

# Chih-Kuang Yeh

## List of Publications by Year in descending order

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174  
papers

5,252  
citations

76031

42  
h-index

116156

66  
g-index

175  
all docs

175  
docs citations

175  
times ranked

6322  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound-guided system for light focusing using microbubbles generated from polytetrafluoroethylene nanoparticles. <i>Applied Physics Letters</i> , 2022, 120, 053701.	1.5	0
2	Ultrasound-activated nanomaterials for sonodynamic cancer theranostics. <i>Drug Discovery Today</i> , 2022, 27, 1590-1603.	3.2	18
3	Overcoming Hypoxia-Induced Drug Resistance via Promotion of Drug Uptake and Reoxygenation by Acousto-Mechanical Oxygen Delivery. <i>Pharmaceutics</i> , 2022, 14, 902.	2.0	3
4	Exploring the Acoustic and Dynamic Characteristics of Phase-Change Droplets. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1051-1061.	1.7	2
5	3-D Ultrafast Ultrasound Imaging of Microbubbles Trapped Using an Acoustic Vortex. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 3507-3514.	1.7	5
6	Gelatin scaffold with multifunctional curcumin-loaded lipid-PLGA hybrid microparticles for regenerating corneal endothelium. <i>Materials Science and Engineering C</i> , 2021, 120, 111753.	3.8	20
7	Sonogenetic Modulation of Cellular Activities in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2021, 2312, 109-124.	0.4	1
8	Oscillatory behavior of microbubbles impacts efficacy of cellular drug delivery. <i>Journal of Controlled Release</i> , 2021, 333, 316-327.	4.8	12
9	Ultrasonic technologies in imaging and drug delivery. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6119-6141.	2.4	14
10	Sonogenetic-Based Neuromodulation for the Amelioration of Parkinson's Disease. <i>Nano Letters</i> , 2021, 21, 5967-5976.	4.5	19
11	Dynamic Ultrasound Assessment of Median Nerve Mobility Changes Following Corticosteroid Injection and Carpal Tunnel Release in Patients With Carpal Tunnel Syndrome. <i>Frontiers in Neurology</i> , 2021, 12, 710511.	1.1	6
12	Tornado-inspired acoustic vortex tweezer for trapping and manipulating microbubbles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
13	The Impact of Surface Drug Distribution on the Acoustic Behavior of DOX-Loaded Microbubbles. <i>Pharmaceutics</i> , 2021, 13, 2080.	2.0	3
14	Monitoring of acoustic cavitation in microbubble-presented focused ultrasound exposure using gradient-echo MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 311-318.	1.9	2
15	Sonogenetic Modulation of Cellular Activities Using an Engineered Auditory-Sensing Protein. <i>Nano Letters</i> , 2020, 20, 1089-1100.	4.5	52
16	Superhydrophobic drug-loaded mesoporous silica nanoparticles capped with $\beta$ -cyclodextrin for ultrasound image-guided combined antivasculature and chemo-sonodynamic therapy. <i>Biomaterials</i> , 2020, 232, 119723.	5.7	64
17	Ultrasound with microbubbles improves memory, ameliorates pathology and modulates hippocampal proteomic changes in a triple transgenic mouse model of Alzheimer's disease. <i>Theranostics</i> , 2020, 10, 11794-11819.	4.6	55
18	Improvement of light penetration in biological tissue using an ultrasound-induced heating tunnel. <i>Scientific Reports</i> , 2020, 10, 17406.	1.6	11

