

Ultrasound Elastography: Review of Techniques and Clinical

Theranostics

7, 1303-1329

DOI: 10.7150/thno.18650

Citation Report

#	ARTICLE	IF	CITATIONS
1	Investigation of the acute plantar fasciitis with contrast-enhanced ultrasound and shear wave elastography – first results. Clinical Hemorheology and Microcirculation, 2017, 67, 415-423.	1.7	11
2	Multiparametric ultrasound findings of tuberculous orchitis following bacillus Calmette-Guérin therapy. Radiology Case Reports, 2017, 12, 746-751.	0.6	2
3	Image-guided thermal ablation of benign thyroid nodules. Journal of Ultrasound, 2017, 20, 347-349.	1.3	11
4	Liver fibrosis: the 2017 state of art. Panminerva Medica, 2017, 59, 320-331.	0.8	53
5	Machine learning for medical ultrasound: status, methods, and future opportunities. Abdominal Radiology, 2018, 43, 786-799.	2.1	161
6	Principles of ultrasound elastography. Abdominal Radiology, 2018, 43, 773-785.	2.1	163
7	The Mechanical Characterisation of Bovine Embolus Analogues Under Various Loading Conditions. Cardiovascular Engineering and Technology, 2018, 9, 489-502.	1.6	23
8	Experience of Using Shear Wave Elastography Imaging in Superficial Venous Insufficiency of the Lower Extremity. Ultrasound Quarterly, 2018, 34, 176-182.	0.8	4
9	Experience of Using Shear Wave Elastography Imaging in Evaluation of Undescended Testes in Children. Ultrasound Quarterly, 2018, 34, 206-212.	0.8	11
10	Biomechanical Analysis of the Damage in the Pelvic Floor Muscles During Childbirth. Lecture Notes in Computational Vision and Biomechanics, 2018, , 133-142.	0.5	1
11	Women's Health and Biomechanics. Lecture Notes in Computational Vision and Biomechanics, 2018, , .	0.5	0
12	Outcomes of ultrasound guided renal mass biopsies. Journal of Ultrasound, 2018, 21, 99-104.	1.3	15
13	The role of shear wave elastography on evaluation of the rigidity changes of corpus cavernosum penis in venogenic erectile dysfunction. European Journal of Radiology, 2018, 103, 1-5.	2.6	17
14	Determination of Normal Skin Elasticity by Using Real-time Shear Wave Elastography. Journal of Ultrasound in Medicine, 2018, 37, 2507-2516.	1.7	41
15	Clinical acceptance testing and scanner comparison of ultrasound shear wave elastography. Journal of Applied Clinical Medical Physics, 2018, 19, 336-342.	1.9	6
16	Does Lesion Size Affect the Value of Shear Wave Elastography for Differentiating Between Benign and Malignant Thyroid Nodules?. Journal of Ultrasound in Medicine, 2018, 37, 601-609.	1.7	19
17	Comparison of ultrasound shear wave elastography with magnetic resonance elastography and renal microvascular flow in the assessment of chronic renal allograft dysfunction. Acta Radiologica, 2018, 59, 1139-1145.	1.1	23
18	Magnetic resonance elastography: beyond liver fibrosis—a case-based pictorial review. Abdominal Radiology, 2018, 43, 1590-1611.	2.1	39

#	ARTICLE	IF	CITATIONS
19	Real-time and non-invasive measurements of cell mechanical behaviour with optical coherence phase microscopy. <i>Methods</i> , 2018, 136, 126-133.	3.8	3
20	Non-invasive in vivo Imaging Grading of Liver Fibrosis. <i>Journal of Clinical and Translational Hepatology</i> , 2018, 6, 1-10.	1.4	22
21	Elastography-One Step Ahead. <i>Northern International Medical College Journal</i> , 2018, 9, 243-244.	0.0	0
22	Estimating the Relative Stiffness between a Hepatic Lesion and the Liver Parenchyma through Biomechanical Simulations of the Breathing Process. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	1.1	0
23	Evaluation of the healthy median nerve elasticity. <i>Medicine (United States)</i> , 2018, 97, e12956.	1.0	23
24	Efficient Sensitivity Based Reconstruction Technique to Accomplish Breast Hyperelastic Elastography. <i>BioMed Research International</i> , 2018, 2018, 1-16.	1.9	2
25	Usability of Transthoracic Shear Wave Elastography in Differentiation of Subpleural Solid Masses. <i>Ultrasound Quarterly</i> , 2018, 34, 233-237.	0.8	20
26	Ultrasound Elastography Applications in Pediatrics. <i>Ultrasound Quarterly</i> , 2018, 34, 199-205.	0.8	20
27	Shear Wave Elasticity Measurements of Three-Dimensional Cancer Cell Cultures Using Laser Speckle Contrast Imaging. <i>Scientific Reports</i> , 2018, 8, 14470.	3.3	8
28	Esophageal cancer N staging study with endoscopic ultrasonography. <i>Oncology Letters</i> , 2019, 17, 863-870.	1.8	3
29	Shear wave velocity measurements of the brachial artery in a population with end-stage renal disease. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 057002.	1.2	2
30	Experimental Investigation of Guided Wave Imaging in Thin Soft Media under Various Coupling Conditions. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2821-2837.	1.5	6
31	Effect of High-Induction Magnetic Stimulation on Elasticity of the Patellar Tendon. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-8.	1.9	6
32	Non-invasive assessment of liver fibrosis: exploring the opportunity for a low-cost approach using the Genoa Line Quantification. <i>Panminerva Medica</i> , 2018, 60, 77-79.	0.8	0
33	Shear-wave elastography in the diagnosis of ulnar tunnel syndrome. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018, 71, 1593-1599.	1.0	26
34	Diagnostic Performance of Transient Elastography for Liver Fibrosis in Children: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2018, 211, W257-W266.	2.2	36
35	Ultrasound elastography is useful to distinguish acute and chronic deep vein thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 2482-2491.	3.8	18
36	Shear wave elastography can assess the in-vivo nonlinear mechanical behavior of heel-pad. <i>Journal of Biomechanics</i> , 2018, 80, 144-150.	2.1	16

