

# Xiaobing Wang

## List of Publications by Year in descending order

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171  
papers

8,326  
citations

36271

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60583

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188  
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188  
docs citations

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times ranked

10133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright Aggregation-Induced Emission Dots for Targeted Synergetic NIR Fluorescence and NIR Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Materials</i> , 2018, 30, e1800766.	11.1	330
2	Through Scalp and Skull NIR Photothermal Therapy of Deep Orthotopic Brain Tumors with Precise Photoacoustic Imaging Guidance. <i>Advanced Materials</i> , 2018, 30, e1802591.	11.1	330
3	Molecular imaging-guided photothermal/photodynamic therapy against tumor by iRGD-modified indocyanine green nanoparticles. <i>Journal of Controlled Release</i> , 2016, 224, 217-228.	4.8	209
4	A Force to Be Reckoned With: A Review of Synthetic Microswimmers Powered by Ultrasound. <i>Small</i> , 2015, 11, 2836-2846.	5.2	188
5	Molecular Engineering of Conjugated Polymers for Biocompatible Organic Nanoparticles with Highly Efficient Photoacoustic and Photothermal Performance in Cancer Theranostics. <i>ACS Nano</i> , 2017, 11, 10124-10134.	7.3	182
6	Deep learning based classification of breast tumors with shear-wave elastography. <i>Ultrasonics</i> , 2016, 72, 150-157.	2.1	181
7	Precise Deciphering of Brain Vasculatures and Microscopic Tumors with Dual NIR Fluorescence and Photoacoustic Imaging. <i>Advanced Materials</i> , 2019, 31, e1902504.	11.1	181
8	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. <i>Nature Communications</i> , 2018, 9, 4777.	5.8	173
9	Phototheranostics: Active Targeting of Orthotopic Glioma Using Biomimetic Proteolipid Nanoparticles. <i>ACS Nano</i> , 2019, 13, 386-398.	7.3	157
10	The Mechanosensitive Ion Channel Piezo1 Significantly Mediates In Vitro Ultrasonic Stimulation of Neurons. <i>IScience</i> , 2019, 21, 448-457.	1.9	150
11	Activatable albumin-photosensitizer nanoassemblies for triple-modal imaging and thermal-modulated photodynamic therapy of cancer. <i>Biomaterials</i> , 2016, 93, 10-19.	5.7	140
12	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.	4.6	137
13	Single-Layer MoS <sub>2</sub> Nanosheets with Amplified Photoacoustic Effect for Highly Sensitive Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Functional Materials</i> , 2016, 26, 8715-8725.	7.8	136
14	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.	4.6	132
15	Multiregional radiomics features from multiparametric MRI for prediction of MGMT methylation status in glioblastoma multiforme: A multicentre study. <i>European Radiology</i> , 2018, 28, 3640-3650.	2.3	131
16	Biocompatible conjugated polymer nanoparticles for highly efficient photoacoustic imaging of orthotopic brain tumors in the second near-infrared window. <i>Materials Horizons</i> , 2017, 4, 1151-1156.	6.4	129
17	Focused ultrasound-augmented targeting delivery of nanosonosensitizers from homogenous exosomes for enhanced sonodynamic cancer therapy. <i>Theranostics</i> , 2019, 9, 5261-5281.	4.6	106
18	Monitoring the Opening and Recovery of the Blood-Brain Barrier with Noninvasive Molecular Imaging by Biodegradable Ultrasmall Cu <sub>2</sub> Se Nanoparticles. <i>Nano Letters</i> , 2018, 18, 4985-4992.	4.5	105