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19	Near Infrared-Activatable Platinum-Decorated Gold Nanostars for Synergistic Photothermal/Ferroptotic Therapy in Combating Cancer Drug Resistance. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000864.	3.9	36
20	Dual-Frequency Chirp Excitation for Passive Cavitation Imaging in the Brain. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1127-1140.	1.7	4
21	Development of a Novel Hanging Drop Platform for Engineering Controllable 3D Microenvironments. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 327.	1.8	31
22	Ultrasonic Transdermal Delivery System with Acid-Base Neutralization-Generated CO <sub>2</sub> Microbubble Cavitation. <i>ACS Applied Bio Materials</i> , 2020, 3, 1968-1975.	2.3	3
23	Targeted delivery of engineered auditory sensing protein for ultrasound neuromodulation in the brain. <i>Theranostics</i> , 2020, 10, 3546-3561.	4.6	21
24	A preliminary study of Parkinson's gene therapy via sono-magnetic sensing gene vector for conquering extra/intracellular barriers in mice. <i>Brain Stimulation</i> , 2020, 13, 786-799.	0.7	18
25	Characterization of limb lymphedema using the statistical analysis of ultrasound backscattering. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 48-56.	1.1	8
26	Ultrasound in tumor immunotherapy: Current status and future developments. <i>Journal of Controlled Release</i> , 2020, 323, 12-23.	4.8	55
27	Efficacy of Quantitative Muscle Ultrasound Using Texture-Feature Parametric Imaging in Detecting Pompe Disease in Children. <i>Entropy</i> , 2019, 21, 714.	1.1	7
28	Normalization of Tumor Vasculature by Oxygen Microbubbles with Ultrasound. <i>Theranostics</i> , 2019, 9, 7370-7383.	4.6	44
29	Metabolic Characteristics of a Novel Ultrasound Quantitative Diagnostic Index for Nonalcoholic Fatty Liver Disease. <i>Scientific Reports</i> , 2019, 9, 7922.	1.6	6
30	Ultrasound imaging in nonalcoholic liver disease: current applications and future developments. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 546-551.	1.1	18
31	Focused ultrasound-induced blood brain-barrier opening enhanced vascular permeability for GDNF delivery in Huntington's disease mouse model. <i>Brain Stimulation</i> , 2019, 12, 1143-1150.	0.7	40
32	Concurrent Osteosarcoma Theranostic Strategy Using Contrast-Enhanced Ultrasound and Drug-Loaded Bubbles. <i>Pharmaceutics</i> , 2019, 11, 223.	2.0	16
33	Enhancing Boron Uptake in Brain Glioma by a Boron-Polymer/Microbubble Complex with Focused Ultrasound. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11144-11156.	4.0	39
34	Macrophages as Drug Delivery Carriers for Acoustic Phase-Change Droplets. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1468-1481.	0.7	21
35	Camptothecin-loaded fusogenic nanodroplets as ultrasound theranostic agent in stem cell-mediated drug-delivery system. <i>Journal of Controlled Release</i> , 2018, 278, 100-109.	4.8	23
36	Roles of Textural and Surface Properties of Nanoparticles in Ultrasound-Responsive Systems. <i>Langmuir</i> , 2018, 34, 1256-1265.	1.6	12

