

Fei Yan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,990
citations

25
h-index

43
g-index

84
ext. papers

2,472
ext. citations

7.5
avg, IF

5.05
L-index

#	Paper	IF	Citations
75	Ultrasound imaging tracking of mesenchymal stem cells intracellularly labeled with biosynthetic gas vesicles for treatment of rheumatoid arthritis.. <i>Theranostics</i> , 2022 , 12, 2370-2382	12.1	0
74	Background-suppressed tumor-targeted photoacoustic imaging using bacterial carriers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	2
73	Using extracellular vesicles derived from human umbilical cord mesenchymal stem cells for a topical coating promotes oral mucositis healing in rats.. <i>Annals of Translational Medicine</i> , 2022 , 10, 290	3.2	
72	Pre-transplantation of Bone Marrow Mesenchymal Stem Cells Amplifies the Therapeutic Effect of Ultrasound-Targeted Microbubble Destruction-Mediated Localized Combined Gene Therapy in Post-Myocardial Infarction Heart Failure Rats.. <i>Ultrasound in Medicine and Biology</i> , 2022 ,	3.5	1
71	Ultrasound Molecular Imaging for Multiple Biomarkers by Serial Collapse of Targeting Microbubbles with Distinct Acoustic Pressures.. <i>Small</i> , 2022 , e2108040	11	0
70	Ultrasound-triggered drug delivery for glioma therapy through gambogic acid-loaded nanobubble-microbubble complexes. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 150, 113042	7.5	2
69	Bionic Microbubble Neutrophil Composite for Inflammation-Responsive Atherosclerotic Vulnerable Plaque Pluripotent Intervention. <i>Research</i> , 2022 , 2022, 1-11	7.8	0
68	Biosynthetic Gas Vesicles from Halobacteria NRC-1: A Potential Ultrasound Contrast Agent for Tumor Imaging. <i>Pharmaceutics</i> , 2022 , 14, 1198	6.4	1
67	Eltrombopag in the treatment of patients with persistent thrombocytopenia after haploidentical peripheral blood stem cell transplantation: a single-center experience. <i>Annals of Hematology</i> , 2021 , 1	3	0
66	Brain Delivery of Curcumin Through Low-Intensity Ultrasound-Induced Blood-Brain Barrier Opening via Lipid-PLGA Nanobubbles. <i>International Journal of Nanomedicine</i> , 2021 , 16, 7433-7447	7.3	5
65	Sensitization of nerve cells to ultrasound stimulation through Piezo1-targeted microbubbles. <i>Ultrasonics Sonochemistry</i> , 2021 , 73, 105494	8.9	4
64	Thermophilic whole-cell degradation of polyethylene terephthalate using engineered Clostridium thermocellum. <i>Microbial Biotechnology</i> , 2021 , 14, 374-385	6.3	46
63	Ultrasound molecular imaging-guided tumor gene therapy through dual-targeted cationic microbubbles. <i>Biomaterials Science</i> , 2021 , 9, 2454-2466	7.4	10
62	An acoustic field-based conformal transfection system for improving the gene delivery efficiency. <i>Biomaterials Science</i> , 2021 , 9, 4127-4138	7.4	0
61	Early Detection and Reversal of Cell Apoptosis Induced by Focused Ultrasound-Mediated Blood-Brain Barrier Opening. <i>ACS Nano</i> , 2021 , 15, 14509-14521	16.7	3
60	Effect of Gambogic Acid-Loaded Porous-Lipid/PLGA Microbubbles in Combination With Ultrasound-Triggered Microbubble Destruction on Human Glioma. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 711787	5.8	2
59	Coordinated β glucosidase activity with the cellulosome is effective for enhanced lignocellulose saccharification. <i>Bioresource Technology</i> , 2021 , 337, 125441	11	8

