

Cai-Hong Dong

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

2,786
citations

159525

30
h-index

223716

46
g-index

107
all docs

107
docs citations

107
times ranked

2716
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for Diagnosis and Treatment of Primary Liver Cancer in China (2017 Edition). <i>Liver Cancer</i> , 2018, 7, 235-260.	4.2	426
2	Preoperative diagnosis and prediction of hepatocellular carcinoma: Radiomics analysis based on multi-modal ultrasound images. <i>BMC Cancer</i> , 2018, 18, 1089.	1.1	95
3	Sonoâ€Controllable and ROSâ€Sensitive CRISPRâ€Cas9 Genome Editing for Augmented/Synergistic Ultrasound Tumor Nanotherapy. <i>Advanced Materials</i> , 2021, 33, e2104641.	11.1	85
4	Mitochondriaâ€Specific nanocatalysts for chemotherapyâ€augmented sequential chemoreactive tumor therapy. <i>Exploration</i> , 2021, 1, 50-60.	5.4	76
5	Contrast-enhanced (endoscopic) ultrasound and endoscopic ultrasound elastography in gastrointestinal stromal tumors. <i>Endoscopic Ultrasound</i> , 2017, 6, 55.	0.6	75
6	Biomedical engineering of two-dimensional MXenes. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114178.	6.6	69
7	Transfer learning radiomics based on multimodal ultrasound imaging for staging liver fibrosis. <i>European Radiology</i> , 2020, 30, 2973-2983.	2.3	64
8	Engineering Janus Chemoreactive Nanosonosensitizers for Bilaterally Augmented Sonodynamic and Chemodynamic Cancer Nanotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103134.	7.8	58
9	Comparison of retraction phenomenon and BI-RADS-US descriptors in differentiating benign and malignant breast masses using an automated breast volume scanner. <i>European Journal of Radiology</i> , 2015, 84, 2123-2129.	1.2	56
10	Tissue Elasticity Quantification by Acoustic Radiation Force Impulse for the Assessment of Renal Allograft Function. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 322-329.	0.7	52
11	Chemotherapy-enabled/augmented cascade catalytic tumor-oxidative nanotherapy. <i>Biomaterials</i> , 2021, 277, 121071.	5.7	51
12	A self-assembled carrier-free nanosonosensitizer for photoacoustic imaging-guided synergistic chemoâ€sonodynamic cancer therapy. <i>Nanoscale</i> , 2020, 12, 5587-5600.	2.8	46
13	Preoperative Prediction of Microvascular Invasion in Hepatocellular Carcinoma: Initial Application of a Radiomic Algorithm Based on Grayscale Ultrasound Images. <i>Frontiers in Oncology</i> , 2020, 10, 353.	1.3	45
14	Sequential Ultrasound-Triggered and Hypoxia-Sensitive Nanoprodrug for Cascade Amplification of Sonochemotherapy. <i>ACS Nano</i> , 2022, 16, 5439-5453.	7.3	44
15	Ultrasound-Controlled CRISPR/Cas9 System Augments Sonodynamic Therapy of Hepatocellular Carcinoma. <i>ACS Central Science</i> , 2021, 7, 2049-2062.	5.3	44
16	Ultrasoundâ€Augmented Nanocatalytic Ferroptosis Reverses Chemotherapeutic Resistance and Induces Synergistic Tumor Nanotherapy. <i>Advanced Functional Materials</i> , 2022, 32, 2107529.	7.8	43
17	Analysis of Apparent Integrated Backscatter Coefficient and Backscattered Spectral Centroid Shift in Calcaneus in Vivo for the Ultrasonic Evaluation of Osteoporosis. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1307-1317.	0.7	42
18	Engineering Electronic Band Structure of Binary Thermoelectric Nanocatalysts for Augmented Pyrocatalytic Tumor Nanotherapy. <i>Advanced Materials</i> , 2022, 34, e2106773.	11.1	42