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37	Synthesis and biological characterization of novel rose bengal derivatives with improved amphiphilicity for sono-photodynamic therapy. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 86-95.	2.6	69
38	Spatially Uniform Tumor Treatment and Drug Penetration by Regulating Ultrasound with Microbubbles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17784-17791.	4.0	38
39	Hepatic Steatosis Assessment with Ultrasound Small-Window Entropy Imaging. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1327-1340.	0.7	50
40	Ultrasound Entropy Imaging of Nonalcoholic Fatty Liver Disease: Association with Metabolic Syndrome. <i>Entropy</i> , 2018, 20, 893.	1.1	23
41	Spatial-Temporal Cellular Bioeffects from Acoustic Droplet Vaporization. <i>Theranostics</i> , 2018, 8, 5731-5743.	4.6	21
42	Thermal-sensitive acoustic droplets for dual-mode ultrasound imaging and drug delivery. <i>Journal of Controlled Release</i> , 2018, 291, 26-36.	4.8	19
43	Theranostic nanosensitizers for highly efficient MR-guided fluorescence imaging-guided sonodynamic therapy of gliomas. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5394-5405.	1.6	34
44	Ultrasound-Enhanced Protective Effect of Tetramethylpyrazine via the ROS/HIF-1A Signaling Pathway in an in Vitro Cerebral Ischemia/Reperfusion Injury Model. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1786-1798.	0.7	13
45	Assessment of temporary cerebral effects induced by focused ultrasound with optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2018, 9, 507.	1.5	6
46	Real-time monitoring of inertial cavitation effects of microbubbles by using MRI: In vitro experiments. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 102-111.	1.9	4
47	Ultrasound-Induced Magnetic Imaging of Tumors Targeted by Biofunctional Magnetic Nanoparticles. <i>ACS Nano</i> , 2017, 11, 3030-3037.	7.3	18
48	Angiogenesis-targeting microbubbles combined with ultrasound-mediated gene therapy in brain tumors. <i>Journal of Controlled Release</i> , 2017, 255, 164-175.	4.8	64
49	Characterization of Different Microbubbles in Assisting Focused Ultrasound-Induced Blood-Brain Barrier Opening. <i>Scientific Reports</i> , 2017, 7, 46689.	1.6	96
50	Superhydrophobic silica nanoparticles as ultrasound contrast agents. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 262-269.	3.8	53
51	Current progress in antivasular tumor therapy. <i>Drug Discovery Today</i> , 2017, 22, 1503-1515.	3.2	35
52	C-Phycocyanin as a tumour-associated macrophage-targeted photosensitiser and a vehicle of phthalocyanine for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2017, 53, 4112-4115.	2.2	30
53	A tumor-targeted activatable phthalocyanine-tetrapeptide-doxorubicin conjugate for synergistic chemo-photodynamic therapy. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 200-209.	2.6	59
54	Manipulating Cellular Activities Using an Ultrasound-Chemical Hybrid Tool. <i>ACS Synthetic Biology</i> , 2017, 6, 2021-2027.	1.9	8

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55	Ultrasound targeted CNS gene delivery for Parkinson's disease treatment. <i>Journal of Controlled Release</i> , 2017, 261, 246-262.	4.8	68
56	Concurrent anti-vascular therapy and chemotherapy in solid tumors using drug-loaded acoustic nanodroplet vaporization. <i>Acta Biomaterialia</i> , 2017, 49, 472-485.	4.1	46
57	Notice of Removal: Ultrasound-chemical hybrid system for manipulating cellular activities. , 2017, , .		0
58	Notice of Removal: A preliminary study of Amorphous calcium carbonate-Doxorubicin nanoparticles (ACC-DOX NPs) for ultrasound therapeutics. , 2017, , .		0
59	Notice of Removal: Concurrent anti-vascular, sonodynamic and chemo therapy in solid tumors by superhydrophobic dox-loaded nanoparticles. , 2017, , .		0
60	Notice of Removal: Feasibility study of dual-frequency chirp excitation for passive cavitation imaging. , 2017, , .		0
61	Notice of Removal: Bioeffects of acoustic droplet vaporization-generated bubbles in tissue. , 2017, , .		0
62	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, Volume 12, 5613-5629.	3.3	81
63	Theranostic Performance of Acoustic Nanodroplet Vaporization-Generated Bubbles in Tumor Intertissue. <i>Theranostics</i> , 2017, 7, 1477-1488.	4.6	42
64	Drug-carrying microbubbles as a theranostic tool in convection-enhanced delivery for brain tumor therapy. <i>Oncotarget</i> , 2017, 8, 42359-42371.	0.8	15
65	Microbubbles: A Novel Strategy for Chemotherapy. <i>Current Pharmaceutical Design</i> , 2017, 23, 3383-3390.	0.9	20
66	Improving Nanoparticle Penetration in Tumors by Vascular Disruption with Acoustic Droplet Vaporization. <i>Theranostics</i> , 2016, 6, 392-403.	4.6	99
67	Ultrasound/Magnetic Targeting with SPIO-DOX-Microbubble Complex for Image-Guided Drug Delivery in Brain Tumors. <i>Theranostics</i> , 2016, 6, 1542-1556.	4.6	108
68	Noninvasive, Targeted and Non-Viral Ultrasound-Mediated GDNF-Plasmid Delivery for Treatment of Parkinson's Disease. <i>Scientific Reports</i> , 2016, 6, 19579.	1.6	91
69	Non-invasive, neuron-specific gene therapy by focused ultrasound-induced blood-brain barrier opening in Parkinson's disease mouse model. <i>Journal of Controlled Release</i> , 2016, 235, 72-81.	4.8	119
70	Folate-conjugated gene-carrying microbubbles with focused ultrasound for concurrent blood-brain barrier opening and local gene delivery. <i>Biomaterials</i> , 2016, 106, 46-57.	5.7	88
71	SPIO-DOX-microbubble complex with ultrasound for MRI image-guided drug delivery in a rat glioma model. , 2016, , .		0
72	Template-based formation of ultrasound microbubble contrast agents. <i>RSC Advances</i> , 2016, 6, 69185-69190.	1.7	2