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19	Intravascular Optical-Resolution Photoacoustic Tomography with a 1.1 mm Diameter Catheter. PLoS ONE, 2014, 9, e92463.	1.1	103
20	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small Cu <sub>2</sub> Se nanoparticles. Nanoscale, 2019, 11, 7600-7608.	2.8	100
21	Manipulation of Mitophagy by "All-in-One" nanosensitizer augments sonodynamic glioma therapy. Autophagy, 2020, 16, 1413-1435.	4.3	99
22	Sinoporphyrin sodium triggered sono-photodynamic effects on breast cancer both in vitro and in vivo. Ultrasonics Sonochemistry, 2016, 31, 437-448.	3.8	97
23	Analysis of the <i>In Vivo</i> and <i>In Vitro</i> Effects of Photodynamic Therapy on Breast Cancer by Using a Sensitizer, Sinoporphyrin Sodium. Theranostics, 2015, 5, 772-786.	4.6	93
24	Ultrasound-Responsive Polymeric Micelles for Sonoporation-Assisted Site-Specific Therapeutic Action. ACS Applied Materials & Interfaces, 2017, 9, 25706-25716.	4.0	90
25	Sonoelastomics for Breast Tumor Classification: A Radiomics Approach with Clustering-Based Feature Selection on Sonoelastography. Ultrasound in Medicine and Biology, 2017, 43, 1058-1069.	0.7	89
26	Six Birds with One Stone: Versatile Nanoporphyrin for Single-Laser-Triggered Synergistic Phototheranostics and Robust Immune Activation. Advanced Materials, 2020, 32, e2004481.	11.1	89
27	Smart Hydrogel-Based DVDMS/bFGF Nanohybrids for Antibacterial Phototherapy with Multiple Damaging Sites and Accelerated Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 10156-10169.	4.0	84
28	IR-780 Dye as a Sonosensitizer for Sonodynamic Therapy of Breast Tumor. Scientific Reports, 2016, 6, 25968.	1.6	83
29	Image-Guided Hydrogen Gas Delivery for Protection from Myocardial Ischemia-Reperfusion Injury via Microbubbles. ACS Applied Materials & Interfaces, 2017, 9, 21190-21199.	4.0	83
30	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
31	Ultrasonic super-oscillation wave-packets with an acoustic meta-lens. Nature Communications, 2019, 10, 3411.	5.8	81
32	Indocyanine Green-holo-Transferrin Nanoassemblies for Tumor-Targeted Dual-Modal Imaging and Photothermal Therapy of Glioma. ACS Applied Materials & Interfaces, 2017, 9, 39249-39258.	4.0	80
33	Activatable Small-Molecule Photoacoustic Probes that Cross the Blood-Brain Barrier for Visualization of Copper(II) in Mice with Alzheimer's Disease. Angewandte Chemie - International Edition, 2019, 58, 12415-12419.	7.2	80
34	Differentiation of clear cell and non-clear cell renal cell carcinomas by all-relevant radiomics features from multiphase CT: a VHL mutation perspective. European Radiology, 2019, 29, 3996-4007.	2.3	78
35	Engineered gold/black phosphorus nanoplatforms with remodeling tumor microenvironment for sonoactivated catalytic tumor theranostics. Bioactive Materials, 2022, 10, 515-525.	8.6	73
36	Multiregional radiomics profiling from multiparametric MRI: Identifying an imaging predictor of IDH1 mutation status in glioblastoma. Cancer Medicine, 2018, 7, 5999-6009.	1.3	72

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37	Activatable NIR-II photoacoustic imaging and photochemical synergistic therapy of MRSA infections using miniature Au/Ag nanorods. <i>Biomaterials</i> , 2020, 251, 120092.	5.7	72
38	Focused Ultrasound-Enhanced Delivery of Biodegradable Multifunctional Nanoplatfoms for Imaging-Guided Brain Tumor Treatment. <i>Advanced Science</i> , 2018, 5, 1700474.	5.6	71
39	Enhanced drug delivery using sonoactivatable liposomes with membrane-embedded porphyrins. <i>Journal of Controlled Release</i> , 2018, 286, 358-368.	4.8	71
40	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.	4.8	69
41	Precise and programmable manipulation of microbubbles by two-dimensional standing surface acoustic waves. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	67
42	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, 109-116.	4.8	67
43	Rigid nanoparticle-based delivery of anti-cancer siRNA: Challenges and opportunities. <i>Biotechnology Advances</i> , 2014, 32, 831-843.	6.0	67
44	Ultrasound-mediated augmented exosome release from astrocytes alleviates amyloid- $\beta$ -induced neurotoxicity. <i>Theranostics</i> , 2021, 11, 4351-4362.	4.6	67
45	Current status and future perspectives of sonodynamic therapy in glioma treatment. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 592-599.	3.8	66
46	Ultrasound Facilitates Naturally Equipped Exosomes Derived from Macrophages and Blood Serum for Orthotopic Glioma Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14576-14587.	4.0	64
47	Photodynamic antimicrobial chemotherapy for <i>Staphylococcus aureus</i> and multidrug-resistant bacterial burn infection in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5915-5931.	3.3	61
48	Tumor targeting DVDMS-nanoliposomes for an enhanced sonodynamic therapy of gliomas. <i>Biomaterials Science</i> , 2019, 7, 985-994.	2.6	61
49	Sinoporphyrin sodium, a novel sensitizer, triggers mitochondrial-dependent apoptosis in ECA-109 cells via production of reactive oxygen species. <i>International Journal of Nanomedicine</i> , 2014, 9, 3077.	3.3	59
50	Ultrasmlal theranostic nanozymes to modulate tumor hypoxia for augmenting photodynamic therapy and radiotherapy. <i>Biomaterials Science</i> , 2020, 8, 973-987.	2.6	54
51	Self-assembled AIEgen nanoparticles for multiscale NIR-II vascular imaging. <i>Biomaterials</i> , 2021, 264, 120365.	5.7	54
52	Superhydrophobic silica nanoparticles as ultrasound contrast agents. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 262-269.	3.8	53
53	Biomimetic Nanocomposites Cloaked with Bioorthogonally Labeled Glioblastoma Cell Membrane for Targeted Multimodal Imaging of Brain Tumors. <i>Advanced Functional Materials</i> , 2020, 30, 2004346.	7.8	52
54	Antimicrobial properties of a new type of photosensitizer derived from phthalocyanine against planktonic and biofilm forms of <i>Staphylococcus aureus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 316-326.	1.3	51