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19	Potential application of dynamic contrast enhanced ultrasound in predicting microvascular invasion of hepatocellular carcinoma. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 77, 461-469.	0.9	41
20	Contrast-enhanced ultrasound of histologically proven hepatic epithelioid hemangioendothelioma. <i>World Journal of Gastroenterology</i> , 2016, 22, 4741.	1.4	41
21	Imaging features of automated breast volume scanner: Correlation with molecular subtypes of breast cancer. <i>European Journal of Radiology</i> , 2017, 86, 267-275.	1.2	40
22	Application of imaging fusion combining contrast-enhanced ultrasound and magnetic resonance imaging in detection of hepatic cellular carcinomas undetectable by conventional ultrasound. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2016, 31, 822-828.	1.4	39
23	Contrast-Enhanced Ultrasound in Combination with Color Doppler Ultrasound Can Improve the Diagnostic Performance of Focal Nodular Hyperplasia and Hepatocellular Adenoma. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 944-951.	0.7	38
24	Shear wave elastography of the liver – review on normal values. <i>Zeitschrift Fur Gastroenterologie</i> , 2017, 55, 153-166.	0.2	38
25	Contrast-enhanced ultrasound in diagnosis of gallbladder adenoma. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2015, 14, 201-207.	0.6	36
26	Biodegradable and Excretable 2D $W_{1.33}C_{1.33}$ MXene with Vacancy Ordering for Theory-Oriented Cancer Nanotheranostics in Near-Infrared Biowindow. <i>Advanced Science</i> , 2021, 8, e2101043.	5.6	36
27	Value of wash-in and wash-out time in the diagnosis between hepatocellular carcinoma and other hepatic nodules with similar vascular pattern on contrast-enhanced ultrasound. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014, 29, 576-580.	1.4	35
28	Value of Contrast-Enhanced Ultrasound in Guidance of Percutaneous Biopsy in Peripheral Pulmonary Lesions. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	34
29	Differentiation of subtypes of renal cell carcinoma with contrast-enhanced ultrasonography. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 63, 361-371.	0.9	34
30	Ultrathin 2D Inorganic Ancient Pigment Decorated 3D Printing Scaffold Enables Photonic Hyperthermia of Osteosarcoma in NIR Biowindow and Concurrently Augments Bone Regeneration. <i>Advanced Science</i> , 2021, 8, e2101739.	5.6	34
31	Ultrasound imaging features of isolated pancreatic tuberculosis. <i>Endoscopic Ultrasound</i> , 2017, 7, 119-127.	0.6	34
32	Photosynthetic Oxygenation-Augmented Sonodynamic Nanotherapy of Hypoxic Tumors. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102135.	3.9	32
33	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
34	Dynamic enhancement pattern of intrahepatic cholangiocarcinoma on contrast-enhanced ultrasound: the correlation with cirrhosis and tumor size. <i>Abdominal Imaging</i> , 2015, 40, 1558-1566.	2.0	28
35	Papillary renal cell carcinoma and clear cell renal cell carcinoma: Differentiation of distinct histological types with contrast-enhanced ultrasonography. <i>European Journal of Radiology</i> , 2015, 84, 1849-1856.	1.2	27
36	Portal hypertension in hepatitis B-related cirrhosis: Diagnostic accuracy of liver and spleen stiffness by shear-wave elastography. <i>Hepatology Research</i> , 2019, 49, 540-549.	1.8	26

