Xiao-Yan Xie

List of Publications by Year
in descending order

91 papers	2,420 citations	304602 22 h-index	233338 45 g-index
95 all docs	95 docs citations	95 times ranked	3282 citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Photothermal Nanomedicine Mediated Distant Tumor Inhibition via PD-1 and TIM-3 Blockage. Frontiers in Chemistry, 2020, 8, 1.	1.8	434
2	Deep learning Radiomics of shear wave elastography significantly improved diagnostic performance for assessing liver fibrosis in chronic hepatitis B: a prospective multicentre study. Gut, 2019, 68, 729-741.	6.1	325
3	Ultrasound-based radiomics score: a potential biomarker for the prediction of microvascular invasion in hepatocellular carcinoma. European Radiology, 2019, 29, 2890-2901.	2.3	130
4	CT-based peritumoral radiomics signatures to predict early recurrence in hepatocellular carcinoma after curative tumor resection or ablation. Cancer Imaging, 2019, 19, 11.	1.2	120
5	Multiparametric ultrasomics of significant liver fibrosis: A machine learning-based analysis. European Radiology, 2019, 29, 1496-1506.	2.3	90
6	Contrast-Enhanced Ultrasound for the Characterization of Hepatocellular Carcinoma and Intrahepatic Cholangiocarcinoma. Liver Cancer, 2015, 4, 241-252.	4.2	76
7	Shear wave elastography versus real-time elastography on evaluation thyroid nodules: A preliminary study. European Journal of Radiology, 2014, 83, 1135-1143.	1.2	67
8	CT-based radiomics for preoperative prediction of early recurrent hepatocellular carcinoma: technical reproducibility of acquisition and scanners. Radiologia Medica, 2020, 125, 697-705.	4.7	63
9	Real-Time Shear Wave Ultrasound Elastography Differentiates Fibrotic from Inflammatory Strictures in Patients with Crohn's Disease. Inflammatory Bowel Diseases, 2018, 24, 2183-2190.	0.9	53
10	Optimizing the US Diagnosis of Biliary Atresia with a Modified Triangular Cord Thickness and Gallbladder Classification. Radiology, 2015, 277, 181-191.	3.6	47
11	Liver stiffness measurements with supersonic shear wave elastography in the diagnosis of biliary atresia: a comparative study with grey-scale US. European Radiology, 2017, 27, 3474-3484.	2.3	47
12	Multiparametric radiomics improve prediction of lymph node metastasis of rectal cancer compared with conventional radiomics. Life Sciences, 2018, 208, 55-63.	2.0	46
13	Peritumoral tissue on preoperative imaging reveals microvascular invasion in hepatocellular carcinoma: a systematic review and meta-analysis. Abdominal Radiology, 2018, 43, 3324-3330.	1.0	36
14	Maximum Value Measured by 2-D Shear Wave Elastography Helps in Differentiating Malignancy from Benign Focal Liver Lesions. Ultrasound in Medicine and Biology, 2016, 42, 2156-2166.	0.7	35
15	Preoperative prediction of tumour deposits in rectal cancer by an artificial neural network—based US radiomics model. European Radiology, 2020, 30, 1969-1979.	2.3	35
16	Comparison between M-score and LR-M in the reporting system of contrast-enhanced ultrasound LI-RADS. European Radiology, 2019, 29, 4249-4257.	2.3	33
17	Usefulness of Sonography in Evaluating Children Suspected of Malrotation. Journal of Ultrasound in Medicine, 2015, 34, 1825-1832.	0.8	31
18	Transplant renal artery stenosis: Evaluation with contrast-enhanced ultrasound. European Journal of Radiology, 2017, 90, 42-49.	1.2	31

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19	Contrast-enhanced ultrasound versus conventional ultrasound in the diagnosis of polypoid lesion of gallbladder: A multi-center study of dynamic microvascularization. Clinical Hemorheology and Microcirculation, 2013, 55, 359-374.	0.9	30