#	ARTICLE	IF	CITATIONS
37	Liver Ultrasound Elastography: An Update to the World Federation for Ultrasound in Medicine and Biology Guidelines and Recommendations. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2419-2440.	1.5	357
38	Point Shear Wave Elastography for Grading Liver Fibrosis: Can the Number of Measurements Be Reduced?. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2569-2577.	1.5	1
39	A Novel Scoring System for Prediction of Prostate Cancer Based on Shear Wave Elastography and Clinical Parameters. <i>Urology</i> , 2018, 121, 112-117.	1.0	4
40	Analysis of three ultrasound elastography techniques for grading liver fibrosis in patients with chronic hepatitis B. <i>Radiologia Medica</i> , 2018, 123, 735-741.	7.7	14
41	In silico simulation of liver crack detection using ultrasonic shear wave imaging. <i>BMC Medical Imaging</i> , 2018, 18, 15.	2.7	1
42	Effect of HCV Core Antigen and RNA Clearance during Therapy with Direct Acting Antivirals on Hepatic Stiffness Measured with Shear Wave Elastography in Patients with Chronic Viral Hepatitis C. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 198.	2.5	5
43	Ultrasound-Based Liver Stiffness Surveillance in Patients Treated for Chronic Hepatitis B or C. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 626.	2.5	3
44	Current Knowledge in Ultrasound-Based Liver Elastography of Pediatric Patients. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 944.	2.5	18
45	Correlation between stress drop and applied strain as a biomarker for tumor detection. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 86, 450-462.	3.1	2
46	In vivo assessment of spinal cord elasticity using shear wave ultrasound in dogs. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 461-469.	1.7	11
47	Simultaneous magnetic resonance and optical elastography acquisitions: Comparison of displacement images and shear modulus estimations using a single vibration source. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 84, 135-144.	3.1	11
48	Ultrasound elastography: compression elastography and shear-wave elastography in the assessment of tendon injury. <i>Insights Into Imaging</i> , 2018, 9, 791-814.	3.4	104
49	Renal Functional MRI and Its Application. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 863-881.	3.4	14
50	Hamstring stiffness pattern during contraction in healthy individuals: analysis by ultrasound-based shear wave elastography. <i>European Journal of Applied Physiology</i> , 2018, 118, 2403-2415.	2.5	33
51	Evaluation of the Effect of Tissue Compression on the Results of Shear Wave Elastography Measurements. <i>Ultrasonic Imaging</i> , 2018, 40, 380-393.	2.6	14
52	Coaxial excitation longitudinal shear wave measurement for quantitative elasticity assessment using phase-resolved optical coherence elastography. <i>Optics Letters</i> , 2018, 43, 2388.	3.3	30
53	Ultrasound Shear Wave Elastography: Variations of Liver Fibrosis Assessment as a Function of Depth, Force and Distance from Central Axis of the Transducer with a Comparison of Different Systems. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2209-2222.	1.5	13
54	Shear wave elastography of the brachial plexus roots at the interscalene groove. <i>Neurological Research</i> , 2018, 40, 805-810.	1.3	15

#	ARTICLE	IF	CITATIONS
55	Obesity, metabolic disease and the pancreasâ€”Quantitative imaging of pancreatic fat. <i>British Journal of Radiology</i> , 2018, 91, 20180267.	2.2	53
56	Carpal Tunnel Syndrome: Evaluation of the Effects of Lowâ€Level Laser Therapy With Ultrasound Strain Imaging. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 113-122.	1.7	15
57	Acoustic radiation force optical coherence elastography for elasticity assessment of soft tissues. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 457-481.	6.7	25
58	Diagnostic Performance of Ultrasound Elastography for Evaluating Portal Hypertension in Children: A Systematic Review and Metaâ€Analysis. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 747-759.	1.7	18
59	Transvaginal Ultrasound Shear Wave Elastography for the Evaluation of Benign Uterine Pathologies: A Prospective Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 149-155.	1.7	34
60	Reduction in stiffness of proximal leg muscles during the first 6 months of glucocorticoid therapy for giant cell arteritis: A pilot study using shear wave elastography. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 1891-1899.	1.9	4
61	Evolving Management Strategies for Nonalcoholic Fatty Liver Diseaseâ€Targeting Primary Care Physicians. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 611-618.	4.4	1
62	Reliability of ultrasound strain elastography in the assessment of the quadriceps and patellar tendon in healthy adults. <i>Ultrasound</i> , 2019, 27, 252-261.	0.7	15
63	Diagnostic Performance of Ultrasound Shear Wave Elastography in Solid Small (â‰¤4 cm) Renal Parenchymal Masses. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2328-2337.	1.5	9
64	2D shear wave elastography: measurement acquisition and reliability criteria in noninvasive assessment of liver fibrosis. <i>Abdominal Radiology</i> , 2019, 44, 3285-3294.	2.1	9
65	Ultrasound Transducer for Deep Quantitative Elastography. <i>IFMBE Proceedings</i> , 2019, , 565-570.	0.3	0
66	Accuracy and precision of ultrasound shear wave elasticity measurements according to target elasticity and acquisition depth: A phantom study. <i>PLoS ONE</i> , 2019, 14, e0219621.	2.5	8
67	Imaging the Vocal Folds: A Feasibility Study on Strain Imaging and Elastography of Porcine Vocal Folds. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2729.	2.5	6
68	Noninvasive staging of pressure ulcers using photoacoustic imaging. <i>Wound Repair and Regeneration</i> , 2019, 27, 488-496.	3.0	27
69	Usefulness of noninvasive methods including assessment of liver stiffness by 2-dimensional shear wave elastography for predicting esophageal varices. <i>Digestive and Liver Disease</i> , 2019, 51, 1706-1712.	0.9	10
70	Prediction of Postprostatectomy Biochemical Recurrence Using Quantitative Ultrasound Shear Wave Elastography Imaging. <i>Frontiers in Oncology</i> , 2019, 9, 572.	2.8	11
71	Kelvinâ€Voigt Parameters Reconstruction of Cervical Tissue-Mimicking Phantoms Using Torsional Wave Elastography. <i>Sensors</i> , 2019, 19, 3281.	3.8	15
72	Elastography-based screening for esophageal varices in patients with advanced chronic liver disease. <i>World Journal of Gastroenterology</i> , 2019, 25, 308-329.	3.3	55

