.	1.3	23
33	Acid-degradable gadolinium-based nanoscale coordination polymer: A potential platform for targeted drug delivery and potential magnetic resonance imaging. <i>Nano Research</i> , 2018, 11, 929-939.	5.8	22
34	Superparamagnetic iron oxide nanoparticles assembled magnetic nanobubbles and their application for neural stem cells labeling. <i>Journal of Materials Science and Technology</i> , 2021, 63, 124-132.	5.6	22
35	Rapid in situ biosynthesis of gold nanoparticles in living platelets for multimodal biomedical imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 385-393.	2.5	21
36	A targeting drug-delivery model via interactions among cells and liposomes under ultrasonic excitation. <i>Physics in Medicine and Biology</i> , 2008, 53, 3251-3265.	1.6	20

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37	A biomimetic nanocomposite with enzyme-like activities and CXCR4 antagonism efficiently enhances the therapeutic efficacy of acute myeloid leukemia. <i>Bioactive Materials</i> , 2022, 18, 526-538.	8.6	19
38	Preparation and <i>in vivo</i> safety evaluations of antileukemic homoharringtonine-loaded PEGylated liposomes. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 652-660.	0.9	18
39	Protective effect of sphingosine-1-phosphate for chronic intermittent hypoxia-induced endothelial cell injury. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 1016-1021.	1.0	17
40	An acoustic strategy for gold nanoparticle loading in platelets as biomimetic multifunctional carriers. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2138-2144.	2.9	17
41	Altering the response of intracellular reactive oxygen to magnetic nanoparticles using ultrasound and microbubbles. <i>Science China Materials</i> , 2015, 58, 467-480.	3.5	16
42	Magnetic internal heating-induced high performance Prussian blue nanoparticle preparation and excellent catalytic activity. <i>Dalton Transactions</i> , 2019, 48, 17169-17173.	1.6	16
43	Indocyanine Green Assembled Nanobubbles with Enhanced Fluorescence and Photostability. <i>Langmuir</i> , 2020, 36, 12983-12989.	1.6	15
44	Ultrasound-sensitive siRNA-loaded nanobubbles fabrication and antagonism in drug resistance for NSCLC. <i>Drug Delivery</i> , 2022, 29, 99-110.	2.5	15
45	Click Chemistry Mediated Rapid Microbubble Capture for Acute Thrombus Ultrasound Molecular Imaging. <i>ChemBioChem</i> , 2017, 18, 1364-1368.	1.3	14
46	Xenon Nanobubbles for the Image-Guided Preemptive Treatment of Acute Ischemic Stroke via Neuroprotection and Microcirculatory Restoration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43880-43891.	4.0	14
47	Magnetic Nanobubble Mechanical Stress Induces the Piezo1 ²⁺ BMP2/Smad Pathway to Modulate Neural Stem Cell Fate and MRI/Ultrasound Dual Imaging Surveillance for Ischemic Stroke. <i>Small</i> , 2022, 18, e2201123.	5.2	14
48	Inhibitory effect of epirubicin-loaded lipid microbubbles with conjugated anti-ABCG2 antibody combined with therapeutic ultrasound on multiple myeloma cancer stem cells. <i>Journal of Drug Targeting</i> , 2016, 24, 34-46.	2.1	12
49	Cyclic RGD functionalized liposomes targeted to activated platelets for thrombosis dual-mode magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 447-453.	2.9	12
50	Temperature-regulated self-assembly of lipids at free bubbles interface: A green and simple method to prepare micro/nano bubbles. <i>Nano Research</i> , 2020, 13, 999-1007.	5.8	12
51	Hemodynamic Mimic Shear Stress for Platelet Membrane Nanobubbles Preparation and Integrin α IIb β 3 Conformation Regulation. <i>Nano Letters</i> , 2022, 22, 271-279.	4.5	10
52	In situ microbubble-assisted, ultrasound-controlled release of superparamagnetic iron oxide nanoparticles from gastro-retentive tablets. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119615.	2.6	9
53	A Multi-Channel System for Temperature Sensing of Neural Stem Cells in Adherent Culture. <i>Analytical Chemistry</i> , 2020, 92, 3270-3275.	3.2	9
54	Fabrication of nonporous and porous cationic PLGA microspheres. <i>Materials Letters</i> , 2014, 117, 86-89.	1.3	8

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55	The preparation and application of microbubble contrast agent combining ultrasound imaging and magnetic resonance imaging. <i>Science Bulletin</i> , 2009, 54, 2934-2939.	1.7	6
56	Sinapultide-loaded lipid microbubbles and the stabilization effect of sinapultide on the shells of lipid microbubbles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1335-1341.	2.9	6
57	Reaction parameter comparison and optimization of multiple displacement amplification. <i>Analytical Methods</i> , 2020, 12, 46-53.	1.3	6
58	The Antiproliferative and Colony-suppressive Activities of STAT3 Inhibitors in Human Cancer Cells Is Compromised Under Hypoxic Conditions. <i>Anticancer Research</i> , 2017, 37, 547-554.	0.5	6
59	Nanoparticle-shelled Microbubbles Used for Medical Ultrasound Nonlinear Imaging. <i>Physics Procedia</i> , 2015, 70, 1074-1078.	1.2	4
60	Mechanical Properties of Sub-Microbubbles with a Nanoparticle-Decorated Polymer Shell. <i>Langmuir</i> , 2019, 35, 17090-17095.	1.6	4
61	Novel microspheres reduce the formation of deep venous thrombosis and repair the vascular wall in a rat model. <i>Blood Coagulation and Fibrinolysis</i> , 2017, 28, 398-406.	0.5	2
62	Theoretical Study of the Effects of Nanoparticles on the Acoustic Performance of Microbubbles. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 54-61.	1.7	2
63	Effects of sleep apnea hypopnea syndromes on cardiovascular events: a systematic review and meta-analysis. <i>Sleep and Breathing</i> , 2022, 26, 5-15.	0.9	2
64	Thermoelectric Materials: Gate-Tunable Polar Optical Phonon to Piezoelectric Scattering in Few-Layer Bi ₂ O ₂ Se for High-Performance Thermoelectrics (<i>Adv. Mater.</i> 4/2021). <i>Advanced Materials</i> , 2021, 33, 2170023.	11.1	1
65	Recent progress in bioactive gas delivery for cancer immunotherapy. <i>Progress in Biomedical Engineering</i> , 2022, 4, 022001.	2.8	1
66	Microbubbles for Biomedical Imaging. , 2016, , 53-109.		0