Fang Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

66 papers	3,210 citations	186209 28 h-index	149623 56 g-index
68 all docs	68 docs citations	68 times ranked	4797 citing authors

#	Article	IF	Citations
1	Theoretical Study of the Effects of Nanoparticles on the Acoustic Performance of Microbubbles. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 54-61.	1.7	2
2	Effects of sleep apnea hypopnea syndromes on cardiovascular events: a systematic review and meta-analysis. Sleep and Breathing, 2022, 26, 5-15.	0.9	2
3	Novel magnetic silk fibroin scaffolds with delayed degradation for potential long-distance vascular repair. Bioactive Materials, 2022, 7, 126-143.	8.6	27
4	Recent progress in bioactive gas delivery for cancer immunotherapy. Progress in Biomedical Engineering, 2022, 4, 022001.	2.8	1
5	Ultrasound-sensitive siRNA-loaded nanobubbles fabrication and antagonism in drug resistance for NSCLC. Drug Delivery, 2022, 29, 99-110.	2.5	15
6	A biomimetic nanocomposite with enzyme-like activities and CXCR4 antagonism efficiently enhances the therapeutic efficacy of acute myeloid leukemia. Bioactive Materials, 2022, 18, 526-538.	8.6	19
7	Hemodynamic Mimic Shear Stress for Platelet Membrane Nanobubbles Preparation and Integrin Î±_{IIb}Î²₃ Conformation Regulation. Nano Letters, 2022, 22, 271-279.	4.5	10
8	Magnetic Nanobubble Mechanical Stress Induces the Piezo1â€Ca²⁺â€BMP2/Smad Pathway to Modulate Neural Stem Cell Fate and MRI/Ultrasound Dual Imaging Surveillance for Ischemic Stroke. Small, 2022, 18, e2201123.	5.2	14
9	Superparamagnetic iron oxide nanoparticles assembled magnetic nanobubbles and their application for neural stem cells labeling. Journal of Materials Science and Technology, 2021, 63, 124-132.	5.6	22
10	Thermoelectric Materials: Gateâ€Tunable Polar Optical Phonon to Piezoelectric Scattering in Fewâ€Layer Bi₂O₂Se for Highâ€Performance Thermoelectrics (Adv. Mater. 4/2021). Advanced Materials, 2021, 33, 2170023.	11.1	1
11	Sphingosine 1â€Phosphate Liposomes for Targeted Nitric Oxide Delivery to Mediate Anticancer Effects against Brain Glioma Tumors. Advanced Materials, 2021, 33, e2101701.	11.1	41
12	Xenon Nanobubbles for the Image-Guided Preemptive Treatment of Acute Ischemic Stroke via Neuroprotection and Microcirculatory Restoration. ACS Applied Materials & Interfaces, 2021, 13, 43880-43891.	4.0	14
13	Reaction parameter comparison and optimization of multiple displacement amplification. Analytical Methods, 2020, 12, 46-53.	1.3	6
14	Cyclic RGD functionalized liposomes targeted to activated platelets for thrombosis dual-mode magnetic resonance imaging. Journal of Materials Chemistry B, 2020, 8, 447-453.	2.9	12
15	Micro/nano-bubble-assisted ultrasound to enhance the EPR effect and potential theranostic applications. Theranostics, 2020, 10, 462-483.	4.6	154
16	Accelerating thrombolysis using a precision and clot-penetrating drug delivery strategy by nanoparticle-shelled microbubbles. Science Advances, 2020, 6, eaaz8204.	4.7	98
17	Indocyanine Green Assembled Nanobubbles with Enhanced Fluorescence and Photostability. Langmuir, 2020, 36, 12983-12989.	1.6	15
18	Achieving Ultrasmall Prussian Blue Nanoparticles as High-Performance Biomedical Agents with Multifunctions. ACS Applied Materials & Interfaces, 2020, 12, 57382-57390.	4.0	48

