

Bing Hu

List of Publications by Year in descending order

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82
papers

1,662
citations

394286

19
h-index

330025

37
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88
all docs

88
docs citations

88
times ranked

2473
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow Prussian Blue Nanozymes Drive Neuroprotection against Ischemic Stroke via Attenuating Oxidative Stress, Counteracting Inflammation, and Suppressing Cell Apoptosis. <i>Nano Letters</i> , 2019, 19, 2812-2823.	4.5	203
2	Nanozyme-mediated catalytic nanotherapy for inflammatory bowel disease. <i>Theranostics</i> , 2019, 9, 2843-2855.	4.6	149
3	Hollow Magnetic Nanocatalysts Drive Starvation-Induced Chemodynamic-Hyperthermia Synergistic Therapy for Tumor. <i>ACS Nano</i> , 2020, 14, 9662-9674.	7.3	103
4	Injectable and thermally contractible hydroxypropyl methyl cellulose/Fe ₃ O ₄ for magnetic hyperthermia ablation of tumors. <i>Biomaterials</i> , 2017, 128, 84-93.	5.7	64
5	In-situ homodispersely immobilization of Ag@AgCl on chloridized g-C ₃ N ₄ nanosheets as an ultrastable plasmonic photocatalyst. <i>Chemical Engineering Journal</i> , 2020, 384, 123259.	6.6	64
6	"Alternated cooling and heating" strategy enables rapid fabrication of highly-crystalline g-C ₃ N ₄ nanosheets for efficient photocatalytic water purification under visible light irradiation. <i>Carbon</i> , 2018, 137, 19-30.	5.4	61
7	Prussian blue nanozyme-mediated nanoscavenger ameliorates acute pancreatitis via inhibiting TLRs/NF- κ B signaling pathway. <i>Theranostics</i> , 2021, 11, 3213-3228.	4.6	58
8	Liver fibrosis classification based on transfer learning and FCNet for ultrasound images. <i>IEEE Access</i> , 2017, , 1-1.	2.6	53
9	Induction of the apoptosis of cancer cell by sonodynamic therapy: a review. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2012, 24, 368-373.	0.7	52
10	Facilitated brain delivery of poly (ethylene glycol)-poly (lactic acid) nanoparticles by microbubble-enhanced unfocused ultrasound. <i>Biomaterials</i> , 2014, 35, 3384-3395.	5.7	49
11	Diagnostic value of contrast-enhanced ultrasound in solid thyroid nodules with and without enhancement. <i>Endocrine</i> , 2016, 53, 480-488.	1.1	41
12	Clinical Relevance of Left Atrial Strain to Predict Recurrence of Atrial Fibrillation after Catheter Ablation: A Meta-Analysis. <i>Echocardiography</i> , 2016, 33, 724-733.	0.3	40
13	Contrast-Enhanced Ultrasonography with Quantitative Analysis allows Differentiation of Renal Tumor Histotypes. <i>Scientific Reports</i> , 2016, 6, 35081.	1.6	36
14	Biodegradable cascade nanocatalysts enable tumor-microenvironment remodeling for controllable CO release and targeted/synergistic cancer nanotherapy. <i>Biomaterials</i> , 2021, 276, 121001.	5.7	35
15	Diagnostic performance of the automated breast volume scanner: a systematic review of inter-rater reliability/agreement and meta-analysis of diagnostic accuracy for differentiating benign and malignant breast lesions. <i>European Radiology</i> , 2015, 25, 3638-3647.	2.3	34
16	Contrast-enhanced ultrasound versus conventional ultrasound in the diagnosis of polypoid lesion of gallbladder: A multi-center study of dynamic microvascularization. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 55, 359-374.	0.9	30
17	Large-scale synthesis of monodisperse Prussian blue nanoparticles for cancer theranostics via an "in situ modification" strategy. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 271-288.	3.3	28
18	Phase-transitional Fe ₃ O ₄ /perfluorohexane Microspheres for Magnetic Droplet Vaporization. <i>Theranostics</i> , 2017, 7, 846-854.	4.6	26