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55	Protein-Modified CuS Nanotriangles: A Potential Multimodal Nanoplatfor for In Vivo Tumor Photoacoustic/Magnetic Resonance Dual-Modal Imaging. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601094.	3.9	50
56	Gypenosides Synergistically Enhances the Anti-Tumor Effect of 5-Fluorouracil on Colorectal Cancer In Vitro and In Vivo: A Role for Oxidative Stress-Mediated DNA Damage and p53 Activation. <i>PLoS ONE</i> , 2015, 10, e0137888.	1.1	50
57	A new sensitizer DVDMS combined with multiple focused ultrasound treatments: an effective antitumor strategy. <i>Scientific Reports</i> , 2015, 5, 17485.	1.6	49
58	Non-invasive ultrasonic neuromodulation of neuronal excitability for treatment of epilepsy. <i>Theranostics</i> , 2020, 10, 5514-5526.	4.6	49
59	Noninvasive Ultrasound Deep Brain Stimulation for the Treatment of Parkinson's Disease Model Mouse. <i>Research</i> , 2019, 2019, 1748489.	2.8	49
60	Recent Advances in Conjugated Polymer Nanoparticles for NIR-II Imaging and Therapy. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4241-4257.	2.0	47
61	Computer-Aided Diagnosis Based on Quantitative Elastographic Features with Supersonic Shear Wave Imaging. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 275-286.	0.7	46
62	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.	4.6	46
63	High-Specificity In Vivo Tumor Imaging Using Bioorthogonal NIR-II Nanoparticles. <i>Advanced Materials</i> , 2021, 33, e2102950.	11.1	46
64	Achromatic metasurfaces by dispersion customization for ultra-broadband acoustic beam engineering. <i>National Science Review</i> , 2022, 9, .	4.6	45
65	Quantification of Elastic Heterogeneity Using Contourlet-Based Texture Analysis in Shear-Wave Elastography for Breast Tumor Classification. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 588-600.	0.7	44
66	Ultrasound triggered image-guided drug delivery to inhibit vascular reconstruction via paclitaxel-loaded microbubbles. <i>Scientific Reports</i> , 2016, 6, 21683.	1.6	44
67	Ultrasound-triggered release of sinoporphyrin sodium from liposome-microbubble complexes and its enhanced sonodynamic toxicity in breast cancer. <i>Nano Research</i> , 2018, 11, 1038-1056.	5.8	44
68	Ultrasound Neuromodulation Inhibits Seizures in Acute Epileptic Monkeys. <i>iScience</i> , 2020, 23, 101066.	1.9	43
69	Role of Autophagy in Sonodynamic Therapy-Induced Cytotoxicity in S180 Cells. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 1933-1946.	0.7	42
70	A Disposable Microfluidic Device for Controlled Drug Release from Thermal-Sensitive Liposomes by High Intensity Focused Ultrasound. <i>Theranostics</i> , 2015, 5, 1203-1213.	4.6	42
71	Enhanced anti-tumor efficacy of hyaluronic acid modified nanocomposites combined with sonochemotherapy against subcutaneous and metastatic breast tumors. <i>Nanoscale</i> , 2019, 11, 11470-11483.	2.8	42
72	Highly Sensitive MoS <sub>2</sub> -Indocyanine Green Hybrid for Photoacoustic Imaging of Orthotopic Brain Glioma at Deep Site. <i>Nano-Micro Letters</i> , 2018, 10, 48.	14.4	41