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19	In situ microbubble-assisted, ultrasound-controlled release of superparamagnetic iron oxide nanoparticles from gastro-retentive tablets. International Journal of Pharmaceutics, 2020, 586, 119615.	2.6	9
20	Dynamic tracking of bulk nanobubbles from microbubbles shrinkage to collapse. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124430.	2.3	50
21	Platelet Membrane Biomimetic Magnetic Nanocarriers for Targeted Delivery and in Situ Generation of Nitric Oxide in Early Ischemic Stroke. ACS Nano, 2020, 14, 2024-2035.	7.3	156
22	Temperature-regulated self-assembly of lipids at free bubbles interface: A green and simple method to prepare micro/nano bubbles. Nano Research, 2020, 13, 999-1007.	5.8	12
23	A Multi-Channel System for Temperature Sensing of Neural Stem Cells in Adherent Culture. Analytical Chemistry, 2020, 92, 3270-3275.	3.2	9
24	Bulk Nanobubbles Fabricated by Repeated Compression of Microbubbles. Langmuir, 2019, 35, 4238-4245.	1.6	54
25	An acoustic strategy for gold nanoparticle loading in platelets as biomimetic multifunctional carriers. Journal of Materials Chemistry B, 2019, 7, 2138-2144.	2.9	17
26	Magnetic internal heating-induced high performance Prussian blue nanoparticle preparation and excellent catalytic activity. Dalton Transactions, 2019, 48, 17169-17173.	1.6	16
27	Magnet-activatable nanoliposomes as intracellular bubble microreactors to enhance drug delivery efficacy and burst cancer cells. Nanoscale, 2019, 11, 18854-18865.	2.8	24
28	Mechanical Properties of Sub-Microbubbles with a Nanoparticle-Decorated Polymer Shell. Langmuir, 2019, 35, 17090-17095.	1.6	4
29	Sinapultide-loaded lipid microbubbles and the stabilization effect of sinapultide on the shells of lipid microbubbles. Journal of Materials Chemistry B, 2018, 6, 1335-1341.	2.9	6
30	Rapid in situ biosynthesis of gold nanoparticles in living platelets for multimodal biomedical imaging. Colloids and Surfaces B: Biointerfaces, 2018, 163, 385-393.	2.5	21
31	Protective effect of sphingosine-1-phosphate for chronic intermittent hypoxia-induced endothelial cell injury. Biochemical and Biophysical Research Communications, 2018, 498, 1016-1021.	1.0	17
32	Acid-degradable gadolinium-based nanoscale coordination polymer: A potential platform for targeted drug delivery and potential magnetic resonance imaging. Nano Research, 2018, 11, 929-939.	5.8	22
33	A dual-signal amplification platform for sensitive fluorescence biosensing of leukemia-derived exosomes. Nanoscale, 2018, 10, 20289-20295.	2.8	91
34	Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics. Theranostics, 2018, 8, 4870-4883.	4.6	70
35	Shape-controlled fabrication of magnetite silver hybrid nanoparticles with high performance magnetic hyperthermia. Biomaterials, 2017, 124, 35-46.	5.7	82
36	Clickâ€Chemistryâ€Mediated Rapid Microbubble Capture for Acute Thrombus Ultrasound Molecular Imaging. ChemBioChem, 2017, 18, 1364-1368.	1.3	14