20	Artificial intelligence assists identifying malignant *versus* benign liver lesions using contrastâ€enhanced ultrasound. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 2875-2883.	1.4	30
21	Differentiation of intrahepatic cholangiocarcinoma from hepatocellular carcinoma in high-risk patients: A predictive model using contrast-enhanced ultrasound. World Journal of Gastroenterology, 2018, 24, 3786-3798.	1.4	30
22	Assessment of liver fibrosis in chronic hepatitis B using acoustic structure quantification: quantitative morphological ultrasound. European Radiology, 2016, 26, 2344-2351.	2.3	27
23	The application value of contrast-enhanced ultrasound in the differential diagnosis of pancreatic solid-cystic lesions. European Journal of Radiology, 2012, 81, 1432-1437.	1.2	23
24	Sorafenib versus hepatic arterial infusion chemotherapy for advanced hepatocellular carcinoma: a systematic review and meta-analysis. Japanese Journal of Clinical Oncology, 2019, 49, 845-855.	0.6	23
25	Percutaneous thermal ablation for the treatment of colorectal liver metastases and hepatocellular carcinoma: a comparison of local therapeutic efficacy. International Journal of Hyperthermia, 2017, 33, 446-453.	1.1	22
26	Percutaneous US-guided Cholecystocholangiography with Microbubbles for Assessment of Infants with US Findings Equivocal for Biliary Atresia and Gallbladder Longer than 1.5 cm: A Pilot Study. Radiology, 2018, 286, 1033-1039.	3.6	21
27	Hepatocellular adenoma: comparison between real-time contrast-enhanced ultrasound and dynamic computed tomography. SpringerPlus, 2016, 5, 951.	1.2	20
28	Assessment of Rectal Tumors with Shear-Wave Elastography before Surgery: Comparison with Endorectal US. Radiology, 2017, 285, 279-292.	3.6	19
29	Using new criteria to improve the differentiation between HCC and non-HCC malignancies: clinical practice and discussion in CEUS LI-RADS 2017. Radiologia Medica, 2022, 127, 1-10.	4.7	19
30	Impact Factors and the Optimal Parameter of Acoustic Structure Quantification in the Assessment of Liver Fibrosis. Ultrasound in Medicine and Biology, 2015, 41, 2360-2367.	0.7	18
31	Sonographic Features of Thyroid Nodules That May Help Distinguish Clinically Atypical Subacute Thyroiditis From Thyroid Malignancy. Journal of Ultrasound in Medicine, 2015, 34, 689-696.	0.8	18
32	Diagnostic nomogram for gallbladder wall thickening mimicking malignancy: using contrast-enhanced ultrasonography or multi-detector computed tomography?. Abdominal Radiology, 2017, 42, 2436-2446.	1.0	18
33	The value of clinical and ultrasound features for the diagnosis of infantile hepatic hemangioma: Comparison with contrast-enhanced CT/MRI. Clinical Imaging, 2018, 51, 311-317.	0.8	17
34	Malignancy risk stratification and FNA recommendations for thyroid nodules: A comparison of ACR TI-RADS, AACE/ACE/AME and ATA guidelines. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2020, 41, 102625.	0.6	17
35	Preoperative Pathological Grading of Hepatocellular Carcinoma Using Ultrasomics of Contrast-Enhanced Ultrasound. Academic Radiology, 2021, 28, 1094-1101.	1.3	17
36	Risk Factors for Bile Duct Injury After Percutaneous Thermal Ablation of Malignant Liver Tumors: A Retrospective Caseâ€"Control Study. Digestive Diseases and Sciences, 2017, 62, 1086-1094.	1.1	16