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37	Assessment of renal perfusion with contrast-enhanced ultrasound: Preliminary results in early diabetic nephropathies. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 62, 229-238.	0.9	25
38	CRISPR/Cas9-2D Silicene Gene Editing Nanosystem for Remote NIR-Induced Tumor Microenvironment Reprogramming and Augmented Photonic Tumor Ablation. <i>Advanced Functional Materials</i> , 2021, 31, 2107093.	7.8	25
39	Evaluation of Liver Metastases Using Contrast-Enhanced Ultrasound: Enhancement Patterns and Influencing Factors. <i>Gut and Liver</i> , 2016, 10, 283.	1.4	24
40	Contrast enhanced ultrasound features of hepatic cystadenoma and hepatic cystadenocarcinoma. <i>Scandinavian Journal of Gastroenterology</i> , 2017, 52, 365-372.	0.6	24
41	Quantitative evaluation of contrast-enhanced ultrasound for differentiation of renal cell carcinoma subtypes and angiomyolipoma. <i>European Journal of Radiology</i> , 2016, 85, 795-802.	1.2	23
42	Persistent luminescence phosphor as in-vivo light source for tumoral cyanobacterial photosynthetic oxygenation and photodynamic therapy. <i>Bioactive Materials</i> , 2022, 10, 131-144.	8.6	23
43	Differentiation of Renal Tumor Histotypes: Usefulness of Quantitative Analysis of Contrast-Enhanced Ultrasound. <i>American Journal of Roentgenology</i> , 2015, 205, W335-W342.	1.0	22
44	Inorganic chemoreactive nanosensitizers with unique physiochemical properties and structural features for versatile sonodynamic nanotherapies. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 032006.	1.7	22
45	Dual-Targeted Microbubbles Specific to Integrin $\alpha_3\beta_3$ and Vascular Endothelial Growth Factor Receptor 2 for Ultrasonography Evaluation of Tumor Angiogenesis. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1460-1467.	0.7	21
46	Prediction of cervical lymph node metastasis with contrast-enhanced ultrasound and association between presence of BRAF ^{V600E} and extrathyroidal extension in papillary thyroid carcinoma. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592094236.	1.4	20
47	The analysis of enhancement pattern of hepatic inflammatory pseudotumor on contrast-enhanced ultrasound. <i>Abdominal Imaging</i> , 2014, 39, 168-174.	2.0	19
48	Contrast-enhanced ultrasound features of histologically proven small (≤ 20 mm) liver metastases. <i>Scandinavian Journal of Gastroenterology</i> , 2017, 52, 23-28.	0.6	19
49	V Flow technology in measurement of wall shear stress of common carotid arteries in healthy adults: Feasibility and normal values. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 453-462.	0.9	19
50	Co-delivery of nanoparticle and molecular drug by hollow mesoporous organosilica for tumor-activated and photothermal-augmented chemotherapy of breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 290.	4.2	18
51	Preoperative Prediction of Microvascular Invasion of Hepatocellular Carcinoma: Radiomics Algorithm Based on Ultrasound Original Radio Frequency Signals. <i>Frontiers in Oncology</i> , 2019, 9, 1203.	1.3	17
52	Ultrasound features of hepatocellular adenoma and the additional value of contrast-enhanced ultrasound. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2016, 15, 48-54.	0.6	16
53	Contrast-enhanced ultrasonography in differential diagnosis of focal gallbladder adenomyomatosis and gallbladder cancer. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 70, 201-211.	0.9	16
54	Contrast-Enhanced Ultrasound Guided Biopsy of Undetermined Abdominal Lesions: A Multidisciplinary Decision-Making Approach. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	15