#	ARTICLE	IF	CITATIONS
73	Ultrasound elastography for the evaluation of peripheral nerves: A systematic review. Muscle and Nerve, 2019, 60, 501-512.	2.2	59
74	Noninvasive Multimodal Methods to Differentiate Inflamed vs Fibrotic Strictures in Patients With Crohn's Disease. Clinical Gastroenterology and Hepatology, 2019, 17, 2397-2415.	4.4	43
75	Reducing Unnecessary Biopsy of Breast Lesions: Preliminary Results with Combination of Strain and Shear-Wave Elastography. Ultrasound in Medicine and Biology, 2019, 45, 2317-2327.	1.5	19
76	Elastography of multicellular spheroids using 3D light microscopy. Biomedical Optics Express, 2019, 10, 2409.	2.9	15
77	Do functional changes occur in the bladder due to bladder outlet obstruction? â€•ICIâ€•RS 2018. Neurourology and Urodynamics, 2019, 38, S56-S65.	1.5	19
78	ACR TI-RADS: Pitfalls, Solutions, and Future Directions. Radiographics, 2019, 39, 2040-2052.	3.3	57
79	Pediatric Liver Ultrasound Elastography. Journal of Radiology Nursing, 2019, 38, 250-253.	0.4	0
80	Applying Non-Invasive Fibrosis Measurements in NAFLD/NASH: Progress to Date. Pharmaceutical Medicine, 2019, 33, 451-463.	1.9	12
81	Sound Transmission-Based Elastography Imaging. IEEE Access, 2019, 7, 74383-74392.	4.2	2
82	Experimental pancreatic cancer develops in soft pancreas: novel leads for an individualized diagnosis by ultrafast elasticity imaging. Theranostics, 2019, 9, 6369-6379.	10.0	10
83	Noninvasive liver fibrosis assessment in chronic viral hepatitis C: agreement among 1D transient elastography, 2D shear wave elastography, and magnetic resonance elastography. Abdominal Radiology, 2019, 44, 4011-4021.	2.1	14
84	Usefulness of noninvasive shear wave elastography for the assessment of hepatic fibrosis in dogs with hepatic disease. Journal of Veterinary Internal Medicine, 2019, 33, 2067-2074.	1.6	23
85	Advanced Ultrasound Techniques in Preoperative Diagnostic of Thyroid Cancers. , 0, , .		2
86	A Mechatronic Platform for Computer Aided Detection of Nodules in Anatomopathological Analyses via Stiffness and Ultrasound Measurements. Sensors, 2019, 19, 2512.	3.8	4
87	Differentiating cervical metastatic lymphadenopathy and lymphoma by shear wave elastography. Scientific Reports, 2019, 9, 12396.	3.3	20
88	Photoacoustic identification of blood vessel deformation under pressure. AIP Advances, 2019, 9, .	1.3	4
89	Combining Total Variation Regularization with Window-Based Time Delay Estimation in Ultrasound Elastography. IEEE Transactions on Medical Imaging, 2019, 38, 2744-2754.	8.9	35
90	Ultrasound elastography in the evaluation of thyroid nodules: evolution of a promising diagnostic tool for predicting the risk of malignancy. Radiologia Brasileira, 2019, 52, 247-253.	0.7	15

#	ARTICLE	IF	CITATIONS
91	Which Confounders Have the Largest Impact in Shear Wave Elastography of Muscle and How Can They be Minimized? An Elasticity Phantom, Ex Vivo Porcine Muscle and Volunteer Study Using a Commercially Available System. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2591-2611.	1.5	22
92	Toward a Quality Predictor for Stereoscopic Images via Analysis of Human Binocular Visual Perception. <i>IEEE Access</i> , 2019, 7, 69283-69291.	4.2	8
93	Strain Ultrasound Elastography in the Achilles Tendon of Ankylosing Spondylitis Patients Treated With Anti-TNF- α : A Preliminary Study. <i>In Vivo</i> , 2019, 33, 1635-1640.	1.3	5
94	Placental elasticity assessment by point shear wave elastography in pregnancies with intrauterine growth restriction. <i>Journal of Perinatal Medicine</i> , 2019, 47, 841-846.	1.4	20
95	Sagittal Measurement of Tongue Movement During Respiration: Comparison Between Ultrasonography and Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 921-934.	1.5	14
96	Consenso mexicano de la enfermedad por hÃgado graso no alcohÃlico. <i>Revista De GastroenterologÃa De MÃxico</i> , 2019, 84, 69-99.	0.2	26
97	Monitoring Breast Cancer Response to Neoadjuvant Chemotherapy Using Ultrasound Strain Elastography. <i>Translational Oncology</i> , 2019, 12, 1177-1184.	3.7	35
98	Point Shear Wave Elastography Using Machine Learning to Differentiate Renal Cell Carcinoma and Angiomyolipoma. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1944-1954.	1.5	10
99	Thermoacoustic elastography: recovery of bulk elastic modulus of heterogeneous media using tomographically measured thermoacoustic measurements. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 625-635.	2.0	5
100	Interaction of ultrasound with microporous polyethylene scaffolds. <i>Applied Acoustics</i> , 2019, 153, 102-109.	3.3	6
101	Transvaginal Real-time Shear Wave Elastography in the Diagnosis of Cervical Disease. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3173-3181.	1.7	16
102	Strain wave elastography in response assessment to neo-adjuvant chemotherapy in patients with locally advanced breast cancer. <i>British Journal of Radiology</i> , 2019, 92, 20180515.	2.2	18
103	Acoustic radiation force impulse imaging of biopsy-proven Kikuchi disease: initial experiences for evaluating feasibility in pediatric patients. <i>Ultrasonography</i> , 2019, 38, 58-66.	2.3	4
104	Comparison of Shear Wave Elastography and Conventional Ultrasound in Assessing Kidney Function as Measured Using 51Cr-ethylenediaminetetraacetic Acid and 99Tc-Dimercaptosuccinic Acid. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1417-1426.	1.5	7
105	In vivo assessment of the mechanical properties of crystalline lenses in a rabbit model using ultrasound elastography: Effects of ultrasound frequency and age. <i>Experimental Eye Research</i> , 2019, 184, 258-265.	2.6	7
106	Exploiting Ballou's rule for better tissue classification. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2103-2112.	1.1	3
107	Diagnostic effect of shear wave elastography imaging for differentiation of malignant liver lesions: a meta-analysis. <i>BMC Gastroenterology</i> , 2019, 19, 60.	2.0	16
108	Spatial-Temporal Changes of Mechanical Microenvironment in Skin Wounds During Negative Pressure Wound Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1762-1770.	5.2	10

