

Bing Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3385/publications.pdf>

Version: 2024-02-01

82
papers

1,662
citations

394421

19
h-index

330143

37
g-index

88
all docs

88
docs citations

88
times ranked

2473
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | 2D antimonene-integrated composite nanomedicine for augmented low-temperature photonic tumor hyperthermia by reversing cell thermoresistance. <i>Bioactive Materials</i> , 2022, 10, 295-305. | 15.6 | 16 |
| 2 | Failure mode effect and criticality analysis of ultrasound device by classification tracking. <i>BMC Health Services Research</i> , 2022, 22, 429. | 2.2 | 2 |
| 3 | Prussian blue nanozyme-mediated nanoscavenger ameliorates acute pancreatitis via inhibiting TLRs/NF- κ B signaling pathway. <i>Theranostics</i> , 2021, 11, 3213-3228. | 10.0 | 58 |
| 4 | 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, , . | 1.1 | 5 |
| 5 | Monitoring radiofrequency therapy-induced tumor cell dissemination by in vivo flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 593-600. | 1.5 | 2 |
| 6 | 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. | 8.3 | 14 |
| 7 | Biodegradable cascade nanocatalysts enable tumor-microenvironment remodeling for controllable CO release and targeted/synergistic cancer nanotherapy. <i>Biomaterials</i> , 2021, 276, 121001. | 11.4 | 35 |
| 8 | 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. | 2.5 | 6 |
| 9 | 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. | 1.4 | 11 |
| 10 | Neutrophil-mediated clinical nanodrug for treatment of residual tumor after focused ultrasound ablation. <i>Journal of Nanobiotechnology</i> , 2021, 19, 345. | 9.1 | 10 |
| 11 | 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. | 9.1 | 20 |
| 12 | In-situ homodispersely immobilization of Ag@AgCl on chloridized g-C3N4 nanosheets as an ultrastable plasmonic photocatalyst. <i>Chemical Engineering Journal</i> , 2020, 384, 123259. | 12.7 | 64 |
| 13 | 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. | 1.7 | 9 |
| 14 | Hollow Magnetic Nanocatalysts Drive Starvation "Chemodynamic" Hyperthermia Synergistic Therapy for Tumor. <i>ACS Nano</i> , 2020, 14, 9662-9674. | 14.6 | 103 |
| 15 | Diagnosis of Subungual Glomus Tumors with 18MHz Ultrasound and CDFI. <i>Scientific Reports</i> , 2020, 10, 17848. | 3.3 | 12 |
| 16 | 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. | 6.7 | 28 |
| 17 | Nanozyme-mediated catalytic nanotherapy for inflammatory bowel disease. <i>Theranostics</i> , 2019, 9, 2843-2855. | 10.0 | 149 |
| 18 | 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. | 9.1 | 203 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | A new radiation force balance method for measuring diverging piston source power in the frequency range 20â€“100â€“kHz: Theory and experimental verification. <i>Ultrasonics</i> , 2019, 97, 11-18. | 3.9 | 0 |
| 20 | Real-Time Elastography in the diagnosis of prostate cancer: a systematic review. <i>Medical Ultrasonography</i> , 2019, 21, 327. | 0.8 | 3 |
| 21 | 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. | 1.8 | 12 |
| 22 | Preoperative Transurethral Contrastâ€“Enhanced Ultrasonography in the Diagnosis of Female Urethral Diverticula. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 2881-2889. | 1.7 | 9 |
| 23 | 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. | 0.4 | 8 |
| 24 | Theoretical and experimental study of dual-fiber laser ablation for prostate cancer. <i>PLoS ONE</i> , 2018, 13, e0206065. | 2.5 | 11 |
| 25 | Vascular endothelial growth factor suppresses dendritic cells function of human prostate cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 1267-1274. | 2.0 | 19 |
| 26 | 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. | 3.3 | 19 |
| 27 | Characterization and management of various renal cystic lesions by sonographic features. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 1017-1026. | 1.4 | 6 |
| 28 | "Alternated cooling and heating" strategy enables rapid fabrication of highly-crystalline g-C3N4 nanosheets for efficient photocatalytic water purification under visible light irradiation. <i>Carbon</i> , 2018, 137, 19-30. | 10.3 | 61 |
| 29 | Determining â€œabnormalâ€•levator hiatus distensibility using three-dimensional transperineal ultrasound in Chinese women. <i>Frontiers of Medicine</i> , 2018, 12, 572-579. | 3.4 | 8 |
| 30 | Ultrasound prediction of abnormal infant development in hypertensive pregnant women in the second and third trimester. <i>Scientific Reports</i> , 2017, 7, 40429. | 3.3 | 4 |
| 31 | Radiation force calculation of cylindrical focusing transducer and array on ray acoustics model. <i>AIP Conference Proceedings</i> , 2017, , . | 0.4 | 0 |
| 32 | The Characteristics of the Transitional Zone in Prostate Growth With Age. <i>Urology</i> , 2017, 105, 136-140. | 1.0 | 11 |
| 33 | Liver fibrosis classification based on transfer learning and FCNet for ultrasound images. <i>IEEE Access</i> , 2017, , 1-1. | 4.2 | 53 |
| 34 | 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. | 1.4 | 6 |
| 35 | 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. | 1.6 | 15 |
| 36 | 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. | 1.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | 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. | 1.2 | 5 |