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73	Nanostructural Control Enables Optimized Photoacousticâ€“Fluorescenceâ€“Magnetic Resonance Multimodal Imaging and Photothermal Therapy of Brain Tumor. <i>Advanced Functional Materials</i> , 2020, 30, 1907077.	7.8	41
74	On-chip targeted single cell sonoporation with microbubble destruction excited by surface acoustic waves. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	40
75	Metabolizable Near-Infrared-II Nanoprobes for Dynamic Imaging of Deep-Seated Tumor-Associated Macrophages in Pancreatic Cancer. <i>ACS Nano</i> , 2021, 15, 10010-10024.	7.3	40
76	Inertial cavitation initiated by polytetrafluoroethylene nanoparticles under pulsed ultrasound stimulation. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 1-7.	3.8	39
77	Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprobes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55624-55637.	4.0	39
78	Biologic Pathways Underlying Prognostic Radiomics Phenotypes from Paired MRI and RNA Sequencing in Glioblastoma. <i>Radiology</i> , 2021, 301, 654-663.	3.6	38
79	Microbubbles Enhance the Antitumor Effects of Sinoporphyrin Sodium Mediated Sonodynamic Therapy both In Vitro and In Vivo. <i>International Journal of Biological Sciences</i> , 2015, 11, 1401-1409.	2.6	37
80	Sensitivity to antitubulin chemotherapeutics is potentiated by a photoactivable nanoliposome. <i>Biomaterials</i> , 2017, 141, 50-62.	5.7	37
81	Mechanisms of enhanced antiglioma efficacy of polysorbate 80â€“modified paclitaxelâ€“loaded PLGA nanoparticles by focused ultrasound. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4171-4182.	1.6	37
82	Initiation of autophagy and apoptosis by sonodynamic therapy in murine leukemia L1210 cells. <i>Toxicology in Vitro</i> , 2013, 27, 1247-1259.	1.1	36
83	Sinoporphyrin sodium. <i>Anti-Cancer Drugs</i> , 2014, 25, 174-182.	0.7	36
84	Involvement of Mitochondrial and Reactive Oxygen Species in the Sonodynamic Toxicity of Chlorin e6 in Human Leukemia K562 Cells. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 990-1000.	0.7	35
85	Acoustic trapping of particle by a periodically structured stiff plate. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	34
86	Highly penetrative liposome nanomedicine generated by a biomimetic strategy for enhanced cancer chemotherapy. <i>Biomaterials Science</i> , 2018, 6, 1546-1555.	2.6	34
87	Dual-mode artificially-intelligent diagnosis of breast tumours in shear-wave elastography and B-mode ultrasound using deep polynomial networks. <i>Medical Engineering and Physics</i> , 2019, 64, 1-6.	0.8	34
88	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. <i>Research</i> , 2020, 2020, 4074593.	2.8	33
89	A Lipopeptide-Based Î±vÎ²3 Integrin-Targeted Ultrasound Contrast Agent for Molecular Imaging of Tumor Angiogenesis. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2765-2773.	0.7	32
90	Template-Free Synthesis of Hollow/Porous Organosilicaâ€“Fe <sub>3</sub> O <sub>4</sub> Hybrid Nanocapsules toward Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29986-29996.	4.0	32