#	ARTICLE	IF	CITATIONS
109	Prostate Cancer Detection and Diagnosis: Role of Ultrasound with MRI Correlates. Current Radiology Reports, 2019, 7, 1.	1.4	7
111	Ultrasound Elastography of the Bowel. , 2019, , 35-47.		0
112	Renal shear wave elastography and urinary procollagen type III amino-terminal propeptide (uPIIINP) in feline chronic kidney disease. BMC Veterinary Research, 2019, 15, 54.	1.9	13
113	Evaluation of liver and spleen stiffness of healthy dogs by use of two-dimensional shear wave elastography. American Journal of Veterinary Research, 2019, 80, 378-384.	0.6	17
114	Current Imaging Techniques for Noninvasive Staging of Hepatic Fibrosis. American Journal of Roentgenology, 2019, 213, 77-89.	2.2	27
115	The Mexican consensus on nonalcoholic fatty liver disease. Revista De GastroenterologÃa De MÃ©xico (English Edition), 2019, 84, 69-99.	0.2	6
116	Noninvasive assessment of liver fibrosis in pediatric intestinal failure patients using liver stiffness measurement by Vibration-Controlled Transient Elastography. Journal of Pediatric Surgery, 2019, 54, 1174-1178.	1.6	9
117	Objective evaluation of fat tissue induration after breast reconstruction using a deep inferior epigastric perforator (DIEP) flap. Journal of Plastic Surgery and Hand Surgery, 2019, 53, 125-129.	0.8	2
118	Multifactor Analysis of Thyroid Stiffness in Graves Disease: A Preliminary Study. American Journal of Roentgenology, 2019, 212, 950-957.	2.2	4
119	Diagnostic accuracy of shear wave elastography â€“ Virtual touchâ„¢ imaging quantification in the evaluation of breast masses: Impact on ultrasonographyâ€™s specificity and its ultimate clinical benefit. European Journal of Radiology, 2019, 113, 74-80.	2.6	10
120	The effect of ageing on shear wave elastography muscle stiffness in adults. Aging Clinical and Experimental Research, 2019, 31, 1755-1763.	2.9	96
121	Elastogram: Physics, Clinical Applications, and Risks. Maternal-Fetal Medicine, 2019, 1, 113-122.	0.8	7
122	Improvement in Inclusion Contrast-to-Noise Ratio for Low-Displacement Acoustic Radiation Force (ARF) Elasticity Imaging Using a 3D Kernel Blind-Source Separation (BSS) Based Displacement Estimator. , 2019, , .		1
123	HCC in Cirrhotic and Non-cirrhotic Liver: Timing to Surgery and Outcome - State of the Art. , 0, , .		0
124	Imaging methods in primary SjÃ¶rgrenâ€™s syndrome as potential tools of disease diagnostics and monitoring. Reumatologia, 2019, 57, 336-342.	1.1	12
125	Elastography of vocal folds. Journal of Physics: Conference Series, 2019, 1379, 012016.	0.4	1
126	Ultrasound-based elastography: â€œhardâ€•to implement in the pleural effusion work-up?. European Respiratory Journal, 2019, 54, 1901587.	6.7	9
127	A Fully Convolutional Neural Network for Rapid Displacement Estimation in ARFI Imaging. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
128	Pilot in vivo studies on transcutaneous boiling histotripsy in porcine liver and kidney. Scientific Reports, 2019, 9, 20176.	3.3	32
129	Role of Probiotics in Non-alcoholic Fatty Liver Disease: Does Gut Microbiota Matter?. Nutrients, 2019, 11, 2837.	4.1	64
130	Breast Cancer Assessment With Pulse-Echo Speed of Sound Ultrasound From Intrinsic Tissue Reflections. Investigative Radiology, 2019, 54, 419-427.	6.2	28
131	The Reference Phase Correction for the Fluctuated Scanning Lines and the Slope of the Stage in Tissue Characterization by Scanning Acoustic Microscope. Applied Sciences (Switzerland), 2019, 9, 4883.	2.5	0
132	Quantitative Elastography of Rectal Lesions: The Value of Shear Wave Elastography in Identifying Benign and Malignant Rectal Lesions. Ultrasound in Medicine and Biology, 2019, 45, 85-92.	1.5	9
133	Propagation Imaging in the Demonstration of Common Shear Wave Artifacts. Journal of Ultrasound in Medicine, 2019, 38, 1611-1616.	1.7	11
134	Can Freehand Elastosonography Be an Alternative to Renal Scintigraphy in Pediatric Vesicoureteral Reflux Cases?. European Journal of Pediatric Surgery, 2019, 29, 470-474.	1.3	2
135	Reproducibility of 2 Liver 2D Dimensional Shear Wave Elastographic Techniques in the Fasting and Postprandial States. Journal of Ultrasound in Medicine, 2019, 38, 1739-1745.	1.7	8
136	Association of advanced hepatic fibrosis and sonographic visualization score: a dual-center study using ACR US LI-RADS. Abdominal Radiology, 2019, 44, 1415-1422.	2.1	14
137	Robotic Micromanipulation: Fundamentals and Applications. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 181-203.	11.8	101
138	An assessment of ocular elasticity using real time ultrasound and ocular response analyzer in active or remission rheumatoid arthritis. International Ophthalmology, 2019, 39, 2187-2194.	1.4	1
139	Ultrasound elastography in neuromuscular and movement disorders. Clinical Imaging, 2019, 53, 35-42.	1.5	23
140	Diagnostic role of ultrasound elastography on lymph node metastases in patients with head and neck cancer. Brazilian Journal of Otorhinolaryngology, 2019, 85, 297-302.	1.0	11
141	Artifacts and Technical Restrictions in 2D Shear Wave Elastography. Ultraschall in Der Medizin, 2020, 41, 267-277.	1.5	44
142	Multiparametric ultrasound in the evaluation of kidney disease in elderly. Journal of Ultrasound, 2020, 23, 115-126.	1.3	10
143	Liver fibrosis imaging: A clinical review of ultrasound and magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2020, 51, 25-42.	3.4	53
144	Skin Structure-Function Relationships and the Wound Healing Response to Intrinsic Aging. Advances in Wound Care, 2020, 9, 127-143.	5.1	87
145	Utility of EUS elastography in the diagnosis of gastric subepithelial tumors: a pilot study (with video). Gastrointestinal Endoscopy, 2020, 91, 172-177.e2.	1.0	15