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73	Superhydrophobic mesoporous silica nanoparticles as ultrasound contrast agents. , 2016, , .		0
74	Focused Ultrasound-Induced Blood-Brain Barrier Opening: Association with Mechanical Index and Cavitation Index Analyzed by Dynamic Contrast-Enhanced Magnetic-Resonance Imaging. Scientific Reports, 2016, 6, 33264.	1.6	93
75	Multifeature analysis of an ultrasound quantitative diagnostic index for classifying nonalcoholic fatty liver disease. Scientific Reports, 2016, 6, 35083.	1.6	30
76	Inertial cavitation initiated by polytetrafluoroethylene nanoparticles under pulsed ultrasound stimulation. Ultrasonics Sonochemistry, 2016, 32, 1-7.	3.8	39
77	Assessment of Median Nerve Mobility by Ultrasound Dynamic Imaging for Diagnosing Carpal Tunnel Syndrome. PLoS ONE, 2016, 11, e0147051.	1.1	49
78	High-speed fluorescence microscopy of near-wall shedding of drug-lipid complexes from phase-change droplets. , 2015, , .		0
79	Transverse manipulation of microbubbles using acoustic-vortex tweezers. , 2015, , .		2
80	Biomimetic Acoustically-Responsive Vesicles for Theranostic Applications. Theranostics, 2015, 5, 1264-1274.	4.6	32
81	Ultrasound-triggered and targeted gene delivery by using cationic microbubbles to enhance GDNF gene transfection in a rat Parkinson's disease model. , 2015, , .		0
82	Improvement of drug penetration in solid tumors by vascular disruption with acoustic nanodroplet vaporization. , 2015, , .		0
83	Drug-loaded bubbles with matched focused ultrasound excitation for concurrent blood-brain barrier opening and brain-tumor drug delivery. Acta Biomaterialia, 2015, 15, 89-101.	4.1	67
84	Focused ultrasound-induced blood-brain barrier opening for non-viral, non-invasive, and targeted gene delivery. Journal of Controlled Release, 2015, 212, 1-9.	4.8	79
85	Internal polymer scaffolding in lipid-coated microbubbles for control of inertial cavitation in ultrasound theranostics. Journal of Materials Chemistry B, 2015, 3, 5938-5941.	2.9	12
86	Targeted tumor theranostics using folate-conjugated and camptothecin-loaded acoustic nanodroplets in a mouse xenograft model. Biomaterials, 2015, 53, 699-708.	5.7	50
87	Carpal Tunnel Syndrome: US Strain Imaging for Diagnosis. Radiology, 2015, 275, 205-214.	3.6	36
88	Tumortropic monocyte-mediated delivery of echogenic polymer bubbles and therapeutic vesicles for chemotherapy of tumor hypoxia. Biomaterials, 2015, 71, 71-83.	5.7	92
89	Contrast-Enhanced Ultrasound Imaging for the Detection of Focused Ultrasound-Induced Blood-Brain Barrier Opening. Theranostics, 2014, 4, 1014-1025.	4.6	43
90	Effects of ultrasound parameters on the acoustic characteristics of phase-change droplets. , 2014, , .		0

