Fei Yan

List of Publications by Year
in descending order

79 papers	2,966 citations	159358 30 h-index	174990 52 g-index
84 all docs	84 docs citations	84 times ranked	4520 citing authors

#	Article	IF	Citations
1	Paclitaxel-liposomeâ€“microbubble complexes as ultrasound-triggered therapeutic drug delivery carriers. Journal of Controlled Release, 2013, 166, 246-255.	4.8	213
2	Molecular imaging-guided photothermal/photodynamic therapy against tumor by iRGD-modified indocyanine green nanoparticles. Journal of Controlled Release, 2016, 224, 217-228.	4.8	209
3	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. Nature Communications, 2018, 9, 4777.	5.8	173
4	Localized delivery of curcumin into brain with polysorbate 80-modified cerasomes by ultrasound-targeted microbubble destruction for improved Parkinson's disease therapy. Theranostics, 2018, 8, 2264-2277.	4.6	137
5	NIR-Laser-Controlled Drug Release from DOX/IR-780-Loaded Temperature-Sensitive-Liposomes for Chemo-Photothermal Synergistic Tumor Therapy. Theranostics, 2016, 6, 2337-2351.	4.6	132
6	Thermophilic wholeâ€cell degradation of polyethylene terephthalate using engineered Clostridium thermocellum. Microbial Biotechnology, 2021, 14, 374-385.	2.0	106
7	Monitoring the Opening and Recovery of the Bloodâ€“Brain Barrier with Noninvasive Molecular Imaging by Biodegradable Ultrasmall Cu_{2â€“x}Se Nanoparticles. Nano Letters, 2018, 18, 4985-4992.	4.5	105
8	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small Cu_{2â^'x}Se nanoparticles. Nanoscale, 2019, 11, 7600-7608.	2.8	100
9	Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5â€‰MHz) Ultrasound. Scientific Reports, 2016, 6, 24738.	1.6	84
10	IR-780 Dye as a Sonosensitizer for Sonodynamic Therapy of Breast Tumor. Scientific Reports, 2016, 6, 25968.	1.6	83
11	Image-Guided Hydrogen Gas Delivery for Protection from Myocardial Ischemiaâ€“Reperfusion Injury via Microbubbles. ACS Applied Materials & Interfaces, 2017, 9, 21190-21199.	4.0	83
12	Enhanced delivery of paclitaxel liposomes using focused ultrasound with microbubbles for treating nude mice bearing intracranial glioblastoma xenografts. International Journal of Nanomedicine, 2017, Volume 12, 5613-5629.	3.3	81
13	Focused Ultrasoundâ€Augmented Delivery of Biodegradable Multifunctional Nanoplatforms for Imagingâ€Guided Brain Tumor Treatment. Advanced Science, 2018, 5, 1700474.	5.6	71
14	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. Journal of Controlled Release, 2018, 286, 358-368.	4.8	71
15	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, 768-779.	0.7	70
16	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.	4.8	69
17	Reversal of multidrug resistance phenotype in human breast cancer cells using doxorubicin-liposomeâ€“microbubble complexes assisted by ultrasound. Journal of Controlled Release, 2014, 174, 109-116.	4.8	67
18	Ultrasound Molecular Imaging of Atherosclerosis for Early Diagnosis and Therapeutic Evaluation through Leucocyte-like Multiple Targeted Microbubbles. Theranostics, 2018, 8, 1879-1891.	4.6	57