#	ARTICLE	IF	CITATIONS
146	Comparison of 2D Dimensional Shear Wave Elastographic Measurements Using ElastQ Imaging and SuperSonic Shear Imaging: Phantom Study and Clinical Pilot Study. Journal of Ultrasound in Medicine, 2020, 39, 311-321.	1.7	11
147	Comparing point shear wave elastography (ElastPQ) and transient elastography for diagnosis of fibrosis stage in nonalcoholic fatty liver disease. Journal of Gastroenterology and Hepatology (Australia), 2020, 35, 135-141.	2.8	31
148	Muscle stiffness in rheumatoid arthritis is not altered or associated with muscle weakness: A shear wave elastography study. Modern Rheumatology, 2020, 30, 617-625.	1.8	9
149	Detecting liver fibrosis using a machine learning-based approach to the quantification of the heart-induced deformation in tagged MR images. NMR in Biomedicine, 2020, 33, e4215.	2.8	15
150	Evaluation of the Crushed Sciatic Nerve and Denervated Muscle with Multimodality Ultrasound Techniques: An Animal Study. Ultrasound in Medicine and Biology, 2020, 46, 377-392.	1.5	17
151	Stiffness and Anisotropy Effect on Shear Wave Elastography: A Phantom and in Vivo Renal Study. Ultrasound in Medicine and Biology, 2020, 46, 34-45.	1.5	25
152	Shear Wave Elastography in the Evaluation of Temporomandibular Joint Disorders. Ultrasound in Medicine and Biology, 2020, 46, 46-54.	1.5	5
153	Increased Brachial Artery Compliance After Arteriovenous Fistula Creation as Measured by Shear Wave Elastography: Results From a Feasibility Study. Journal of Ultrasound in Medicine, 2020, 39, 875-881.	1.7	3
154	Optimal stimulation frequency for vibrational optical coherence elastography. Journal of Biophotonics, 2020, 13, e201960066.	2.3	6
155	A New Multimodel Machine Learning Framework to Improve Hepatic Fibrosis Grading Using Ultrasound Elastography Systems from Different Vendors. Ultrasound in Medicine and Biology, 2020, 46, 26-33.	1.5	10
156	Ultrasound shear wave elastography for measuring intracompartmental pressure of compartment syndrome using a turkey hind limb model. Journal of Biomechanics, 2020, 98, 109427.	2.1	11
157	A lab-on-chip ultrasonic platform for real-time and nondestructive assessment of extracellular matrix stiffness. Lab on A Chip, 2020, 20, 778-788.	6.0	14
158	Artificial intelligence in multiparametric prostate cancer imaging with focus on deep-learning methods. Computer Methods and Programs in Biomedicine, 2020, 189, 105316.	4.7	44
159	Feasibility of Point Shear Wave Elastography for Evaluating Diabetic Peripheral Neuropathy. Journal of Ultrasound in Medicine, 2020, 39, 1135-1141.	1.7	11
160	Diagnostic Ultrasound Safety Review for Point-of-Care Ultrasound Practitioners. Journal of Ultrasound in Medicine, 2020, 39, 1069-1084.	1.7	33
161	Clinical elasticity estimation and imaging: applications and standards. , 2020, , 1-19.		2
162	3D normalized cross-correlation for estimation of the displacement field in ultrasound elastography. Ultrasonics, 2020, 102, 106053.	3.9	25
163	Masseter muscle thickness and elasticity in periodontitis. Journal of Oral Science, 2020, 62, 43-47.	1.7	3

#	ARTICLE	IF	CITATIONS
164	Vibration-controlled transient elastography for the detection of cirrhosis in chronic hepatitis D infection. Journal of Viral Hepatitis, 2020, 27, 428-436.	2.0	27
165	Point Shear Wave Elastography of the Spleen in Predicting the Presence of Esophageal Varices in Cirrhosis: Liver Stiffness vs. Spleen Stiffness. Journal of Diagnostic Medical Sonography, 2020, 36, 95-101.	0.3	1
166	Intraoperative Ultrasonographic Elastography: A Semi-Quantitative Analysis of Brain Tumor Elasticity Patterns and Peritumoral Region. World Neurosurgery, 2020, 135, e258-e270.	1.3	29
167	Neuromas and postamputation pain. Pain, 2020, 161, 147-155.	4.2	18
168	Shear Wave Elastography Evaluation of Testes in Patients With Varicocele. Ultrasound Quarterly, 2020, 36, 64-68.	0.8	10
169	Shear wave elastography potential to characterize spastic muscles in stroke survivors: Literature review. Clinical Biomechanics, 2020, 72, 84-93.	1.2	19
170	Liver stiffness as a predictor of hepatocellular carcinoma behavior in patients with hepatitis C related liver cirrhosis. Hepatobiliary and Pancreatic Diseases International, 2020, 19, 22-28.	1.3	2
171	Letter to the Editor. Ultrasound Quarterly, 2020, 36, 87-87.	0.8	0
172	Viscoelastic Response Ultrasound Derived Relative Elasticity and Relative Viscosity Reflect True Elasticity and Viscosity: <i>In Silico</i> and Experimental Demonstration. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1102-1117.	3.0	27
173	Synthetic aperture with high lateral sampling frequency for ultrasound elastography. , 2020, 2020, 2071-2074.		0
174	Soft Tissue Characterization with Temporal Enhanced Ultrasound through Periodic Manipulation of Point Spread Function: A Feasibility Study. , 2020, 2020, 78-81.		1
175	Real-time and High Quality Ultrasound Elastography Using Convolutional Neural Network by Incorporating Analytic Signal. , 2020, 2020, 2075-2078.		6
176	Ultrasound Elastography for Lung Disease Assessment. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2249-2257.	3.0	23
177	Assessment of De Quervain Tenosynovitis Patients with Strain-Based Elastography. , 2020, , .		0
178	Contrast-enhanced US in Pediatric Patients: Overview of Bowel Applications. Radiographics, 2020, 40, 1743-1762.	3.3	7
179	Three-Dimensional Bone Block Planning for Mandibular Sagittal Bone Defect Reconstruction. Journal of Healthcare Engineering, 2020, 2020, 1-10.	1.9	3
180	Current status of imaging of Sjogren's syndrome. Best Practice and Research in Clinical Rheumatology, 2020, 34, 101592.	3.3	24
181	Subcutaneous tissue stiffness of cesarean incision scar by elastography as a predictor of intraabdominal adhesions. Journal of Obstetrics and Gynaecology Research, 2020, 46, 2390-2396.	1.3	0