58	Ultrasound monitoring of magnet-guided delivery of mesenchymal stem cells labeled with magnetic lipid-polymer hybrid nanobubbles. <i>Biomaterials Science</i> , 2020 , 8, 3628-3639	7.4	3
57	Real-Time Imaging Tracking of Engineered Macrophages as Ultrasound-Triggered Cell Bombs for Cancer Treatment. <i>Advanced Functional Materials</i> , 2020 , 30, 1910304	15.6	13
56	Relaxation of competing electromechanical couplings in murine artery. <i>Applied Physics Letters</i> , 2020 , 117, 143701	3.4	
55	Early evaluation of survival of the transplanted ovaries through ultrasound molecular imaging via targeted nanobubbles. <i>Biomaterials Science</i> , 2020 , 8, 5402-5414	7.4	2
54	Near-infrared fluorescence imaging-guided focused ultrasound-mediated therapy against Rheumatoid Arthritis by MTX-ICG-loaded iRGD-modified echogenic liposomes. <i>Theranostics</i> , 2020 , 10, 10092-10105	12.1	14
53	Acoustic Characteristics of Biosynthetic Bubbles for Ultrasound Contrast Imaging. <i>Langmuir</i> , 2019 , 35, 10213-10222	4	1
52	Focused Ultrasound Improves NK-92MI Cells Infiltration Into Tumors. <i>Frontiers in Pharmacology</i> , 2019 , 10, 326	5.6	9
51	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small CuSe nanoparticles. <i>Nanoscale</i> , 2019 , 11, 7600-7608	7.7	58
50	Advances in mechanism studies on ultrasonic gene delivery at cellular level. <i>Progress in Biophysics and Molecular Biology</i> , 2019 , 142, 1-9	4.7	14
49	Biosynthetic nanobubbles for targeted gene delivery by focused ultrasound. <i>Nanoscale</i> , 2019 , 11, 14757-14768	7.1	28
48	Lipid/PLGA Hybrid Microbubbles as a Versatile Platform for Noninvasive Image-Guided Targeted Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41842-41852	9.5	24
47	Ultrasound-Induced Blood-Brain-Barrier Opening Enhances Anticancer Efficacy in the Treatment of Glioblastoma: Current Status and Future Prospects. <i>Journal of Oncology</i> , 2019 , 2019, 2345203	4.5	16
46	Ultrasound Molecular Imaging of Lymphocyte-endothelium Adhesion Cascade in Acute Cellular Rejection of Cardiac Allografts. <i>Transplantation</i> , 2019 , 103, 1603-1611	1.8	4
45	3D self-gated cardiac cine imaging at 3 Tesla using stack-of-stars bSSFP with tiny golden angles and compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 3234-3244	4.4	5
44	Focused Ultrasound-Augmented Delivery of Biodegradable Multifunctional Nanoplatforms for Imaging-Guided Brain Tumor Treatment. <i>Advanced Science</i> , 2018 , 5, 1700474	13.6	48
43	Mechanisms of enhanced antiglioma efficacy of polysorbate 80-modified paclitaxel-loaded PLGA nanoparticles by focused ultrasound. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 4171-4182	5.6	23
42	Ultrasound Molecular Imaging of Atherosclerosis for Early Diagnosis and Therapeutic Evaluation through Leucocyte-like Multiple Targeted Microbubbles. <i>Theranostics</i> , 2018 , 8, 1879-1891	12.1	34
41	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. <i>Journal of Controlled Release</i> , 2018 , 286, 358-368	11.7	48

40	Fiber Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for Visualization of Cancer Photothermal Therapy. <i>Theranostics</i> , 2018 , 8, 410-422	12.1	20
39	Monitoring the Opening and Recovery of the Blood-Brain Barrier with Noninvasive Molecular Imaging by Biodegradable Ultrasmall CuSe Nanoparticles. <i>Nano Letters</i> , 2018 , 18, 4985-4992	11.5	67
38	Localized delivery of curcumin into brain with polysorbate 80-modified cerasomes by ultrasound-targeted microbubble destruction for improved Parkinson's disease therapy. <i>Theranostics</i> , 2018 , 8, 2264-2277	12.1	94
37	PIEZO channel protein naturally expressed in human breast cancer cell MDA-MB-231 as probed by atomic force microscopy. <i>AIP Advances</i> , 2018 , 8, 055101	1.5	7
36	Molecular Ultrasound Monitoring of Early Artery Injury After Carotid Balloon Angioplasty. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1569	5.6	4
35	Molecular Ultrasound Assessment of Glioblastoma Neovasculature with Endoglin-Targeted Microbubbles. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 8425495	3.2	8
34	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. <i>Nature Communications</i> , 2018 , 9, 4777	17.4	107
33	Noninvasive and Local Delivery of Adenoviral-Mediated Herpes Simplex Virus Thymidine Kinase to Treat Glioma Through Focused Ultrasound-Induced Blood-Brain Barrier Opening in Rats. <i>Journal of Biomedical Nanotechnology</i> , 2018 , 14, 2031-2041	4	10
32	Theranostic nanosensitizers for highly efficient MR/fluorescence imaging-guided sonodynamic therapy of gliomas. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 5394-5405	5.6	21
31	Minimally invasive periventricular versus open surgical ventricular septal defect closure in infants and children: a randomised clinical trial. <i>Heart</i> , 2018 , 104, 2035-2043	5.1	11
30	Tumor-penetrating Peptide-integrated Thermally Sensitive Liposomal Doxorubicin Enhances Efficacy of Radiofrequency Ablation in Liver Tumors. <i>Radiology</i> , 2017 , 285, 462-471	20.5	14
29	Image-Guided Hydrogen Gas Delivery for Protection from Myocardial Ischemia-Reperfusion Injury via Microbubbles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21190-21199	9.5	66
28	Localized Delivery of shRNA against PHD2 Protects the Heart from Acute Myocardial Infarction through Ultrasound-Targeted Cationic Microbubble Destruction. <i>Theranostics</i> , 2017 , 7, 51-66	12.1	35
27	Three-dimensional self-gated cardiac MR imaging for the evaluation of myocardial infarction in mouse model on a 3T clinical MR system. <i>PLoS ONE</i> , 2017 , 12, e0189286	3.7	2
26	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. <i>Biomaterials</i> , 2017 , 141, 50-62	15.6	28
25	Enhanced delivery of paclitaxel liposomes using focused ultrasound with microbubbles for treating nude mice bearing intracranial glioblastoma xenografts. <i>International Journal of Nanomedicine</i> , 2017 , 12, 5613-5629	7.3	51
24	Preparation and characterization of a novel silicon-modified nanobubble. <i>PLoS ONE</i> , 2017 , 12, e0178031	3.7	9
23	Ultrasound triggered image-guided drug delivery to inhibit vascular reconstruction via paclitaxel-loaded microbubbles. <i>Scientific Reports</i> , 2016 , 6, 21683	4.9	34