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91	Core-shell zeolite Y with ant-nest like hollow interior constructed by amino acids and enhanced catalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20757-20764.	5.2	32
92	Cell membrane based biomimetic nanocomposites for targeted therapy of drug resistant EGFR-mutated lung cancer. <i>Nanoscale</i> , 2019, 11, 19520-19528.	2.8	32
93	Synthesis, Characterization, and Biological Evaluation of a Porphyrin-Based Photosensitizer and Its Isomer for Effective Photodynamic Therapy against Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7189-7201.	2.9	31
94	Sonodynamic action of hypocrellin B triggers cell apoptosis of breast cancer cells involving caspase pathway. <i>Ultrasonics</i> , 2017, 73, 154-161.	2.1	30
95	Sonodynamically induced anti-tumor effect with protoporphyrin IX on hepatoma-22 solid tumor. <i>Ultrasonics</i> , 2011, 51, 539-546.	2.1	29
96	Comparison of pharmacokinetics, intracellular localizations and sonodynamic efficacy of endogenous and exogenous protoporphyrin IX in sarcoma 180 cells. <i>Ultrasonics</i> , 2010, 50, 803-810.	2.1	28
97	Monitoring Tumor Hypoxia Using <sup>18</sup> F-FMISO PET and Pharmacokinetics Modeling after Photodynamic Therapy. <i>Scientific Reports</i> , 2016, 6, 31551.	1.6	27
98	Förster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for <i>In Situ</i> Visualization of Cancer Photothermal Therapy. <i>Theranostics</i> , 2018, 8, 410-422.	4.6	26
99	Acoustic manipulation of particles in a cylindrical cavity: Theoretical and experimental study on the effects of boundary conditions. <i>Ultrasonics</i> , 2019, 93, 18-25.	2.1	26
100	The Application of DVDMS as a Sensitizing Agent for Sono-/Photo-Therapy. <i>Frontiers in Pharmacology</i> , 2020, 11, 19.	1.6	25
101	The study of antiviral drugs targeting SARS-CoV-2 nucleocapsid and spike proteins through large-scale compound repurposing. <i>Heliyon</i> , 2021, 7, e06387.	1.4	25
102	Recent advances in functional nanomaterials for photoacoustic imaging of glioma. <i>Nanoscale Horizons</i> , 2019, 4, 1037-1045.	4.1	24
103	Comparison of cell membrane damage induced by the therapeutic ultrasound on human breast cancer MCF-7 and MCF-7/ADR cells. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 128-135.	3.8	23
104	On-Chip Ultrasound Modulation of Pyramidal Neuronal Activity in Hippocampal Slices. <i>Advanced Biology</i> , 2018, 2, 1800041.	3.0	23
105	Active Acoustic Metasurface: Complete Elimination of Grating Lobes for High-Quality Ultrasound Focusing and Controllable Steering. <i>Physical Review Applied</i> , 2019, 11, .	1.5	23
106	Low-intensity pulsed ultrasound ameliorates depression-like behaviors in a rat model of chronic unpredictable stress. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 233-243.	1.9	23
107	Albumin-Consolidated AIEgens for Boosting Glioma and Cerebrovascular NIR-II Fluorescence Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 3-13.	4.0	23
108	Involvement of MAPK activation and ROS generation in human leukemia U937 cells undergoing apoptosis in response to sonodynamic therapy. <i>International Journal of Radiation Biology</i> , 2013, 89, 915-927.	1.0	22



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109	Activation of microbubbles by low-intensity pulsed ultrasound enhances the cytotoxicity of curcumin involving apoptosis induction and cell motility inhibition in human breast cancer MDA-MB-231 cells. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 26-36.	3.8	22
110	Spatial selective manipulation of microbubbles by tunable surface acoustic waves. <i>Biomicrofluidics</i> , 2016, 10, 034121.	1.2	20
111	The antibacterial effect of sinoporphyrin sodium photodynamic therapy on <i>Staphylococcus aureus</i> planktonic and biofilm cultures. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 400-408.	1.1	20
112	Computer-assisted assessment of ultrasound real-time elastography: Initial experience in 145 breast lesions. <i>European Journal of Radiology</i> , 2014, 83, e1-e7.	1.2	19
113	Induction of Mitochondrial Dependent Apoptosis in Human Leukemia K562 Cells by <i>Meconopsis integrifolia</i> : A Species from Traditional Tibetan Medicine. <i>Molecules</i> , 2015, 20, 11981-11993.	1.7	19
114	A novel dual-frequency imaging method for intravascular ultrasound applications. <i>Ultrasonics</i> , 2015, 57, 31-35.	2.1	19
115	Classification of Carotid Plaque Echogenicity by Combining Texture Features and Morphologic Characteristics. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 2253-2261.	0.8	19
116	Highly Sensitive Fluorescence and Photoacoustic Detection of Metastatic Breast Cancer in Mice Using Dual-Modal Nanoprobes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26064-26074.	4.0	18
117	Noninvasive Ultrasound Stimulation of Ventral Tegmental Area Induces Reanimation from General Anaesthesia in Mice. <i>Research</i> , 2021, 2021, 2674692.	2.8	18
118	Combination of Protoporphyrin IX-mediated Sonodynamic Treatment with Doxorubicin Synergistically Induced Apoptotic Cell Death of a Multidrug-Resistant Leukemia K562/DOX Cell Line. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2731-2739.	0.7	17
119	Comparison of photodynamic treatment produced cell damage between human breast cancer cell MCF-7 and its multidrug resistance cell. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 16, 1-8.	1.3	17
120	Noninvasive ultrasound deep brain stimulation of nucleus accumbens induces behavioral avoidance. <i>Science China Life Sciences</i> , 2020, 63, 1328-1336.	2.3	17
121	Tiny 2D silicon quantum sheets: a brain photonic nanoagent for orthotopic glioma theranostics. <i>Science Bulletin</i> , 2021, 66, 147-157.	4.3	17
122	Bioeffects of Low-Energy Continuous Ultrasound on Isolated Sarcoma 180 Cells. <i>Chemotherapy</i> , 2009, 55, 253-261.	0.8	16
123	Image reconstruction from few-view CT data by gradient-domain dictionary learning. <i>Journal of X-Ray Science and Technology</i> , 2016, 24, 627-638.	0.7	16
124	ERK inhibitor U0126 enhanced SDT-induced cytotoxicity of human leukemia U937 cells. <i>General Physiology and Biophysics</i> , 2014, 33, 295-309.	0.4	15
125	Photoacoustic Imaging: Bright Aggregation-Induced Emission Dots for Targeted Synergetic NIR Fluorescence and NIR Photoacoustic Imaging of Orthotopic Brain Tumors ( <i>Adv. Mater.</i> 29/2018). <i>Advanced Materials</i> , 2018, 30, 1870214.	11.1	15
126	Combining TGF- $\beta$ 1 knockdown and miR200c administration to optimize antitumor efficacy of B16F10/GPI-IL-21 vaccine. <i>Oncotarget</i> , 2015, 6, 12493-12504.	0.8	15