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55	Engineering Oxygen-irrelevant Radical Nanogenerator for Hypoxia-independent Magnetothermodynamic Tumor Nanotherapy. <i>Small Methods</i> , 2021, 5, e2001087.	4.6	15
56	Measurement of the Human Calcaneus In Vivo Using Ultrasonic Backscatter Spectral Centroid Shift. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 2197-2208.	0.8	14
57	Differential diagnosis of focal gallbladder lesions: The added value of contrast enhanced ultrasound with liner transducers. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 167-178.	0.9	14
58	High-Frame Rate Vector Flow Imaging Technique: Initial Application in Evaluating the Hemodynamic Changes of Carotid Stenosis Caused by Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 617391.	1.1	14
59	Investigate the value of ElastPQ measurement for differential diagnosis of benign and malignant focal liver lesions (FLLs) by using histologic results as a reference standard. Material and methods: A total of 154 patients were included. ElastPQ measurement was performed for each lesion in which the shear wave speed (SWS) was measured. The difference in SWS and SWS ratio of FLL to surrounding liver were evaluated, and the cut off value was investigated. Receiver operating characteristic (ROC) analysis. <i>Medical Ultrasonography</i> , 2017, 19, 359.	0.4	14
60	Detection and characterization of small superficially located focal liver lesions by contrast-enhanced ultrasound with high frequency transducers. <i>Medical Ultrasonography</i> , 2017, 19, 349.	0.4	14
61	Preoperative prediction of microvascular invasion (MVI) in hepatocellular carcinoma based on kupper phase radiomics features of sonazoid contrast-enhanced ultrasound (SCEUS): A prospective study. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 81, 97-107.	0.9	14
62	Characterization of focal hepatic lesions with contrast-enhanced C-cube gray scale ultrasonography. <i>World Journal of Gastroenterology</i> , 2003, 9, 1667.	1.4	13
63	Oxygen-evolving photosynthetic cyanobacteria for 2D bismuthene radiosensitizer-enhanced cancer radiotherapy. <i>Bioactive Materials</i> , 2022, 17, 276-288.	8.6	13
64	Qualitative and Quantitative Analysis with Contrast-Enhanced Ultrasonography: Diagnosis Value in Hypoechoic Renal Angiomyolipoma. <i>Korean Journal of Radiology</i> , 2015, 16, 334.	1.5	11
65	Incidentally detected focal fundal gallbladder wall thickening: Differentiation contrast enhanced ultrasound features with high-resolution linear transducers. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 315-325.	0.9	11
66	VueBox® for quantitative analysis of contrast-enhanced ultrasound in liver tumors1. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 80, 473-486.	0.9	11
67	Postoperative haemodynamic changes in transplanted liver: Long-term follow-up with ultrasonography. <i>Journal of International Medical Research</i> , 2014, 42, 849-856.	0.4	10
68	Contribution of Contrast-enhanced Sonography in the Detection of Intrahepatic Cholangiocarcinoma. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 215-220.	0.8	10
69	Value of Perfusion Parameters for Differentiating Hepatocellular Carcinoma and Liver Metastasis With Hypervascularity and a Normal Hepatic Background on Contrast-enhanced Ultrasound Imaging. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 2601-2608.	0.8	10
70	Current Opinion about Hepatocellular Carcinoma $\leq 10\text{ mm}$. <i>Digestion</i> , 2021, 102, 335-341.	1.2	10
71	Hepatocellular carcinoma in the non-cirrhotic liver. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 80, 423-436.	0.9	10
72	Nanobiomimetic Medicine. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10

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73	Ultrasound Radiomics Effective for Preoperative Identification of True and Pseudo Gallbladder Polyps Based on Spatial and Morphological Features. <i>Frontiers in Oncology</i> , 2020, 10, 1719.	1.3	9
74	Hepatic inflammatory pseudotumor mimicking malignancy: the value of differential diagnosis on contrast enhanced ultrasound. <i>Medical Ultrasonography</i> , 2021, 23, 15.	0.4	9
75	Clinical value of contrast-enhanced ultrasonography in the characterization of focal liver lesions: a prospective multicenter trial. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2009, 8, 370-6.	0.6	9
76	Characterization of Focal Liver Lesions Indistinctive on B Mode Ultrasound: Benefits of Contrast-Enhanced Ultrasound. <i>BioMed Research International</i> , 2017, 2017, 1-7.	0.9	8
77	Analysis of contrast-enhanced ultrasound features of hepatocellular adenoma according to different pathological molecular classifications. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 391-403.	0.9	8
78	Ultrasound findings in peliosis hepatis. <i>Ultrasonography</i> , 2021, 40, 546-554.	1.0	8
79	Xanthogranulomatous cholecystitis: contrast-enhanced ultrasound features and differential diagnosis from wall-thickening gallbladder carcinoma. <i>Discovery Medicine</i> , 2016, 21, 89-98.	0.5	8
80	Homogeneity Parameter in Contrast-Enhanced Ultrasound Imaging Improves the Classification of Abnormal Cervical Lymph Node after Thyroidectomy in Patients with Papillary Thyroid Carcinoma. <i>BioMed Research International</i> , 2019, 2019, 1-8.	0.9	7
81	Characterization of Early Hepatocellular Carcinoma and High-Grade Dysplastic Nodules on Contrast-Enhanced Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 1799-1808.	0.8	7
82	Clinical application of dynamic contrast enhanced ultrasound in monitoring the treatment response of chemoradiotherapy of pancreatic ductal adenocarcinoma. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 1-10.	0.9	7
83	Differential diagnosis of gallbladder ascariasis debris: the added value of contrast enhanced ultrasound with high frequency transducer. <i>Medical Ultrasonography</i> , 2018, 20, 413.	0.4	7
84	A Nude Mouse Model of Orthotopic Liver Transplantation of Human Hepatocellular Carcinoma HCCLM3 Cell Xenografts and the Use of Imaging to Evaluate Tumor Progression. <i>Medical Science Monitor</i> , 2019, 25, 8694-8703.	0.5	7
85	Early treatment response to sorafenib for rabbit VX2 orthotic liver tumors: evaluation by quantitative contrast-enhanced ultrasound. <i>Tumor Biology</i> , 2015, 36, 2593-2599.	0.8	6
86	Contrast-enhanced ultrasound features of hepatocellular carcinoma not detected during the screening procedure. <i>Zeitschrift Fur Gastroenterologie</i> , 2017, 55, 748-753.	0.2	6
87	Contrast-Enhanced Ultrasound Features of Hepatic Reactive Lymphoid Hyperplasia: Correlation With Histopathologic Findings. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 2379-2388.	0.8	6
88	The value of dynamic contrast enhanced ultrasound (DCE-US) in monitoring treatment effect of high-intensity focused ultrasound (HIFU) in locally advanced pancreatic cancer (LAPC). <i>Clinical Hemorheology and Microcirculation</i> , 2021, 77, 323-333.	0.9	6
89	Ultrasound features of abdominal thrombosis in COVID 19 patients. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 82, 239-248.	0.9	6
90	Is Brachial Artery Blood Flow Measured by Sonography During Early Postoperative Periods Predictive of Arteriovenous Fistula Failure in Hemodialysis Patients?. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 1985-1992.	0.8	5

