Fei Yan

List of Publications by Citations

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	Paclitaxel-liposome-microbubble complexes as ultrasound-triggered therapeutic drug delivery carriers. *Journal of Controlled Release*, **2013**, 166, 246-55	11.7	184
74	Molecular imaging-guided photothermal/photodynamic therapy against tumor by iRGD-modified indocyanine green nanoparticles. *Journal of Controlled Release*, **2016**, 224, 217-228	11.7	169
73	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. *Nature Communications*, **2018**, 9, 4777	17.4	107
72	NIR-Laser-Controlled Drug Release from DOX/IR-780-Loaded Temperature-Sensitive-Liposomes for Chemo-Photothermal Synergistic Tumor Therapy. *Theranostics*, **2016**, 6, 2337-2351	12.1	106
71	Localized delivery of curcumin into brain with polysorbate 80-modified cerasomes by ultrasound-targeted microbubble destruction for improved Parkinson¥ disease therapy. *Theranostics*, **2018**, 8, 2264-2277	12.1	94
70	Monitoring the Opening and Recovery of the Blood-Brain Barrier with Noninvasive Molecular Imaging by Biodegradable Ultrasmall CuSe Nanoparticles. *Nano Letters*, **2018**, 18, 4985-4992	11.5	67
69	Image-Guided Hydrogen Gas Delivery for Protection from Myocardial Ischemia-Reperfusion Injury via Microbubbles. *ACS Applied Materials & Interfaces*, **2017**, 9, 21190-21199	9.5	66
68	Therapeutic ultrasonic microbubbles carrying paclitaxel and LyP-1 peptide: preparation, characterization and application to ultrasound-assisted chemotherapy in breast cancer cells. *Ultrasound in Medicine and Biology*, **2011**, 37, 768-79	3.5	65
67	Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5 MHz) Ultrasound. *Scientific Reports*, **2016**, 6, 24738	4.9	62
66	IR-780 Dye as a Sonosensitizer for Sonodynamic Therapy of Breast Tumor. *Scientific Reports*, **2016**, 6, 25968	4.9	59
65	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small CuSe nanoparticles. *Nanoscale*, **2019**, 11, 7600-7608	7.7	58
64	Reversal of multidrug resistance phenotype in human breast cancer cells using doxorubicin-liposome-microbubble complexes assisted by ultrasound. *Journal of Controlled Release* , **2014**, 174, 109-16	11.7	58
63	Hyperthermia-triggered drug delivery from iRGD-modified temperature-sensitive liposomes enhances the anti-tumor efficacy using high intensity focused ultrasound. *Journal of Controlled Release*, **2016**, 243, 333-341	11.7	51
62	Enhanced delivery of paclitaxel liposomes using focused ultrasound with microbubbles for treating nude mice bearing intracranial glioblastoma xenografts. *International Journal of Nanomedicine*, **2017**, 12, 5613-5629	7.3	51
61	Focused Ultrasound-Augmented Delivery of Biodegradable Multifunctional Nanoplatforms for Imaging-Guided Brain Tumor Treatment. *Advanced Science*, **2018**, 5, 1700474	13.6	48
60	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. *Journal of Controlled Release*, **2018**, 286, 358-368	11.7	48
59	Thermophilic whole-cell degradation of polyethylene terephthalate using engineered Clostridium thermocellum. *Microbial Biotechnology*, **2021**, 14, 374-385	6.3	46