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91	Microbubble-enhanced Focused Ultrasound-induced Blood–Brain Barrier Opening for Local and Transient Drug Delivery in Central Nervous System Disease. <i>Journal of Medical Ultrasound</i> , 2014, 22, 183-193.	0.2	22
92	High-speed fluorescence imaging of ultrasound-triggered drug release from phase-change droplets. , 2014, , .		1
93	Regulating nonlinear properties of lipid-coated microbubbles using polymer network scaffolds for ultrasound drug delivery applications. , 2014, , .		0
94	Combining Microbubbles and Ultrasound for Drug Delivery to Brain Tumors: Current Progress and Overview. <i>Theranostics</i> , 2014, 4, 432-444.	4.6	229
95	Ultrasound-mediated gene delivery by using folic acid-modified cationic microbubbles. , 2014, , .		0
96	Fabrication of through-silicon vias (TSV) by nickel electroplating in supercritical CO <sub>2</sub> . , 2014, , .		2
97	Discrimination of breast microcalcifications using a strain-compounding technique with ultrasound speckle factor imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014, 61, 955-965.	1.7	6
98	Skin-scanning technique for superficial blood flow imaging using a high-frequency ultrasound system. <i>Ultrasonics</i> , 2014, 54, 241-246.	2.1	8
99	Characterization of Acoustic Droplet Vaporization for Control of Bubble Generation Under Flow Conditions. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 551-561.	0.7	38
100	Mechanical bioeffects of acoustic droplet vaporization in vessel-mimicking phantoms. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1866-1874.	3.8	47
101	Submicron-Bubble-Enhanced Focused Ultrasound for Blood–Brain Barrier Disruption and Improved CNS Drug Delivery. <i>PLoS ONE</i> , 2014, 9, e96327.	1.1	63
102	Paclitaxel-liposome–microbubble complexes as ultrasound-triggered therapeutic drug delivery carriers. <i>Journal of Controlled Release</i> , 2013, 166, 246-255.	4.8	213
103	Dynamic perfusion assessment by contrast-enhanced ultrasound in blood-brain barrier disruption. , 2013, 2013, 1152-5.		5
104	Controlling the Size Distribution of Lipid-Coated Bubbles via Fluidity Regulation. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 882-892.	0.7	10
105	A Preclinical Study to Explore Vasculature Differences Between Primary and Recurrent Tumors Using Ultrasound Doppler Imaging. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 860-869.	0.7	11
106	SPIO-conjugated, doxorubicin-loaded microbubbles for concurrent MRI and focused-ultrasound enhanced brain-tumor drug delivery. <i>Biomaterials</i> , 2013, 34, 3706-3715.	5.7	203
107	Superparamagnetic iron oxide and drug complex-embedded acoustic droplets for ultrasound targeted theranosis. <i>Biomaterials</i> , 2013, 34, 1852-1861.	5.7	42
108	Antiangiogenic-targeting drug-loaded microbubbles combined with focused ultrasound for glioma treatment. <i>Biomaterials</i> , 2013, 34, 2142-2155.	5.7	124