#	ARTICLE	IF	CITATIONS
182	The diagnostic value of two-dimensional shear wave elastography in gestational diabetes mellitus. Placenta, 2020, 101, 147-153.	1.5	7
183	The Mexican consensus on alcoholic hepatitis. Revista De GastroenterologÃa De MÃ©xico (English) Tj ETQq1 1 0.784314 rgBT /Overl	0.2	1
184	Concepts of extracellular matrix remodelling in tumour progression and metastasis. Nature Communications, 2020, 11, 5120.	12.8	1,004
185	Optimization of Point-Shear Wave Elastography by Skin-to-Liver Distance to Assess Liver Fibrosis in Patients Undergoing Bariatric Surgery. Diagnostics, 2020, 10, 795.	2.6	15
186	Diagnostic reliability of elastography in thyroid nodules reported as indeterminate at prior fine-needle aspiration cytology (FNAC): a systematic review and Bayesian meta-analysis. European Radiology, 2020, 30, 6624-6634.	4.5	23
187	Usability and Pitfalls of Shear-Wave Elastography for Evaluation of Muscle Quality and Its Potential in Assessing Sarcopenia: A Review. Ultrasound in Medicine and Biology, 2020, 46, 2891-2907.	1.5	25
188	Sonoelastographic Evaluation of the Achilles Tendon in Patients With Type 2 Diabetes Mellitus. Ultrasound in Medicine and Biology, 2020, 46, 2989-2997.	1.5	8
189	Effects of knee flexor submaximal isometric contraction until exhaustion on semitendinosus and biceps femoris long head shear modulus in healthy individuals. Scientific Reports, 2020, 10, 16433.	3.3	15
190	Non-invasive fibrosis assessment in non-alcoholic fatty liver disease. Chinese Medical Journal, 2020, 133, 2743-2745.	2.3	7
191	Ultrasound as a Biomarker in Rheumatic Diseases. Diagnostics, 2020, 10, 933.	2.6	5
192	An Update on Hepatobiliary Ultrasound. Current Radiology Reports, 2020, 8, 1.	1.4	0
193	The use of elastography in placental research â€“ A literature review. Placenta, 2020, 99, 78-88.	1.5	21
194	Stiffness of the iliotibial band and associated muscles in runnerâ€™s knee: Assessing the effects of physiotherapy through ultrasound shear wave elastography. Physical Therapy in Sport, 2020, 45, 126-134.	1.9	13
195	Acoustic radiation force impulse imaging of pancreas in patients with early onset idiopathic recurrent acute pancreatitis. European Journal of Gastroenterology and Hepatology, 2020, 32, 950-954.	1.6	7
196	A Balanced Slew-Rate High-Voltage Integrated Bipolar Pulse Generator for Medical Ultrasonic Imaging Applications. , 2020, , .		0
197	Noninvasive assessment of liver fibrosis in chronic hepatitis B carriers with sound touch elastography: study of surgical pathology specimens. Expert Review of Medical Devices, 2020, 17, 845-853.	2.8	7
198	The Utility of the Fifth Edition of the BI-RADS Ultrasound Lexicon in Category 4 Breast Lesions: A Prospective Multicenter Study in China. Academic Radiology, 2022, 29, S26-S34.	2.5	7
199	Comparative Study Between the Diagnostic Performance of Point and 2-D Shear-Wave Elastography for the Non-invasive Assessment of Liver Fibrosis in Patients With Chronic Hepatitis C Using Transient Elastography as Reference. Ultrasound in Medicine and Biology, 2020, 46, 2979-2988.	1.5	9