58	Localized Delivery of shRNA against PHD2 Protects the Heart from Acute Myocardial Infarction through Ultrasound-Targeted Cationic Microbubble Destruction. *Theranostics*, **2017**, 7, 51-66	12.1	35
57	Ultrasound triggered image-guided drug delivery to inhibit vascular reconstruction via paclitaxel-loaded microbubbles. *Scientific Reports*, **2016**, 6, 21683	4.9	34
56	Ultrasound Molecular Imaging of Atherosclerosis for Early Diagnosis and Therapeutic Evaluation through Leucocyte-like Multiple Targeted Microbubbles. *Theranostics*, **2018**, 8, 1879-1891	12.1	34
55	A Disposable Microfluidic Device for Controlled Drug Release from Thermal-Sensitive Liposomes by High Intensity Focused Ultrasound. *Theranostics*, **2015**, 5, 1203-13	12.1	30
54	Biosynthetic nanobubbles for targeted gene delivery by focused ultrasound. *Nanoscale*, **2019**, 11, 14757-14768	7.7	28
53	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. *Biomaterials*, **2017**, 141, 50-62	15.6	28
52	A novel cationic microbubble coated with stearic acid-modified polyethylenimine to enhance DNA loading and gene delivery by ultrasound. *PLoS ONE*, **2013**, 8, e76544	3.7	26
51	A Lipopeptide-Based □□Integrin-Targeted Ultrasound Contrast Agent for Molecular Imaging of Tumor Angiogenesis. *Ultrasound in Medicine and Biology*, **2015**, 41, 2765-73	3.5	25
50	Lipid/PLGA Hybrid Microbubbles as a Versatile Platform for Noninvasive Image-Guided Targeted Drug Delivery. *ACS Applied Materials & Interfaces*, **2019**, 11, 41842-41852	9.5	24
49	Association between assisted reproductive technology and cardiac alteration at age 5 years. *JAMA Pediatrics*, **2015**, 169, 603-5	8.3	24
48	Mechanisms of enhanced antiglioma efficacy of polysorbate 80-modified paclitaxel-loaded PLGA nanoparticles by focused ultrasound. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 4171-4182	5.6	23
47	Template-Free Synthesis of Hollow/Porous Organosilica-FeO Hybrid Nanocapsules toward Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound Therapy. *ACS Applied Materials & Interfaces*, **2016**, 8, 29986-29996	9.5	22
46	Theranostic nanosensitizers for highly efficient MR/fluorescence imaging-guided sonodynamic therapy of gliomas. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 5394-5405	5.6	21
45	F□ster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for Visualization of Cancer Photothermal Therapy. *Theranostics*, **2018**, 8, 410-422	12.1	20
44	Ultrasound-Induced Blood-Brain-Barrier Opening Enhances Anticancer Efficacy in the Treatment of Glioblastoma: Current Status and Future Prospects. *Journal of Oncology*, **2019**, 2019, 2345203	4.5	16
43	Ultrasonic imaging of endothelial CD81 expression using CD81-targeted contrast agents in in vitro and in vivo studies. *Ultrasound in Medicine and Biology*, **2012**, 38, 670-80	3.5	15
42	Tumor-penetrating Peptide-integrated Thermally Sensitive Liposomal Doxorubicin Enhances Efficacy of Radiofrequency Ablation in Liver Tumors. *Radiology*, **2017**, 285, 462-471	20.5	14
41	Advances in mechanism studies on ultrasonic gene delivery at cellular level. *Progress in Biophysics and Molecular Biology*, **2019**, 142, 1-9	4.7	14

40	Near-infrared fluorescence imaging-guided focused ultrasound-mediated therapy against Rheumatoid Arthritis by MTX-ICG-loaded iRGD-modified echogenic liposomes. *Theranostics*, **2020**, 10, 10092-10105	12.1	14
39	Real-Time Imaging Tracking of Engineered Macrophages as Ultrasound-Triggered Cell Bombs for Cancer Treatment. *Advanced Functional Materials*, **2020**, 30, 1910304	15.6	13
38	On-line modeling intracellular carbon and energy metabolism of Nannochloropsis sp. in nitrogen-repletion and nitrogen-limitation cultures. *Bioresource Technology*, **2014**, 164, 86-92	11	13
37	Minimally invasive perventricular versus open surgical ventricular septal defect closure in infants and children: a randomised clinical trial. *Heart*, **2018**, 104, 2035-2043	5.1	11
36	Ultrasound molecular imaging of vascular endothelial growth factor receptor 2 expression for endometrial receptivity evaluation. *Theranostics*, **2015**, 5, 206-17	12.1	10
35	Ultrasound molecular imaging-guided tumor gene therapy through dual-targeted cationic microbubbles. *Biomaterials Science*, **2021**, 9, 2454-2466	7.4	10
34	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. *Journal of Biomedical Nanotechnology*, **2018**, 14, 2031-2041	4	10
33	Focused Ultrasound Improves NK-92MI Cells Infiltration Into Tumors. *Frontiers in Pharmacology*, **2019**, 10, 326	5.6	9
32	A novel dual-targeted ultrasound contrast agent provides improvement of gene delivery efficiency in vitro. *Tumor Biology*, **2016**, 37, 8609-19	2.9	9
31	Adenovirus-mediated combined anti-angiogenic and pro-apoptotic gene therapy enhances antitumor efficacy in hepatocellular carcinoma. *Oncology Letters*, **2013**, 5, 348-354	2.6	9
30	Preparation and characterization of a novel silicon-modified nanobubble. *PLoS ONE*, **2017**, 12, e0178031	3.7	9
29	Molecular Ultrasound Assessment of Glioblastoma Neovasculature with Endoglin-Targeted Microbubbles. *Contrast Media and Molecular Imaging*, **2018**, 2018, 8425495	3.2	8
28	Coordinated β-glucosidase activity with the cellulosome is effective for enhanced lignocellulose saccharification. *Bioresource Technology*, **2021**, 337, 125441	11	8
27	PIEZO channel protein naturally expressed in human breast cancer cell MDA-MB-231 as probed by atomic force microscopy. *AIP Advances*, **2018**, 8, 055101	1.5	7
26	A novel microfluidic chip for assessing dynamic adhesion behavior of cell-targeting microbubbles. *Ultrasound in Medicine and Biology*, **2014**, 40, 148-57	3.5	7
25	Magnetic Resonance Imaging of Atherosclerosis Using CD81-Targeted Microparticles of Iron Oxide in Mice. *BioMed Research International*, **2015**, 2015, 758616	3	6
24	Brain Delivery of Curcumin Through Low-Intensity Ultrasound-Induced Blood-Brain Barrier Opening via Lipid-PLGA Nanobubbles. *International Journal of Nanomedicine*, **2021**, 16, 7433-7447	7.3	5
23	3D self-gated cardiac cine imaging at 3 Tesla using stack-of-stars bSSFP with tiny golden angles and compressed sensing. *Magnetic Resonance in Medicine*, **2019**, 81, 3234-3244	4.4	5