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19	Biosynthetic nanobubbles for targeted gene delivery by focused ultrasound. Nanoscale, 2019, 11, 14757-14768.	2.8	50
20	Lipid/PLGA Hybrid Microbubbles as a Versatile Platform for Noninvasive Image-Guided Targeted Drug Delivery. ACS Applied Materials & Interfaces, 2019, 11, 41842-41852.	4.0	50
21	Localized Delivery of shRNA against PHD2 Protects the Heart from Acute Myocardial Infarction through Ultrasound-Targeted Cationic Microbubble Destruction. Theranostics, 2017, 7, 51-66.	4.6	46
22	Ultrasound triggered image-guided drug delivery to inhibit vascular reconstruction via paclitaxel-loaded microbubbles. Scientific Reports, 2016, 6, 21683.	1.6	44
23	A Disposable Microfluidic Device for Controlled Drug Release from Thermal-Sensitive Liposomes by High Intensity Focused Ultrasound. Theranostics, 2015, 5, 1203-1213.	4.6	42
24	Brain Delivery of Curcumin Through Low-Intensity Ultrasound-Induced Bloodâ€“Brain Barrier Opening via Lipid-PLGA Nanobubbles. International Journal of Nanomedicine, 2021, Volume 16, 7433-7447.	3.3	38
25	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. Biomaterials, 2017, 141, 50-62.	5.7	37
26	Mechanisms of enhanced antiglioma efficacy of polysorbate 80â€modified paclitaxelâ€loaded PLGA nanoparticles by focused ultrasound. Journal of Cellular and Molecular Medicine, 2018, 22, 4171-4182.	1.6	37
27	Association Between Assisted Reproductive Technology and Cardiac Alteration at Age 5 Years. JAMA Pediatrics, 2015, 169, 603.	3.3	35
28	Theranostic nanosensitizers for highly efficient <scp>MR</scp>/fluorescence imagingâ€guided sonodynamic therapy of gliomas. Journal of Cellular and Molecular Medicine, 2018, 22, 5394-5405.	1.6	34
29	A Lipopeptide-Based Î±vÎ²3 Integrin-Targeted Ultrasound Contrast Agent for Molecular Imaging of Tumor Angiogenesis. Ultrasound in Medicine and Biology, 2015, 41, 2765-2773.	0.7	32
30	Template-Free Synthesis of Hollow/Porous Organosilicaâ€“Fe₃O₄ Hybrid Nanocapsules toward Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound Therapy. ACS Applied Materials & Interfaces, 2016, 8, 29986-29996.	4.0	32
31	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.	4.6	32
32	A Novel Cationic Microbubble Coated with Stearic Acid-Modified Polyethylenimine to Enhance DNA Loading and Gene Delivery by Ultrasound. PLoS ONE, 2013, 8, e76544.	1.1	29
33	FÃ¶rster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for In Situ Visualization of Cancer Photothermal Therapy. Theranostics, 2018, 8, 410-422.	4.6	26
34	Coordinated Î²-glucosidase activity with the cellulosome is effective for enhanced lignocellulose saccharification. Bioresource Technology, 2021, 337, 125441.	4.8	26
35	Realâ€Time Imaging Tracking of Engineered Macrophages as Ultrasoundâ€Triggered Cell Bombs for Cancer Treatment. Advanced Functional Materials, 2020, 30, 1910304.	7.8	24
36	Ultrasound-Induced Blood-Brain-Barrier Opening Enhances Anticancer Efficacy in the Treatment of Glioblastoma: Current Status and Future Prospects. Journal of Oncology, 2019, 2019, 1-9.	0.6	23

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37	Ultrasound molecular imaging-guided tumor gene therapy through dual-targeted cationic microbubbles. Biomaterials Science, 2021, 9, 2454-2466.	2.6	21
38	Sensitization of nerve cells to ultrasound stimulation through Piezo1-targeted microbubbles. Ultrasonics Sonochemistry, 2021, 73, 105494.	3.8	20
39	Tumor-penetrating Peptide-integrated Thermally Sensitive Liposomal Doxorubicin Enhances Efficacy of Radiofrequency Ablation in Liver Tumors. Radiology, 2017, 285, 462-471.	3.6	19
40	Targeted Delivery of Liposomal Temozolomide Enhanced Anti-Glioblastoma Efficacy through Ultrasound-Mediated Bloodâ€“Brain Barrier Opening. Pharmaceutics, 2021, 13, 1270.	2.0	19
41	Early Detection and Reversal of Cell Apoptosis Induced by Focused Ultrasound-Mediated Bloodâ€“Brain Barrier Opening. ACS Nano, 2021, 15, 14509-14521.	7.3	19
42	On-line modeling intracellular carbon and energy metabolism of Nannochloropsis sp. in nitrogen-repletion and nitrogen-limitation cultures. Bioresource Technology, 2014, 164, 86-92.	4.8	18
43	Ultrasound molecular imaging for differentiation of benign and malignant tumors in patients. Quantitative Imaging in Medicine and Surgery, 2018, 8, 1083-1083.	1.1	18
44	Advances in mechanism studies on ultrasonic gene delivery at cellular level. Progress in Biophysics and Molecular Biology, 2019, 142, 1-9.	1.4	17
45	Focused Ultrasound Improves NK-92MI Cells Infiltration Into Tumors. Frontiers in Pharmacology, 2019, 10, 326.	1.6	17
46	Ultrasonic Imaging of Endothelial CD81 Expression Using CD81-Targeted Contrast Agents in InÂVitro and InÂVivo Studies. Ultrasound in Medicine and Biology, 2012, 38, 670-680.	0.7	16
47	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.	0.5	15
48	Minimally invasive perventricular versus open surgical ventricular septal defect closure in infants and children: a randomised clinical trial. Heart, 2018, 104, 2035-2043.	1.2	15
49	Background-suppressed tumor-targeted photoacoustic imaging using bacterial carriers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	14
50	Ultrasound Molecular Imaging of Vascular Endothelial Growth Factor Receptor 2 Expression for Endometrial Receptivity Evaluation. Theranostics, 2015, 5, 206-217.	4.6	13
51	Ultrasound imaging tracking of mesenchymal stem cells intracellularly labeled with biosynthetic gas vesicles for treatment of rheumatoid arthritis. Theranostics, 2022, 12, 2370-2382.	4.6	12
52	Magnetic Resonance Imaging of Atherosclerosis Using CD81-Targeted Microparticles of Iron Oxide in Mice. BioMed Research International, 2015, 2015, 1-10.	0.9	11
53	PIEZO channel protein naturally expressed in human breast cancer cell MDA-MB-231 as probed by atomic force microscopy. AIP Advances, 2018, 8, 055101.	0.6	11
54	Adenovirus-mediated combined anti-angiogenic and pro-apoptotic gene therapy enhances antitumor efficacy in hepatocellular carcinoma. Oncology Letters, 2013, 5, 348-354.	0.8	10