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37	Machine Learning-Based Ultrasomics Improves the Diagnostic Performance in Differentiating Focal Nodular Hyperplasia and Atypical Hepatocellular Carcinoma. Frontiers in Oncology, 2021, 11, 544979.	1.3	16
38	Intracavitary Contrast-enhanced Ultrasonography to Detect Enterovesical Fistula in Crohn's Disease. Gastroenterology, 2016, 150, 315-317.	0.6	15
39	Do hepatocellular carcinomas located in subcapsular space or in proximity to vessels increase the rate of local tumor progression? A meta-analysis. Life Sciences, 2018, 207, 381-385.	2.0	13
40	Relationship between carotid intima-media thickness and carotid artery stiffness assessed by ultrafast ultrasound imaging in patients with type 2 diabetes. European Journal of Radiology, 2019, 111, 34-40.	1.2	13
41	Inter-reader agreement of CEUS LI-RADS among radiologists with different levels of experience. European Radiology, 2021, 31, 6758-6767.	2.3	13
42	Potential diagnostic performance of contrast-enhanced ultrasound and tumor markers in differentiating combined hepatocellular–cholangiocarcinoma from hepatocellular carcinoma and cholangiocarcinoma. Journal of Medical Ultrasonics (2001), 2018, 45, 231-241.	0.6	12
43	Intra-Cavitary Contrast-Enhanced Ultrasound: A Novel Radiation-Free Method for Detecting Abscess-Associated Penetrating Disease in Crohn's Disease. Journal of Crohn's and Colitis, 2019, 13, 593-599.	0.6	12
44	Preoperative Survival Prediction in Intrahepatic Cholangiocarcinoma Using an Ultrasound‐Based Radiographic‐Radiomics Signature. Journal of Ultrasound in Medicine, 2022, 41, 1483-1495.	0.8	12
45	Multiple cavernous hemangiomas of the lung and liver mimicking metastasis. Medicine (United States), 2018, 97, e13509.	0.4	11
46	Shear wave elastography-based ultrasomics: differentiating malignant from benign focal liver lesions. Abdominal Radiology, 2021, 46, 237-248.	1.0	11
47	Contrast‐Enhanced Ultrasound for Differentiation Between Poorly Differentiated Hepatocellular Carcinoma and Intrahepatic Cholangiocarcinoma. Journal of Ultrasound in Medicine, 2022, 41, 1213-1225.	0.8	11
48	Treatment effect of radiofrequency ablation versus liver transplantation and surgical resection for hepatocellular carcinoma within Milan criteria: a population-based study. European Radiology, 2021, 31, 5379-5389.	2.3	11
49	Differentiation between combined hepatocellular cholangiocarcinoma and hepatocellular carcinoma: comparison of diagnostic performance between ultrasomics-based model and CEUS LI-RADS v2017. BMC Medical Imaging, 2022, 22, 36.	1.4	10
50	Outcomes after hepatectomy of patients with positive HBcAb Non-B Non-C hepatocellular carcinoma compared to overt hepatitis B virus hepatocellular carcinoma. Clinical and Translational Oncology, 2020, 22, 401-410.	1.2	9
51	Treatment strategies for hepatocellular carcinoma with extrahepatic metastasis. World Journal of Clinical Cases, 2021, 9, 5754-5768.	0.3	9
52	Association of Simple Anthropometric Indices and Body Fat with Early Atherosclerosis and Lipid Profiles in Chinese Adults. PLoS ONE, 2014, 9, e104361.	1.1	9
53	The role of quantitation of real-time 3-dimensional contrast-enhanced ultrasound in detecting microvascular invasion: an in vivo study. Abdominal Radiology, 2016, 41, 1973-1979.	1.0	8
54	LR-M Observations on Contrast-Enhanced Ultrasound: Detection of Hepatocellular Carcinoma Using Additional Features in Comparison With Current LI-RADS Criteria. American Journal of Roentgenology, 2022, 219, 76-85.	1.0	8