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109	Trapping of a mie sphere by acoustic pulses: effects of pulse length. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1487-1497.	1.7	9
110	Contrast-enhanced ultrasound imaging for the detection of transient dynamics of blood-brain barrier opening induced by focused ultrasound. , 2013, , .		0
111	High-sensitivity distribution mapping of iron, zinc and copper during spio-microbubbles facilitated focused ultrasound induced blood-brain barrier opening via laser ablation/inductively coupled plasma mass spectrometry. , 2013, , .		0
112	Assessment of median nerve mobility by ultrasound dynamic imaging in carpal tunnel syndrome diagnosis. , 2013, , .		1
113	Using microbubbles as an MRI contrast agent for the measurement of cerebral blood volume. NMR in Biomedicine, 2013, 26, 1540-1546.	1.6	1
114	Redox nanoparticle treatment protects against neurological deficit in focused ultrasound-induced intracerebral hemorrhage. Nanomedicine, 2012, 7, 1029-1043.	1.7	58
115	Characterization of tumor vasculature distributions in central and peripheral regions based on Doppler ultrasound. Medical Physics, 2012, 39, 7490-7498.	1.6	8
116	Carpal tunnel syndrome diagnosis by a self-normalization process and ultrasound compound imaging. Medical Physics, 2012, 39, 7402-7411.	1.6	4
117	Superparamagnetic iron oxide/drug complex-embedded droplets for Bi-model imaging and enhanced targeted therapy. , 2012, , .		1
118	Effects of acoustic parameters on acoustically-vaporized droplets under dynamics flow conditions. , 2012, , .		0
119	DNA-conjugated gold nanoparticles for ultrasound targeted drug delivery. , 2012, , .		2
120	Superparamagnetic iron-oxide drug-loading microbubbles for concurrent magnetic resonance imaging monitoring and focused-ultrasound enhanced brain-tumor drug delivery. , 2012, , .		0
121	Erosion of tissue-mimicking phantom by acoustic droplet vaporization. , 2012, , .		0
122	Targeted drug-loading microbubbles with focused ultrasound induced blood-brain barrier disruption for glioma treatment. , 2012, , .		0
123	Detection of Intracerebral Hemorrhage and Transient Blood-Supply Shortage in Focused-Ultrasound-Induced Blood-Brain Barrier Disruption by Ultrasound Imaging. Ultrasound in Medicine and Biology, 2012, 38, 1372-1382.	0.7	51
124	Strain-compounding technique with ultrasound Nakagami imaging for distinguishing between benign and malignant breast tumors. Medical Physics, 2012, 39, 2325-2333.	1.6	25
125	Rapid Transformation of Protein-Caged Nanomaterials into Microbubbles As Bimodal Imaging Agents. ACS Nano, 2012, 6, 5111-5121.	7.3	23
126	Concurrent blood-brain barrier opening and local drug delivery using drug-carrying microbubbles and focused ultrasound for brain glioma treatment. Biomaterials, 2012, 33, 704-712.	5.7	239

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127	Aptamer-conjugated and drug-loaded acoustic droplets for ultrasound theranosis. <i>Biomaterials</i> , 2012, 33, 1939-1947.	5.7	177
128	Phantom investigation of phase-inversion-based dual-frequency excitation imaging for improved contrast display. <i>Ultrasonics</i> , 2012, 52, 25-32.	2.1	1
129	Ultrasound microbubble contrast agents for diagnostic and therapeutic applications : current status and future design. <i>Biomedical Journal</i> , 2012, 35, 125.	1.4	43
130	Feasibility study of using macrophages as drug delivery carriers for drug-loaded phase-change droplets. , 2011, , .		0
131	Delivery of drug-loaded microbubbles and disruption of blood-brain barrier by focused ultrasound in a xenograft rat glioma model. , 2011, , .		1
132	Aptamer-Conjugated Nanobubbles for Targeted Ultrasound Molecular Imaging. <i>Langmuir</i> , 2011, 27, 6971-6976.	1.6	76
133	Texture Feature Analysis for Breast Ultrasound Image Enhancement. <i>Ultrasonic Imaging</i> , 2011, 33, 264-278.	1.4	14
134	Intracellular Acoustic Droplet Vaporization in a Single Peritoneal Macrophage for Drug Delivery Applications. <i>Langmuir</i> , 2011, 27, 13183-13188.	1.6	59
135	Classification of scattering media within benign and malignant breast tumors based on ultrasound textureâ€œfeatureâ€œbased and Nakagamiâ€œparameter images. <i>Medical Physics</i> , 2011, 38, 2198-2207.	1.6	64
136	Assessment of tumor vasculature for diagnostic and therapeutic applications in a mouse model in vivo using 25-MHz power Doppler imaging. <i>Ultrasonics</i> , 2011, 51, 925-931.	2.1	18
137	A Simple Method for Quantifying Ultrasound-Triggered Microbubble Destruction. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 949-957.	0.7	38
138	A maleimide-based in-vitro model for ultrasound targeted imaging. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 327-333.	3.8	18
139	Dual-frequency chirp imaging for contrast detection. <i>Physics in Medicine and Biology</i> , 2011, 56, 2767-2778.	1.6	8
140	Using fluidity regulation to control size distribution of lipid-coated bubbles. , 2011, , .		1
141	Acoustically-triggered droplet vaporization in macrophages for hypoxic-tumor therapy. , 2011, , .		0
142	A targeting therapy strategy by aptamer-conjugated and drug-loaded droplets. , 2011, , .		0
143	Focused Ultrasound with Submicron Bubbles Producing Inertial Cavitation Suppression in Blood-Brain Barrier Opening Application. , 2011, , .		3
144	Characterize the vasculatures distribution of murine tumors between center and peripheral regions based on doppler ultrasound and immunofluorescent analysis. , 2011, , .		0