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91	Preliminary Clinical Experience with Shear Wave Dispersion Imaging for Liver Viscosity in Preoperative Diagnosis of Focal Liver Lesions. <i>Zeitschrift Fur Gastroenterologie</i> , 2020, 58, 847-854.	0.2	5
92	Can measuring perilesional tissue stiffness and stiff rim sign improve the diagnostic performance between benign and malignant breast lesions?. <i>Journal of Medical Ultrasonics (2001)</i> , 2021, 48, 53-61.	0.6	5
93	Prediction of pancreatic fistula after pancreatectomy by virtual touch tissue imaging and quantification (VTIQ) technology. <i>Pancreatology</i> , 2021, 21, 1498-1505.	0.5	5
94	Diagnostic Value of Automated 3D Ultrasound for Incisional Hernia. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1966-1972.	0.7	4
95	Early evaluation of treatment response to transarterial chemoembolization in patients with advanced hepatocellular carcinoma: The role of dynamic three-dimensional contrast-enhanced ultrasound. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 78, 365-377.	0.9	4
96	Multifunctional Composite Nanosystems for Precise/Enhanced Sonodynamic Oxidative Tumor Treatment. <i>Bioconjugate Chemistry</i> , 2022, 33, 1035-1048.	1.8	4
97	Savitzky-Golay Filter Based Quantitative Dynamic Contrast-Enhanced Ultrasound on Assessing Therapeutic Response in Mice with Hepatocellular Carcinoma. <i>Journal of Signal Processing Systems</i> , 2020, 92, 315-323.	1.4	3
98	Clinical application of two dimensional shear wave elastography with a propagation map in evaluating liver fibrosis in patients with liver tumors. <i>Clinical Hemorheology and Microcirculation</i> , 2023, 85, 93-104.	0.9	3
99	Imaging and Contrast-enhanced Ultrasound features of duodenal neuroendocrine tumor: A case report. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 27-32.	0.9	1
100	Baseline and contrast-enhanced ultrasound features of hepatic epithelioid angiomyolipoma. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 80, 447-461.	0.9	1
101	Malignant Liver Tumors. , 2021, , 37-100.		0
102	Characteristics of contrast-enhanced ultrasound in carcinogenesis of gallbladder papillary adenoma: A case report. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 78, 1-6.	0.9	0
103	Microwave coagulation/ablation in combination with sorafenib suppresses the overgrowth of residual tumor in VX2 liver tumor model. <i>Discovery Medicine</i> , 2016, 21, 459-68.	0.5	0
104	Incidentally Detected Liver Metastases during Pancreas Contrast-enhanced Ultrasound. <i>BIO Integration</i> , 2021, 2, .	0.9	0