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19	MiR-491-5p negatively regulates cell proliferation and motility by targeting PDGFRA in prostate cancer. <i>American Journal of Cancer Research</i> , 2017, 7, 2545-2553.	1.4	21
20	Biodegradable reduce expenditure bioreactor for augmented sonodynamic therapy via regulating tumor hypoxia and inducing pro-death autophagy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 418.	4.2	20
21	Vascular endothelial growth factor suppresses dendritic cells function of human prostate cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 1267-1274.	1.0	19
22	Application of Real-time Elastography Ultrasound in the Diagnosis of Axillary Lymph Node Metastasis in Breast Cancer Patients. <i>Scientific Reports</i> , 2018, 8, 10234.	1.6	19
23	Low-frequency ultrasound-induced VEGF suppression and synergy with dendritic cell-mediated anti-tumor immunity in murine prostate cancer cells in vitro. <i>Scientific Reports</i> , 2017, 7, 5778.	1.6	17
24	2D antimonene-integrated composite nanomedicine for augmented low-temperature photonic tumor hyperthermia by reversing cell thermoresistance. <i>Bioactive Materials</i> , 2022, 10, 295-305.	8.6	16
25	The usefulness of global left atrial strain for predicting atrial fibrillation recurrence after catheter ablation in patients with persistent and paroxysmal atrial fibrillation. <i>Archives of Cardiovascular Diseases</i> , 2017, 110, 447-455.	0.7	15
26	Effect of low-frequency low-intensity ultrasound with microbubbles on prostate cancer hypoxia. <i>Tumor Biology</i> , 2017, 39, 101042831771927.	0.8	15
27	Combination of tomographic ultrasound imaging and three-dimensional magnetic resonance imaging-based model to diagnose postpartum levator avulsion. <i>Scientific Reports</i> , 2017, 7, 11235.	1.6	15
28	Association between left atrial appendage emptying velocity, N-terminal plasma brain natriuretic peptide levels, and recurrence of atrial fibrillation after catheter ablation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2017, 48, 343-350.	0.6	14
29	Ultrasound-assisted C3F8-filled PLGA nanobubbles for enhanced FGF21 delivery and improved prophylactic treatment of diabetic cardiomyopathy. <i>Acta Biomaterialia</i> , 2021, 130, 395-408.	4.1	14
30	Liposome-mediated transfection of wild-type P53 DNA into human prostate cancer cells is improved by low-frequency ultrasound combined with microbubbles. <i>Oncology Letters</i> , 2016, 11, 3829-3834.	0.8	13
31	Inhibitory effects of subcutaneous tumors in nude mice mediated by low-frequency ultrasound and microbubbles. <i>Oncology Letters</i> , 2014, 7, 1385-1390.	0.8	12
32	Low-frequency low energy ultrasound combined with microbubbles induces distinct apoptosis of A7r5 cells. <i>Molecular Medicine Reports</i> , 2014, 10, 3282-3288.	1.1	12
33	Fibroblast growth factor 21 inhibition aggravates cardiac dysfunction in diabetic cardiomyopathy by improving lipid accumulation. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 75-84.	0.8	12
34	Role of real-time elastography in assessing the stage of thrombus. <i>International Angiology</i> , 2017, 36, 59-63.	0.4	12
35	Diagnosis of Subungual Glomus Tumors with 18MHz Ultrasound and CDFI. <i>Scientific Reports</i> , 2020, 10, 17848.	1.6	12
36	Optimization of low-frequency low-intensity ultrasound-mediated microvessel disruption on prostate cancer xenografts in nude mice using an orthogonal experimental design. <i>Oncology Letters</i> , 2015, 10, 2999-3007.	0.8	11