22	Regulating phosphoenolpyruvate carboxylase activity by copper-induced expression method and exploring its role of carbon flux distribution in Synechocystis PCC 6803. *Journal of Applied Phycology*, **2015**, 27, 179-185	3.2	4
21	Sensitization of nerve cells to ultrasound stimulation through Piezo1-targeted microbubbles. *Ultrasonics Sonochemistry*, **2021**, 73, 105494	8.9	4
20	Molecular Ultrasound Monitoring of Early Artery Injury After Carotid Balloon Angioplasty. *Frontiers in Pharmacology*, **2018**, 9, 1569	5.6	4
19	Ultrasound Molecular Imaging of Lymphocyte-endothelium Adhesion Cascade in Acute Cellular Rejection of Cardiac Allografts. *Transplantation*, **2019**, 103, 1603-1611	1.8	4
18	Ultrasound monitoring of magnet-guided delivery of mesenchymal stem cells labeled with magnetic lipid-polymer hybrid nanobubbles. *Biomaterials Science*, **2020**, 8, 3628-3639	7.4	3
17	Tumor Restrictive Suicide Gene Therapy for Glioma Controlled by the FOS Promoter. *PLoS ONE*, **2015**, 10, e0143112	3.7	3
16	Early Detection and Reversal of Cell Apoptosis Induced by Focused Ultrasound-Mediated Blood-Brain Barrier Opening. *ACS Nano*, **2021**, 15, 14509-14521	16.7	3
15	Three-dimensional self-gated cardiac MR imaging for the evaluation of myocardial infarction in mouse model on a 3T clinical MR system. *PLoS ONE*, **2017**, 12, e0189286	3.7	2
14	Early evaluation of survival of the transplanted ovaries through ultrasound molecular imaging via targeted nanobubbles. *Biomaterials Science*, **2020**, 8, 5402-5414	7.4	2
13	Effect of Gambogic Acid-Loaded Porous-Lipid/PLGA Microbubbles in Combination With Ultrasound-Triggered Microbubble Destruction on Human Glioma. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 711787	5.8	2
12	Background-suppressed tumor-targeted photoacoustic imaging using bacterial carriers.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	2
11	Ultrasound-triggered drug delivery for glioma therapy through gambogic acid-loaded nanobubble-microbubble complexes. *Biomedicine and Pharmacotherapy*, **2022**, 150, 113042	7.5	2
10	Acoustic Characteristics of Biosynthetic Bubbles for Ultrasound Contrast Imaging. *Langmuir*, **2019**, 35, 10213-10222	4	1
9	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.. *Ultrasound in Medicine and Biology*, **2022**,	3.5	1
8	Biosynthetic Gas Vesicles from Halobacteria NRC-1: A Potential Ultrasound Contrast Agent for Tumor Imaging. *Pharmaceutics*, **2022**, 14, 1198	6.4	1
7	Eltrombopag in the treatment of patients with persistent thrombocytopenia after haploidentical peripheral blood stem cell transplantation: a single-center experience. *Annals of Hematology*, **2021**, 1	3	0
6	An acoustic field-based conformal transfection system for improving the gene delivery efficiency. *Biomaterials Science*, **2021**, 9, 4127-4138	7.4	0
5	Ultrasound imaging tracking of mesenchymal stem cells intracellularly labeled with biosynthetic gas vesicles for treatment of rheumatoid arthritis.. *Theranostics*, **2022**, 12, 2370-2382	12.1	0

4	Ultrasound Molecular Imaging for Multiple Biomarkers by Serial Collapse of Targeting Microbubbles with Distinct Acoustic Pressures.. *Small*, **2022**, e2108040	11	0
3	Bionic Microbubble Neutrophil Composite for Inflammation-Responsive Atherosclerotic Vulnerable Plaque Pluripotent Intervention. *Research*, **2022**, 2022, 1-11	7.8	0
2	Relaxation of competing electromechanical couplings in murine artery. *Applied Physics Letters*, **2020** , 117, 143701	3.4	
1	Using extracellular vesicles derived from human umbilical cord mesenchymal stem cells for a topical coating promotes oral mucositis healing in rats.. *Annals of Translational Medicine*, **2022**, 10, 290	3.2	