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55	A novel dual-targeted ultrasound contrast agent provides improvement of gene delivery efficiency in vitro. Tumor Biology, 2016, 37, 8609-8619.	0.8	10
56	Preparation and characterization of a novel silicon-modified nanobubble. PLoS ONE, 2017, 12, e0178031.	1.1	10
57	Ultrasound-triggered drug delivery for glioma therapy through gambogic acid-loaded nanobubble-microbubble complexes. Biomedicine and Pharmacotherapy, 2022, 150, 113042.	2.5	10
58	Biosynthetic Gas Vesicles from Halobacteria NRC-1: A Potential Ultrasound Contrast Agent for Tumor Imaging. Pharmaceutics, 2022, 14, 1198.	2.0	9
59	A Novel Microfluidic Chip for Assessing Dynamic Adhesion Behavior of Cell-Targeting Microbubbles. Ultrasound in Medicine and Biology, 2014, 40, 148-157.	0.7	8
60	InVivoMolecular Ultrasound Assessment of Glioblastoma Neovasculature with Endoglin-Targeted Microbubbles. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.4	8
61	Ultrasound Molecular Imaging for Multiple Biomarkers by Serial Collapse of Targeting Microbubbles with Distinct Acoustic Pressures. Small, 2022, 18, e2108040.	5.2	8
62	Ultrasound Molecular Imaging of Lymphocyte-endothelium Adhesion Cascade in Acute Cellular Rejection of Cardiac Allografts. Transplantation, 2019, 103, 1603-1611.	0.5	7
63	Effect of Gambogic Acidâ€"Loaded Porous-Lipid/PLGA Microbubbles in Combination With Ultrasound-Triggered Microbubble Destruction on Human Glioma. Frontiers in Bioengineering and Biotechnology, 2021, 9, 711787.	2.0	7
64	Bionic Microbubble Neutrophil Composite for Inflammation-Responsive Atherosclerotic Vulnerable Plaque Pluripotent Intervention. Research, 2022, 2022, .	2.8	7
65	3D selfâ€gated cardiac cine imaging at 3 Tesla using stackâ€ofâ€stars bSSFP with tiny golden angles and compressed sensing. Magnetic Resonance in Medicine, 2019, 81, 3234-3244.	1.9	6
66	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.	1.5	5
67	Molecular Ultrasound Monitoring of Early Artery Injury After Carotid Balloon Angioplasty. Frontiers in Pharmacology, 2019, 9, 1569.	1.6	4
68	Early evaluation of survival of the transplanted ovaries through ultrasound molecular imaging via targeted nanobubbles. Biomaterials Science, 2020, 8, 5402-5414.	2.6	4
69	Ultrasound monitoring of magnet-guided delivery of mesenchymal stem cells labeled with magnetic lipidâ€"polymer hybrid nanobubbles. Biomaterials Science, 2020, 8, 3628-3639.	2.6	4
70	Tumor Restrictive Suicide Gene Therapy for Glioma Controlled by the FOS Promoter. PLoS ONE, 2015, 10, e0143112.	1.1	4
71	Pre-transplantation of Bone Marrow Mesenchymal Stem Cells Amplifies the Therapeutic Effect of Ultrasound-Targeted Microbubble Destructionâ€"Mediated Localized Combined Gene Therapy in Postâ€"Myocardial Infarction Heart Failure Rats. Ultrasound in Medicine and Biology, 2022, 48, 830-845.	0.7	4
72	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.	1.1	3

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73	An acoustic field-based conformal transfection system for improving the gene delivery efficiency. Biomaterials Science, 2021, 9, 4127-4138.	2.6	3
74	Eltrombopag in the treatment of patients with persistent thrombocytopenia after haploidentical peripheral blood stem cell transplantation: a single-center experience. Annals of Hematology, 2022, 101, 397-408.	0.8	3
75	Acoustic Characteristics of Biosynthetic Bubbles for Ultrasound Contrast Imaging. Langmuir, 2019, 35, 10213-10222.	1.6	2
76	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, 290-290.	0.7	2
77	Self-assembled <scp>d</scp>-arginine derivatives based on click chemical reactions for intracellular codelivery of antigens and adjuvants for potential immunotherapy. Journal of Materials Chemistry B, 2022, 10, 3491-3500.	2.9	2
78	Therapeutic effect of paclitaxel liposomes delivered by ultrasound with microbubbles on nude mice bearing intracranial glioblastoma xenografts monitored by bioluminescence imaging. , 2016, , .		0
79	Relaxation of competing electromechanical couplings in murine artery. Applied Physics Letters, 2020, 117, 143701.	1.5	0