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145	Classification of Benign and Malignant Breast Tumors by 2-D Analysis Based on Contour Description and Scatterer Characterization. IEEE Transactions on Medical Imaging, 2010, 29, 513-522.	5.4	66
146	Dual-high-frequency ultrasound excitation on microbubble destruction volume. Ultrasonics, 2010, 50, 698-703.	2.1	7
147	Ultrasonic Nakagami Imaging: A Strategy to Visualize the Scatterer Properties of Benign and Malignant Breast Tumors. Ultrasound in Medicine and Biology, 2010, 36, 209-217.	0.7	68
148	Amplitude-Modulation Chirp Imaging for Contrast Detection. Ultrasound in Medicine and Biology, 2010, 36, 1535-1545.	0.7	6
149	Detection of transient ischemia and hemorrhage in blood-brain barrier disruption by high-frequency ultrasound imaging. , 2010, , .		0
150	Characterization of tumor vasculature derived from angiogenesis and vasculogenesis by high-frequency three-dimensional Doppler ultrasound. , 2010, , .		1
151	One-step covalently conjugated aptamer microbubbles for ultrasound targeted imaging. , 2010, , .		0
152	Dual-frequency excitation enhances targeted delivery of ultrasound microbubbles. , 2010, , .		1
153	Potential-well model in acoustic tweezers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1451-1459.	1.7	70
154	An integrated approach based on morphology, texture, and backscattering-statistics for distinguishing between benign and malignant breast. , 2010, , .		1
155	Classification of benign and malignant breast tumors by the contour analysis and scatterers characterization. , 2009, , .		2
156	Detection of blood-brain barrier disruption by contrast-enhanced high frequency ultrasound image: Small animals study. , 2009, , .		0
157	Microbubble destruction by dual-high-frequency ultrasound excitation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1113-1118.	1.7	11
158	In vivo imaging of blood flow in the mouse Achilles tendon using high-frequency ultrasound. Ultrasonics, 2009, 49, 226-230.	2.1	27
159	Phase-dependent dual-frequency contrast imaging. , 2009, , .		0
160	Effects of Acoustic Insonation Parameters on Ultrasound Contrast Agent Destruction. Ultrasound in Medicine and Biology, 2008, 34, 1281-1291.	0.7	42
161	Dual high-frequency difference excitation for contrast detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2164-2176.	1.7	17
162	Microcirculation volumetric flow assessment using high-resolution, contrast-assisted images. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 74-83.	1.7	21

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163	A compound ultrasound imaging strategy in carpal tunnel syndrome diagnosis. , 2008, , .		0
164	Microbubble detection by dual-high-frequency ultrasound excitation. , 2008, , .		0
165	Feasibility Exploration of Blood Flow Estimation by Contrast-Assisted Nakagami Imaging. Ultrasonic Imaging, 2008, 30, 133-150.	1.4	11
166	Classification of breast masses by ultrasonic Nakagami imaging: a feasibility study. Physics in Medicine and Biology, 2008, 53, 6027-6044.	1.6	64
167	A theoretical time-course model of acoustic tweezers: Pulse-wave mode. , 2008, , .		2
168	High-Resolution Functional Vascular Assessment With Ultrasound. IEEE Transactions on Medical Imaging, 2004, 23, 1263-1275.	5.4	25
169	Contrast-specific ultrasonic flow measurements based on both input and output time intensities. Ultrasound in Medicine and Biology, 2003, 29, 671-678.	0.7	15
170	Doppler Angle Estimation of Pulsatile Flows Using AR Modeling. Ultrasonic Imaging, 2002, 24, 65-80.	1.4	6
171	Doppler angle estimation using AR modeling. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 683-692.	1.7	13
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