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127	Ultrasound Molecular Imaging of Vascular Endothelial Growth Factor Receptor 2 Expression for Endometrial Receptivity Evaluation. <i>Theranostics</i> , 2015, 5, 206-217.	4.6	13
128	Sonodynamic therapy induces oxidative stress, DNA damage and apoptosis in glioma cells. <i>RSC Advances</i> , 2018, 8, 36245-36256.	1.7	13
129	Phononic Crystal Tunable via Ferroelectric Phase Transition. <i>Physical Review Applied</i> , 2015, 4, .	1.5	12
130	Epsilon-caprolactone modified polyethylenimine for highly efficient antigen delivery and chemical exchange saturation transfer functional MR imaging. <i>Biomaterials</i> , 2015, 56, 219-228.	5.7	12
131	Magnetic Resonance Imaging of Atherosclerosis Using CD81-Targeted Microparticles of Iron Oxide in Mice. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	11
132	Îu-Caprolactone-Modified Polyethylenimine as Efficient Nanocarriers for siRNA Delivery in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29261-29269.	4.0	11
133	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.	0.6	11
134	Non-invasive Low-Intensity Pulsed Ultrasound Modulates Primary Cilia of Rat Hippocampal Neurons. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1274-1283.	0.7	11
135	Comparisons among sensitivities of different tumor cells to focused ultrasound in vitro. <i>Ultrasonics</i> , 2009, 49, 558-564.	2.1	10
136	A novel dual-targeted ultrasound contrast agent provides improvement of gene delivery efficiency in vitro. <i>Tumor Biology</i> , 2016, 37, 8609-8619.	0.8	10
137	Interaction and oxidative damage of DVDMS to BSA: a study on the mechanism of photodynamic therapy-induced cell death. <i>Scientific Reports</i> , 2017, 7, 43324.	1.6	10
138	Evaluation of carotid plaque echogenicity based on the integral of the cumulative probability distribution using gray-scale ultrasound images. <i>PLoS ONE</i> , 2017, 12, e0185261.	1.1	10
139	Computational and experimental assessment of influences of hemodynamic shear stress on carotid plaque. <i>BioMedical Engineering OnLine</i> , 2017, 16, 92.	1.3	10
140	Characteristics, composition, and antioxidant activities <i>in vitro</i> and <i>in vivo</i> of <i>Gynostemma pentaphyllum</i> (Thunb.) Makino seed oil. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2084-2093.	1.7	9
141	Highly Efficient Water-Soluble Photosensitizer Based on Chlorin: Synthesis, Characterization, and Evaluation for Photodynamic Therapy. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 802-812.	2.5	9
142	Generating Multistructured Ultrasound via Bioinspired Metaskin Patterning for Low-Threshold and Contactless Control of Living Organisms. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	9
143	Simple, effective fabrication of layered carbon nanotube/graphene hybrid field emitters by electrophoretic deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 011802.	0.6	7
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