| 38 | Injectable and thermally contractible hydroxypropyl methyl cellulose/Fe ₃ O ₄ for magnetic hyperthermia ablation of tumors. <i>Biomaterials</i> , 2017, 128, 84-93. | 11.4 | 64 |
| 39 | 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. | 1.3 | 14 |
| 40 | Effect of low-frequency low-intensity ultrasound with microbubbles on prostate cancer hypoxia. <i>Tumor Biology</i> , 2017, 39, 101042831771927. | 1.8 | 15 |
| 41 | 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. | 3.3 | 15 |
| 42 | 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. | 3.3 | 17 |
| 43 | 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. | 3.3 | 3 |
| 44 | Phase-transitional Fe ₃ O ₄ /perfluorohexane Microspheres for Magnetic Droplet Vaporization. <i>Theranostics</i> , 2017, 7, 846-854. | 10.0 | 26 |
| 45 | Role of real-time elastography in assessing the stage of thrombus. <i>International Angiology</i> , 2017, 36, 59-63. | 0.9 | 12 |
| 46 | Contrast-enhanced ultrasound evaluation of pancreatic cancer xenografts in nude mice after irradiation with sub-threshold focused ultrasound for tumor ablation. <i>Oncotarget</i> , 2017, 8, 37584-37593. | 1.8 | 1 |
| 47 | Efficacy of sub-threshold focused ultrasound irradiation against pancreatic cancer xenografts evaluated using magnetic resonance imaging. <i>Oncotarget</i> , 2017, 8, 80453-80460. | 1.8 | 3 |
| 48 | 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 |
| 49 | Upregulation of ULK1 expression in PC-3 cells following tumor protein P53 transfection by sonoporation. <i>Oncology Letters</i> , 2016, 11, 699-704. | 1.8 | 9 |
| 50 | 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. | 1.3 | 7 |
| 51 | 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. | 1.8 | 11 |
| 52 | 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. | 0.9 | 40 |
| 53 | Contrast-Enhanced Ultrasonography with Quantitative Analysis allows Differentiation of Renal Tumor Histotypes. <i>Scientific Reports</i> , 2016, 6, 35081. | 3.3 | 36 |
| 54 | 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. | 3.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | 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. | 3.3 | 3 |
| 56 | 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. | 1.8 | 13 |
| 57 | Diagnostic value of contrast-enhanced ultrasound in solid thyroid nodules with and without enhancement. <i>Endocrine</i> , 2016, 53, 480-488. | 2.3 | 41 |
| 58 | Papillary thyroid microcarcinoma co-exists with Hashimoto's thyroiditis: Is strain elastography still useful?. <i>Ultrasonics</i> , 2016, 68, 127-133. | 3.9 | 6 |
| 59 | Re: Tumor size measured by preoperative ultrasonography and postoperative pathologic examination in papillary thyroid carcinoma: relative differences according to size, calcification and coexisting thyroiditis. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 791-792. | 1.6 | 0 |
| 60 | 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. | 1.8 | 11 |
| 61 | 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. | 2.4 | 7 |
| 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. | 1.8 | 5 |
| 63 | 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. | 1.8 | 9 |
| 64 | 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. | 0.8 | 2 |
| 65 | 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. | 4.5 | 34 |
| 66 | 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. | 1.5 | 7 |
| 67 | 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 |
| 68 | 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. | 2.5 | 9 |
| 69 | Caveolin-1 as a biomarker to predict therapeutic effect of low-frequency ultrasound combined with SonoVue on prostate cancer in nude mice model. <i>Cancer Biomarkers</i> , 2014, 14, 279-286. | 1.7 | 1 |
| 70 | Inhibitory effects of subcutaneous tumors in nude mice mediated by low-frequency ultrasound and microbubbles. <i>Oncology Letters</i> , 2014, 7, 1385-1390. | 1.8 | 12 |
| 71 | 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. | 1.8 | 8 |
| 72 | Facilitated brain delivery of poly (ethylene glycol)-poly (lactic acid) nanoparticles by microbubble-enhanced unfocused ultrasound. <i>Biomaterials</i> , 2014, 35, 3384-3395. | 11.4 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Assessment of alternated cooling and heating treatment by US combined CEUS in the VX2 rabbit liver tumor model. <i>Science Bulletin</i> , 2014, 59, 865-873. | 1.7 | 1 |
| 74 | Combined treatment of PC-3 cells with ultrasound and microbubbles suppresses invasion and migration. <i>Oncology Letters</i> , 2014, 8, 1372-1376. | 1.8 | 7 |
| 75 | Low-frequency low energy ultrasound combined with microbubbles induces distinct apoptosis of A7r5 cells. <i>Molecular Medicine Reports</i> , 2014, 10, 3282-3288. | 2.4 | 12 |
| 76 | 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. | 2.5 | 11 |
| 77 | 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 |
| 78 | 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. | 1.7 | 30 |
| 79 | 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. | 0.7 | 2 |
| 80 | 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</i> , Beijing Institute for Cancer Research, 2012, 24, 368-373. | 2.2 | 52 |
| 81 | 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. <i>Science Bulletin</i> , 2011, 56, 3845-3853. | 1.7 | 1 |
| 82 | Assessment of levator hiatus by 3D ultrasound volume contrast imaging in normal nulliparas. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2009, 14, 371-375. | 0.9 | 0 |