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37	Low-frequency ultrasound-mediated microvessel disruption combined with docetaxel to treat prostate carcinoma xenografts in nude mice: A novel type of chemoembolization. <i>Oncology Letters</i> , 2016, 12, 1011-1018.	0.8	11
38	The Characteristics of the Transitional Zone in Prostate Growth With Age. <i>Urology</i> , 2017, 105, 136-140.	0.5	11
39	Comparative study of conventional US, contrast enhanced US and enhanced MR for the follow-up of prostatic radiofrequency ablation. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 3535-3542.	0.8	11
40	Theoretical and experimental study of dual-fiber laser ablation for prostate cancer. <i>PLoS ONE</i> , 2018, 13, e0206065.	1.1	11
41	MicroPure Imaging for the Evaluation of Microcalcifications in Gouty Arthritis Involving the First Metatarsophalangeal Joint: A Preliminary Study. <i>PLoS ONE</i> , 2014, 9, e95743.	1.1	11
42	The Design and Rationale of a Multicentre Randomised Controlled Trial Comparing Transperineal Percutaneous Laser Ablation With Transurethral Resection of the Prostate for Treating Benign Prostatic Hyperplasia. <i>Frontiers in Surgery</i> , 2021, 8, 755957.	0.6	11
43	Theranostic hollow/mesoporous organosilica nanospheres enhance the therapeutic efficacy of anticancer drugs in metastatic hormone-resistant prostate cancer. <i>RSC Advances</i> , 2016, 6, 94058-94067.	1.7	10
44	Neutrophil-mediated clinical nanodrug for treatment of residual tumor after focused ultrasound ablation. <i>Journal of Nanobiotechnology</i> , 2021, 19, 345.	4.2	10
45	Three-dimensional Ultrasound Appearance of Pelvic Floor in Nulliparous Women and Postpartum Women One Week after Their First Delivery. <i>International Journal of Medical Sciences</i> , 2014, 11, 234-239.	1.1	9
46	3-Tesla magnetic resonance imaging improves the prostate cancer detection rate in transrectal ultrasound-guided biopsy. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 207-212.	0.8	9
47	Upregulation of ULK1 expression in PC-3 cells following tumor protein P53 transfection by sonoporation. <i>Oncology Letters</i> , 2016, 11, 699-704.	0.8	9
48	Preoperative Transurethral Contrast-enhanced Ultrasonography in the Diagnosis of Female Urethral Diverticula. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 2881-2889.	0.8	9
49	The value of conventional sonography and ultrasound elastography in decision-making for thyroid nodules in different categories of the Bethesda system for reporting thyroid cytopathology. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 255-266.	0.9	9
50	Transrectal real-time elastography-guided transperineal prostate biopsy as an improved tool for prostate cancer diagnosis. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 6522-9.	1.3	9
51	Enhanced antitumor effects of low-frequency ultrasound and microbubbles in combination with simvastatin by downregulating caveolin-1 in prostatic DU145 cells. <i>Oncology Letters</i> , 2014, 7, 2142-2148.	0.8	8
52	Three-Dimensional Computerized Model Based on the Sonourethrogram: A Novel Technique to Evaluate Anterior Urethral Stricture. <i>Journal of Urology</i> , 2018, 199, 568-575.	0.2	8
53	Determining "abnormal" levator hiatus distensibility using three-dimensional transperineal ultrasound in Chinese women. <i>Frontiers of Medicine</i> , 2018, 12, 572-579.	1.5	8
54	Combined treatment of PC-3 cells with ultrasound and microbubbles suppresses invasion and migration. <i>Oncology Letters</i> , 2014, 8, 1372-1376.	0.8	7