22	Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5 MHz) Ultrasound. <i>Scientific Reports</i> , 2016 , 6, 24738	4.9	62
21	Template-Free Synthesis of Hollow/Porous Organosilica-FeO Hybrid Nanocapsules toward Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29986-29996	9.5	22
20	IR-780 Dye as a Sonosensitizer for Sonodynamic Therapy of Breast Tumor. <i>Scientific Reports</i> , 2016 , 6, 25968	4.9	59
19	Hyperthermia-triggered drug delivery from iRGD-modified temperature-sensitive liposomes enhances the anti-tumor efficacy using high intensity focused ultrasound. <i>Journal of Controlled Release</i> , 2016 , 243, 333-341	11.7	51
18	A novel dual-targeted ultrasound contrast agent provides improvement of gene delivery efficiency in vitro. <i>Tumor Biology</i> , 2016 , 37, 8609-19	2.9	9
17	Molecular imaging-guided photothermal/photodynamic therapy against tumor by iRGD-modified indocyanine green nanoparticles. <i>Journal of Controlled Release</i> , 2016 , 224, 217-228	11.7	169
16	NIR-Laser-Controlled Drug Release from DOX/IR-780-Loaded Temperature-Sensitive-Liposomes for Chemo-Photothermal Synergistic Tumor Therapy. <i>Theranostics</i> , 2016 , 6, 2337-2351	12.1	106
15	A Lipopeptide-Based $\alpha_5\beta_1$ Integrin-Targeted Ultrasound Contrast Agent for Molecular Imaging of Tumor Angiogenesis. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 2765-73	3.5	25
14	Regulating phosphoenolpyruvate carboxylase activity by copper-induced expression method and exploring its role of carbon flux distribution in <i>Synechocystis</i> PCC 6803. <i>Journal of Applied Phycology</i> , 2015 , 27, 179-185	3.2	4
13	Ultrasound molecular imaging of vascular endothelial growth factor receptor 2 expression for endometrial receptivity evaluation. <i>Theranostics</i> , 2015 , 5, 206-17	12.1	10
12	A Disposable Microfluidic Device for Controlled Drug Release from Thermal-Sensitive Liposomes by High Intensity Focused Ultrasound. <i>Theranostics</i> , 2015 , 5, 1203-13	12.1	30
11	Magnetic Resonance Imaging of Atherosclerosis Using CD81-Targeted Microparticles of Iron Oxide in Mice. <i>BioMed Research International</i> , 2015 , 2015, 758616	3	6
10	Association between assisted reproductive technology and cardiac alteration at age 5 years. <i>JAMA Pediatrics</i> , 2015 , 169, 603-5	8.3	24
9	Tumor Restrictive Suicide Gene Therapy for Glioma Controlled by the FOS Promoter. <i>PLoS ONE</i> , 2015 , 10, e0143112	3.7	3
8	Reversal of multidrug resistance phenotype in human breast cancer cells using doxorubicin-liposome-microbubble complexes assisted by ultrasound. <i>Journal of Controlled Release</i> , 2014 , 174, 109-16	11.7	58
7	A novel microfluidic chip for assessing dynamic adhesion behavior of cell-targeting microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 148-57	3.5	7
6	On-line modeling intracellular carbon and energy metabolism of <i>Nannochloropsis</i> sp. in nitrogen-repletion and nitrogen-limitation cultures. <i>Bioresource Technology</i> , 2014 , 164, 86-92	11	13
5	Paclitaxel-liposome-microbubble complexes as ultrasound-triggered therapeutic drug delivery carriers. <i>Journal of Controlled Release</i> , 2013 , 166, 246-55	11.7	184

4	Adenovirus-mediated combined anti-angiogenic and pro-apoptotic gene therapy enhances antitumor efficacy in hepatocellular carcinoma. <i>Oncology Letters</i> , 2013 , 5, 348-354	2.6	9
3	A novel cationic microbubble coated with stearic acid-modified polyethylenimine to enhance DNA loading and gene delivery by ultrasound. <i>PLoS ONE</i> , 2013 , 8, e76544	3.7	26
2	Ultrasonic imaging of endothelial CD81 expression using CD81-targeted contrast agents in in vitro and in vivo studies. <i>Ultrasound in Medicine and Biology</i> , 2012 , 38, 670-80	3.5	15
1	Therapeutic ultrasonic microbubbles carrying paclitaxel and LyP-1 peptide: preparation, characterization and application to ultrasound-assisted chemotherapy in breast cancer cells. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 768-79	3.5	65