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55	Elastography of shear wave speed imaging for the evaluation of liver fibrosis: A metaâ€analysis. Hepatology Research, 2016, 46, 1203-1213.	1.8	7
56	Ultrasound and Contrast-Enhanced Ultrasound for Evaluation of Irreversible Electroporation Ablation: InÂVivo Proof of Concept in Normal Porcine Liver. Ultrasound in Medicine and Biology, 2016, 42, 2639-2649.	0.7	7
57	Focal Lesions in Fatty Liver: If Quantitative Analysis Facilitates the Differentiation of Atypical Benign from Malignant Lesions. Scientific Reports, 2016, 6, 18640.	1.6	7
58	Thermal Field Distributions of Ablative Experiments Using Cyst-mimicking Phantoms. Academic Radiology, 2018, 25, 636-642.	1.3	7
59	Application of Contrastâ€Enhanced Ultrasound in the Diagnosis of Solid Pseudopapillary Tumors of the Pancreas: Imaging Findings Compared With Contrastâ€Enhanced Computed Tomography. Journal of Ultrasound in Medicine, 2019, 38, 3247-3255.	0.8	7
60	Postsurgical Management of Dilated Biliary Tract in Children: Ultrasound-Guided Percutaneous Transhepatic Cholangial Drainage and Subsequent Percutaneous Ultrasound Cholangiography. American Journal of Roentgenology, 2020, 214, 1377-1383.	1.0	7
61	Longitudinal Bowel Behavior Assessed by Bowel Ultrasound to Predict Early Response to Anti-TNF Therapy in Patients With Crohnâ€™s Disease: A Pilot Study. Inflammatory Bowel Diseases, 2022, 28, S67-S75.	0.9	7
62	An assessment of liver lesions using a combination of CEUS LI-RADS and AFP. Abdominal Radiology, 2022, 47, 1311-1320.	1.0	7
63	Pathological considerations of CEUS LI-RADS: correlation with fibrosis stage and tumour histological grade. European Radiology, 2021, 31, 5680-5688.	2.3	6
64	Added value of two-dimensional shear wave elastography to ultrasonography for staging common femoral vein thrombi. Medical Ultrasonography, 2017, 19, 51.	0.4	5
65	Value of flaccid penile ultrasound in screening for arteriogenic impotence: a preliminary prospective study. BMC Medical Imaging, 2018, 18, 40.	1.4	4
66	Multiple-Electrode Switching-Based Radiofrequency Ablation vs. Conventional Radiofrequency Ablation for Single Early-Stage Hepatocellular Carcinoma Ranging From 2 to 5 Cm. Frontiers in Oncology, 2020, 10, 1150.	1.3	4
67	Can Combined Screening of Ultrasound and Elastography Improve Breast Cancer Identification Compared with MRI in Women with Dense Breasts-a Multicenter Prospective Study. Journal of Cancer, 2020, 11, 3903-3909.	1.2	4
68	Tumor size-based validation of contrast-enhanced ultrasound liver imaging reporting and data system (CEUS LI-RADS) 2017 for hepatocellular carcinoma characterizing. British Journal of Radiology, 2021, 94, 20201359.	1.0	4
69	Contrast-enhanced ultrasoundâ€"based ultrasomics score: a potential biomarker for predicting early recurrence of hepatocellular carcinoma after resection or ablation. British Journal of Radiology, 2022, 95, 20210748.	1.0	4
70	Assessment of angiogenesis in rabbit orthotropic liver tumors using three-dimensional dynamic contrast-enhanced ultrasound compared with two-dimensional DCE-US. Japanese Journal of Radiology, 2019, 37, 701-709.	1.0	3
71	A Rare Case of Liver Tumor. Gastroenterology, 2019, 157, e5-e7.	0.6	3
72	Application of contrast-enhanced ultrasonography in the diagnosis of post-kidney transplant lymphoproliferative disorder in native kidney- a case report. BMC Cancer, 2019, 19, 1135.	1.1	3

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73	The Prognosis of Type III Biliary Atresia with Hilar Cyst. Indian Journal of Pediatrics, 2020, 88, 650-655.	0.3	3