#	ARTICLE	IF	CITATIONS
200	Methodological Study to Investigate the Potential of Ultrasound-Based Elastography and Texture as Biomarkers to Monitor Liver Tumors. <i>Diagnostics</i> , 2020, 10, 811.	2.6	1
201	Parameter Transfer Deep Neural Network for Single-Modal B-Mode Ultrasound-Based Computer-Aided Diagnosis. <i>Cognitive Computation</i> , 2020, 12, 1252-1264.	5.2	11
202	Liver and spleen elastography of dogs affected by brachycephalic obstructive airway syndrome and its correlation with clinical biomarkers. <i>Scientific Reports</i> , 2020, 10, 16156.	3.3	9
203	Advances in the clinical use of collagen as biomarker of liver fibrosis. <i>Expert Review of Molecular Diagnostics</i> , 2020, 20, 947-969.	3.1	9
204	Automatic Frame Selection using CNN in Ultrasound Elastography. , 2020, 2020, 2027-2030.		0
205	Recent Advances in Ultrasound Diagnosis of Carpal Tunnel Syndrome. <i>Diagnostics</i> , 2020, 10, 596.	2.6	52
206	Two-Dimensional Shear Wave Elastography of Normal Soft Tissue Organs in Adult Beagle Dogs; Interobserver Agreement and Sources of Variability. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 979.	4.1	16
207	Diagnostic Approach to Evaluating Superficial Masses on Ultrasound. <i>Current Radiology Reports</i> , 2020, 8, 1.	1.4	0
208	Biplane transrectal ultrasonography plus ultrasonic elastosonography and contrast-enhanced ultrasonography in T staging of rectal cancer. <i>BMC Cancer</i> , 2020, 20, 862.	2.6	2
209	Novel Muscle Imaging in Inflammatory Rheumatic Diseases—A Focus on Ultrasound Shear Wave Elastography and Quantitative MRI. <i>Frontiers in Medicine</i> , 2020, 7, 434.	2.6	10
210	Chronic Exertional Compartment Syndrome: A Clinical Update. <i>Current Sports Medicine Reports</i> , 2020, 19, 347-352.	1.2	15
211	Assessment of native liver fibrosis using ultrasound elastography and serological fibrosis indices in children with biliary atresia after the Kasai procedure. <i>Acta Radiologica</i> , 2021, 62, 1088-1096.	1.1	19
212	Shear wave elastography of the knee menisci. <i>Journal of International Medical Research</i> , 2020, 48, 030006052097604.	1.0	4
213	Ultrasonographic Algorithm for the Assessment of Sentinel Lymph Nodes That Drain the Mammary Carcinomas in Female Dogs. <i>Animals</i> , 2020, 10, 2366.	2.3	8
214	Validations of the Microchannel Flow Model for Characterizing Vascularized Tissues. <i>Fluids</i> , 2020, 5, 228.	1.7	5
215	Neuroinflammation and Precision Medicine in Pediatric Neurocritical Care: Multi-Modal Monitoring of Immunometabolic Dysfunction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9155.	4.1	1
216	Vaginal elasticity is significantly decreased in vaginal atrophy: a strain elastography study. <i>Menopause</i> , 2020, 27, 1420-1424.	2.0	1
217	Ultrasound-guided platelet-rich plasma injection and multimodality ultrasound examination of peripheral nerve crush injury. <i>Npj Regenerative Medicine</i> , 2020, 5, 21.	5.2	16

#	ARTICLE	IF	CITATIONS
218	Ultrasound Shear Wave Elastography to Assess Tissue Mechanical Properties in Somatic Dysfunction: A Feasibility Study. Journal of Osteopathic Medicine, 2020, 120, 677-684.	0.8	2
219	Diagnostic Value of Different Risk-Stratification Algorithms in Solid Breast Lesions. Applied Sciences (Switzerland), 2020, 10, 6943.	2.5	4
220	New Approaches in the Study of the Pathogenesis of Urethral Pain Syndrome. Diagnostics, 2020, 10, 860.	2.6	5
221	The Value of Strain Elastography in Predicting Autoimmune Thyroiditis. Diagnostics, 2020, 10, 874.	2.6	12
222	Risk stratification of patients with nonalcoholic fatty liver disease using a case identification pathway in primary care: a cross-sectional study. CMAJ Open, 2020, 8, E370-E376.	2.4	20
223	Cross-sectional imaging for assessing intestinal fibrosis in Crohn's disease. Journal of Digestive Diseases, 2020, 21, 342-350.	1.5	8
224	The basics of ultrasound elastography for diagnosis, assessment, and staging breast cancer-related lymphedema: a systematic review of the literature. Gland Surgery, 2020, 9, 589-595.	1.1	10
225	Two-Dimensional Shear Wave Elastography versus Transient Elastography: A Non-Invasive Comparison for the Assessment of Liver Fibrosis in Patients with Chronic Hepatitis C. Diagnostics, 2020, 10, 313.	2.6	9
226	Progress in the Application of Ultrasound Elastography for Brain Diseases. Journal of Ultrasound in Medicine, 2020, 39, 2093-2104.	1.7	12
227	Shear Induced Non-Linear Elasticity Imaging: Elastography for Compound Deformations. IEEE Transactions on Medical Imaging, 2020, 39, 3559-3570.	8.9	20
228	Emerging technologies in neuromuscular ultrasound. Muscle and Nerve, 2020, 61, 719-725.	2.2	26
229	Ultrasound Elastography in Musculoskeletal Radiology: Past, Present, and Future. Seminars in Musculoskeletal Radiology, 2020, 24, 156-166.	0.7	32
230	Assessment of the optic nerve using strain and shear-wave elastography in patients with pseudotumour cerebri. Clinical Radiology, 2020, 75, 629-635.	1.1	6
231	Improved forward model for quantitative pulse-echo speed-of-sound imaging. Ultrasonics, 2020, 108, 106168.	3.9	61
232	Consenso Mexicano de hepatitis alcoh�lica. Revista De Gastroenterolog�a De M�xico, 2020, 85, 332-353.	0.2	1
233	Noninvasive Tests in the Assessment of NASH and NAFLD Fibrosis: Now and Into the Future. Seminars in Liver Disease, 2020, 40, 331-338.	3.6	13
234	New boundaries of liver imaging: from morphology to function. European Journal of Internal Medicine, 2020, 79, 12-22.	2.2	2
235	Influence of Load and Transducer Bandwidth on the Repeatability of In Vivo Tendon Stiffness Evaluation Using Shear Wave Elastography. Journal of Diagnostic Medical Sonography, 2020, 36, 409-420.	0.3	2