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55	Low-frequency and low-intensity ultrasound-mediated microvessel disruption enhance the effects of radiofrequency ablation on prostate cancer xenografts in nude mice. <i>Molecular Medicine Reports</i> , 2015, 12, 7517-7525.	1.1	7
56	Transforming Growth Factor β 1 Could Influence Thyroid Nodule Elasticity and Also Improve Cervical Lymph Node Metastasis in Papillary Thyroid Carcinoma. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2866-2872.	0.7	7
57	Study on the use of quantitative ultrasound evaluation of diabetic neuropathy in the rat sciatic nerve. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016, 39, 997-1005.	1.4	7
58	Papillary thyroid microcarcinoma co-exists with Hashimoto's thyroiditis: Is strain elastography still useful?. <i>Ultrasonics</i> , 2016, 68, 127-133.	2.1	6
59	Establishment of the U.L.T.R.A. measurement rating system for anterior urethral stricture. <i>International Urology and Nephrology</i> , 2017, 49, 1201-1207.	0.6	6
60	Characterization and management of various renal cystic lesions by sonographic features. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 1017-1026.	0.6	6
61	Role of "Stiff Rim" sign obtained by shear wave elastography in diagnosis and guiding therapy of breast cancer. <i>International Journal of Medical Sciences</i> , 2021, 18, 3615-3623.	1.1	6
62	Upregulation of Beclin-1 expression in DU-145 cells following low-frequency ultrasound irradiation combined with microbubbles. <i>Oncology Letters</i> , 2015, 10, 2487-2490.	0.8	5
63	Effect of Roux-en-Y gastric bypass on carotid intima-media thickness in Chinese obese patients with type 2 diabetes. <i>Surgery for Obesity and Related Diseases</i> , 2017, 13, 1530-1535.	1.0	5
64	Low-frequency ultrasound combined with microbubbles improves gene transfection in prostate cancer cells in vitro and in vivo. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2021, , .	0.7	5
65	Ultrasound prediction of abnormal infant development in hypertensive pregnant women in the second and third trimester. <i>Scientific Reports</i> , 2017, 7, 40429.	1.6	4
66	Treatment of PC-3 cells with ultrasound combined with microbubbles induces distinct alterations in the expression of Bcl-2 and Bax. <i>Science Bulletin</i> , 2013, 58, 3535-3540.	1.7	3
67	Quantitative Study of Elasticity of Rabbit VX2 Liver Tumor with Alternated Cooling and Heating Treatment based on ARFI Ultrasound Imaging Technique. <i>Scientific Reports</i> , 2016, 6, 29303.	1.6	3
68	Preliminary study of confounding factors of elastography and the application of fine-needle aspiration in thyroid nodules with indeterminate elastography. <i>Scientific Reports</i> , 2017, 7, 18005.	1.6	3
69	Efficacy of sub-threshold focused ultrasound irradiation against pancreatic cancer xenografts evaluated using magnetic resonance imaging. <i>Oncotarget</i> , 2017, 8, 80453-80460.	0.8	3
70	Real-Time Elastography in the diagnosis of prostate cancer: a systematic review. <i>Medical Ultrasonography</i> , 2019, 21, 327.	0.4	3
71	Radiation force calculation and acoustic power measurement for a cylindrical concave transducer based on the ray acoustic model. <i>Journal of the Korean Physical Society</i> , 2012, 61, 544-550.	0.3	2
72	Microscopic study of ultrasound-mediated microbubble destruction effects on vascular smooth muscle cells. <i>Asian Pacific Journal of Tropical Medicine</i> , 2015, 8, 325-329.	0.4	2

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73	Monitoring radiofrequency therapy-induced tumor cell dissemination by in vivo flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 593-600.	1.1	2
74	Failure mode effect and criticality analysis of ultrasound device by classification tracking. BMC Health Services Research, 2022, 22, 429.	0.9	2
75	Experiment on building a real-time temperature field distribution model of the prostate using special data encryption multi-pole radiofrequency ablation and a visualization phantom. Science Bulletin, 2011, 56, 3845-3853.	1.7	1
76	Caveolin-1 as a biomarker to predict therapeutic effect of low-frequency ultrasound combined with SonoVue on prostate cancer in nude mice model. Cancer Biomarkers, 2014, 14, 279-286.	0.8	1
77	Assessment of alternated cooling and heating treatment by US combined CEUS in the VX2 rabbit liver tumor model. Science Bulletin, 2014, 59, 865-873.	1.7	1
78	Contrast-enhanced ultrasound evaluation of pancreatic cancer xenografts in nude mice after irradiation with sub-threshold focused ultrasound for tumor ablation. Oncotarget, 2017, 8, 37584-37593.	0.8	1
79	Assessment of levator hiatus by 3D ultrasound volume contrast imaging in normal nulliparas. Journal of Shanghai Jiaotong University (Science), 2009, 14, 371-375.	0.5	0
80	Re: Tumor size measured by preoperative ultrasonography and postoperative pathologic examination in papillary thyroid carcinoma: relative differences according to size, calcification and coexisting thyroiditis. European Archives of Oto-Rhino-Laryngology, 2016, 273, 791-792.	0.8	0
81	Radiation force calculation of cylindrical focusing transducer and array on ray acoustics model. AIP Conference Proceedings, 2017, , .	0.3	0
82	A new radiation force balance method for measuring diverging piston source power in the frequency range 20â€“100â€“kHz: Theory and experimental verification. Ultrasonics, 2019, 97, 11-18.	2.1	0