74	Lesion outline and thermal field distribution of ablative in vitro experiments in myocardia: comparison of radiofrequency and laser ablation. BMC Cardiovascular Disorders, 2020, 20, 454.	0.7	3
75	Application of contrast-enhanced ultrasonography for large cell neuroendocrine carcinoma in the urinary bladder: a case report. BMC Medical Imaging, 2020, 20, 46.	1.4	3
76	The Role of Real-Time Contrast-Enhanced Ultrasound in Guiding Radiofrequency Ablation of Reninoma: Case Report and Literature Review. Frontiers in Oncology, 2021, 11, 585257.	1.3	3
77	RGB Three-Channel SWE-Based Ultrasomics Model: Improving the Efficiency in Differentiating Focal Liver Lesions. Frontiers in Oncology, 2021, 11, 704218.	1.3	3
78	Comparison of Real-Time Two-Dimensional and Three-Dimensional Contrast-Enhanced Ultrasound to Quantify Flow in an In Vitro Model: A Feasibility Study. Medical Science Monitor, 2019, 25, 10029-10035.	0.5	3
79	Contrast-enhanced US diagnostic algorithm of hepatocellular carcinoma in patients with occult hepatitis B. Abdominal Radiology, 2021, 47, 608.	1.0	3
80	Non-Invasive Diagnostic Criteria for Hepatocellular Carcinoma in Hepatitis B Virus-Endemic Areas: Is Cirrhosis Indispensable?. Digestive Diseases, 2018, 36, 228-235.	0.8	2
81	Clinicopathological findings and imaging features of intraductal papillary neoplasm of the bile duct: comparison between contrast-enhanced ultrasound and contrast-enhanced computed tomography. Abdominal Radiology, 2019, 44, 2409-2417.	1.0	2
82	Percutaneous thermal ablation of hepatic tumors: local control efficacy and risk factors for artificial ascites failure. International Journal of Hyperthermia, 2021, 38, 461-470.	1.1	2
83	Testicular quantitative ultrasound: A noninvasive monitoring method for evaluating spermatogenic function in busulfanâ€induced testicular injury mouse models. Andrologia, 2021, 53, e13927.	1.0	2
84	<scp>Contrastâ€Enhanced</scp> Ultrasoundâ€Based Nomogram. Journal of Ultrasound in Medicine, 2022, 41, 1925-1938.	0.8	2
85	Hilar biliary neurofibroma without neurofibromatosis: case report with contrast-enhanced ultrasound findings. Journal of Medical Ultrasonics (2001), 2016, 43, 537-543.	0.6	1
86	IDDF2019-ABS-0148â€…Focal liver lesion classification using a convolutional neural network based transfer-learning algorithm on tri-phase images of contrast-enhanced ultrasound. , 2019, , .		1
87	Preliminary investigation of the diagnostic value of shear wave elastography in evaluating the testicular spermatogenic function in patients with azoospermia. Andrologia, 2021, 53, e14039.	1.0	1
88	Ultrasound virtual endoscopy: Polyp detection and reliability of measurement in an<i>in vitro</i>study with pig intestine specimens. World Journal of Gastroenterology, 2016, 22, 3355-3362.	1.4	1
89	Transabdominal Ultrasound Colonography for Detection of Colorectal Neoplasms: Initial Clinical Experience. Ultrasound in Medicine and Biology, 2017, 43, 2174-2181.	0.7	0
90	Thermal ablation versus hepatic resection for the treatment of liver metastases from gastrointestinal stromal tumors: a retrospective study. International Journal of Hyperthermia, 2020, 37, 592-599.	1.1	0

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91	Can monodisperse microbubble-based three-dimensional contrast-enhanced ultrasound reduce quantitative heterogeneity? An in vitro study. Advances in Clinical and Experimental Medicine, 2022, 31, 307-315.	0.6	0