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37	Magnetic drug delivery systems. Science China Materials, 2017, 60, 471-486.	3.5	41
38	Preparation and in vivo safety evaluations of antileukemic homoharringtonine-loaded PEGylated liposomes. Drug Development and Industrial Pharmacy, 2017, 43, 652-660.	0.9	18
39	Magnetic Nanoliposomes as in Situ Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics. ACS Nano, 2017, 11, 1509-1519.	7.3	112
40	Novel microspheres reduce the formation of deep venous thrombosis and repair the vascular wall in a rat model. Blood Coagulation and Fibrinolysis, 2017, 28, 398-406.	0.5	2
41	The Antiproliferative and Colony-suppressive Activities of STAT3 Inhibitors in Human Cancer Cells Is Compromised Under Hypoxic Conditions. Anticancer Research, 2017, 37, 547-554.	0.5	6
42	The Smart Drug Delivery System and Its Clinical Potential. Theranostics, 2016, 6, 1306-1323.	4.6	718
43	A Multiâ€Gradient Targeting Drug Delivery System Based on RGDâ€<scp>l</scp>â€TRAILâ€Labeled Magnetic Microbubbles for Cancer Theranostics. Advanced Functional Materials, 2016, 26, 8313-8324.	7.8	41
44	Microbubbles for Biomedical Imaging. , 2016, , 53-109.		0
45	Glucose and magnetic-responsive approach toward in situ nitric oxide bubbles controlled generation for hyperglycemia theranostics. Journal of Controlled Release, 2016, 228, 87-95.	4.8	56
46	Inhibitory effect of epirubicin-loaded lipid microbubbles with conjugated anti-ABCG2 antibody combined with therapeutic ultrasound on multiple myeloma cancer stem cells. Journal of Drug Targeting, 2016, 24, 34-46.	2.1	12
47	Nanoparticle-shelled Microbubbles Used for Medical Ultrasound Nonlinear Imaging. Physics Procedia, 2015, 70, 1074-1078.	1.2	4
48	Controlled assembly of magnetic nanoparticles on microbubbles for multimodal imaging. Soft Matter, 2015, 11, 5492-5500.	1.2	29
49	Controlled Drug Release and Hydrolysis Mechanism of Polymerâ€“Magnetic Nanoparticle Composite. ACS Applied Materials & Interfaces, 2015, 7, 9410-9419.	4.0	33
50	Magnetic field activated drug release system based on magnetic PLGA microspheres for chemo-thermal therapy. Colloids and Surfaces B: Biointerfaces, 2015, 136, 712-720.	2.5	65
51	Altering the response of intracellular reactive oxygen to magnetic nanoparticles using ultrasound and microbubbles. Science China Materials, 2015, 58, 467-480.	3.5	16
52	A Novel Approach to Making the Gas-Filled Liposome Real: Based on the Interaction of Lipid with Free Nanobubble within the Solution. ACS Applied Materials & Interfaces, 2015, 7, 26579-26584.	4.0	35
53	Fabrication of nonporous and porous cationic PLGA microspheres. Materials Letters, 2014, 117, 86-89.	1.3	8
54	Silver Nanoparticle-Embedded Microbubble as a Dual-Mode Ultrasound and Optical Imaging Probe. ACS Applied Materials & Interfaces, 2013, 5, 9217-9223.	4.0	29

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55	Mesenchymal Stem Cell Transplantation Enhancement in Myocardial Infarction Rat Model under Ultrasound Combined with Nitric Oxide Microbubbles. PLoS ONE, 2013, 8, e80186.	1.1	39
56	Applications of Magnetic Microbubbles for Theranostics. Theranostics, 2012, 2, 103-112.	4.6	61
57	A Hydrogen Peroxideâ€Responsive O₂ Nanogenerator for Ultrasound and Magneticâ€Resonance Dual Modality Imaging. Advanced Materials, 2012, 24, 5205-5211.	11.1	117
58	Microbubbles with surface coated by superparamagnetic iron oxide nanoparticles. Materials Letters, 2012, 68, 64-67.	1.3	33
59	Controlled Release of Fe₃O₄ Nanoparticles in Encapsulated Microbubbles to Tumor Cells via Sonoporation and Associated Cellular Bioeffects. Small, 2011, 7, 902-910.	5.2	41
60	Bubble Microreactors Triggered by an Alternating Magnetic Field as Diagnostic and Therapeutic Delivery Devices. Small, 2010, 6, 1300-1305.	5.2	48
61	The preparation and application of microbubble contrast agent combining ultrasound imaging and magnetic resonance imaging. Science Bulletin, 2009, 54, 2934-2939.	1.7	6
62	Superparamagnetic iron oxide nanoparticle-embedded encapsulated microbubbles as dual contrast agents of magnetic resonance and ultrasound imaging. Biomaterials, 2009, 30, 3882-3890.	5.7	265
63	Multiple emulsion microbubbles for ultrasound imaging. Materials Letters, 2008, 62, 121-124.	1.3	23
64	Experimental study on cell self-sealing during sonoporation. Journal of Controlled Release, 2008, 131, 205-210.	4.8	98
65	A targeting drug-delivery model via interactions among cells and liposomes under ultrasonic excitation. Physics in Medicine and Biology, 2008, 53, 3251-3265.	1.6	20
66	Superparamagnetic nanoparticle-inclusion microbubbles for ultrasound contrast agents. Physics in Medicine and Biology, 2008, 53, 6129-6141.	1.6	59