#	ARTICLE	IF	CITATIONS
236	Future Ultrasound Biomarkers for Sarcopenia: Elastography, Contrast-Enhanced Ultrasound, and Speed of Sound Ultrasound Imaging. <i>Seminars in Musculoskeletal Radiology</i> , 2020, 24, 194-200.	0.7	10
237	A study of spleen shear-wave elastography in indirect prediction of liver fibrosis in patients with chronic hepatitis B. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 76, 63-72.	1.7	3
238	The Physical Microenvironment of Tumors: Characterization and Clinical Impact. <i>Biophysical Reviews and Letters</i> , 2020, 15, 51-82.	0.8	3
239	Diagnostic performance of shear wave elastography in discriminating malignant and benign breast lesions. <i>Journal of Ultrasound</i> , 2020, 23, 575-583.	1.3	10
240	Shear Wave Elastography to Guide Perineural Hydrodissection: Two Case Reports. <i>Diagnostics</i> , 2020, 10, 348.	2.6	7
241	Current approaches to the diagnosis of vascular erectile dysfunction. <i>Translational Andrology and Urology</i> , 2020, 9, 709-721.	1.4	21
242	Exploring the role of transtibial prosthetic use in deep tissue injury development: a scoping review. <i>BMC Biomedical Engineering</i> , 2020, 2, 2.	2.6	10
243	Applicability of shear wave elastography for the evaluation of skin strain in systemic sclerosis. <i>Rheumatology International</i> , 2020, 40, 737-745.	3.0	20
244	Role of Platelet-Derived Growth Factor on the Fibrosis Process in Thyroid Carcinoma. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 1709-1719.	1.7	0
245	Dynamic Solid-State Ultrasound Contrast Agent for Monitoring pH Fluctuations In Vivo. <i>ACS Sensors</i> , 2020, 5, 1190-1197.	7.8	17
246	Pre-procedural shear wave elastography on prediction of hemorrhage after percutaneous real-time ultrasound-guided renal biopsy. <i>Radiologia Medica</i> , 2020, 125, 784-789.	7.7	6
247	Synthetic Elastography Using B-Mode Ultrasound Through a Deep Fully Convolutional Neural Network. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2640-2648.	3.0	12
248	Elastography mapped by untangling compressional and shear deformation. <i>Extreme Mechanics Letters</i> , 2020, 36, 100669.	4.1	1
249	Viscoelastic Biomarkers of Ex Vivo Liver Samples via Torsional Wave Elastography. <i>Diagnostics</i> , 2020, 10, 111.	2.6	5
250	The Importance of Transaminases Flare in Liver Elastography: Characterization of the Probability of Liver Fibrosis Overestimation by Hepatitis C Virus-Induced Cytolysis. <i>Microorganisms</i> , 2020, 8, 348.	3.6	30
251	Two-dimensional ultrasonic transducer array for shear wave elastography in deep tissues: a preliminary study. <i>Research on Biomedical Engineering</i> , 2020, 36, 277-289.	2.2	2
252	Imaging in Hepatic Veno-Occlusive Disease/Sinusoidal Obstruction Syndrome. <i>Biology of Blood and Marrow Transplantation</i> , 2020, 26, 1770-1779.	2.0	26
253	Renal ultrasonographic strain elastography and symmetric dimethylarginine (SDMA) in canine and feline chronic kidney disease. <i>Journal of Veterinary Medical Science</i> , 2020, 82, 1104-1112.	0.9	3

#	ARTICLE	IF	CITATIONS
254	Ultrasound Shear Wave Velocity Varies Across Anatomical Region in <i>Ex Vivo</i> Bovine Ovaries. Tissue Engineering - Part A, 2020, 26, 720-732.	3.1	7
255	A comparative study of the pancreas in pediatric patients with cystic fibrosis and healthy children using two-dimensional shear wave elastography. Journal of Ultrasound, 2020, 23, 535-542.	1.3	12
256	On the Challenges Associated with Obtaining Reproducible Measurements Using SWEI in the Median Nerve. Ultrasound in Medicine and Biology, 2020, 46, 1092-1104.	1.5	7
257	Displacement Estimation in Ultrasound Elastography Using Pyramidal Convolutional Neural Network. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2629-2639.	3.0	48
258	Accuracy of real-time shear wave elastography in staging hepatic fibrosis: a meta-analysis. BMC Medical Imaging, 2020, 20, 16.	2.7	29
259	Shear wave elasticity by tracing total nodule showed high reproducibility and concordance with fibrosis in thyroid cancer. BMC Cancer, 2020, 20, 118.	2.6	12
260	Comparison of Sound Touch Elastography, Shear Wave Elastography and Vibration-Controlled Transient Elastography in Chronic Liver Disease Assessment using Liver Biopsy as the "Reference Standard". Ultrasound in Medicine and Biology, 2020, 46, 959-971.	1.5	27
261	Toward Noninvasive Mapping of Diffuse Scattering in the Presence of Motion. Ultrasonic Imaging, 2020, 42, 41-52.	2.6	0
262	Postoperative diagnostic potentials of median nerve strain and applied pressure measurement after carpal tunnel release. BMC Musculoskeletal Disorders, 2020, 21, 22.	1.9	8
263	Predictors of non-alcoholic fatty liver disease (NAFLD) among children with obesity. Journal of Pediatric Endocrinology and Metabolism, 2020, 33, 247-253.	0.9	16
264	Diagnostic Accuracy of Shear Wave Elastography as a Non-invasive Biomarker of High-Risk Non-alcoholic Steatohepatitis in Patients with Non-alcoholic Fatty Liver Disease. Ultrasound in Medicine and Biology, 2020, 46, 972-980.	1.5	10
265	Experience of using shear wave elastography in evaluation of testicular stiffness in cases of male infertility. Journal of Ultrasound, 2020, 23, 529-534.	1.3	13
266	Therapeutic ultrasound experiments in vitro: Review of factors influencing outcomes and reproducibility. Ultrasonics, 2020, 107, 106167.	3.9	29
267	Imaging in Chronic Pancreatitis. Journal of Gastrointestinal and Abdominal Radiology, 2020, 3, 021-027.	0.3	0
268	Spatial Characterization of Tumor Perfusion Properties from 3D DCE-US Perfusion Maps are Early Predictors of Cancer Treatment Response. Scientific Reports, 2020, 10, 6996.	3.3	9
269	Frontiers in Orthopaedic Biomechanics. , 2020, , .		4
271	Diagnosing Deep Endometriosis Using Transvaginal Elastosonography. Reproductive Sciences, 2020, 27, 1411-1422.	2.5	13
272	Why Are Viscosity and Nonlinearity Bound to Make an Impact in Clinical Elastographic Diagnosis?. Sensors, 2020, 20, 2379.	3.8	47

#	ARTICLE	IF	CITATIONS
273	Combining surface-enhanced Raman scattering (SERS) of saliva and two-dimensional shear wave elastography (2D-SWE) of the parotid glands in the diagnosis of Sjögren's syndrome. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 235, 118267.	3.9	18
274	Accurate and Precise Time-Delay Estimation for Ultrasound Elastography With Prebeamformed Channel Data. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1752-1763.	3.0	6
275	Ultrasound Powered Implants: Design, Performance Considerations and Simulation Results. <i>Scientific Reports</i> , 2020, 10, 6537.	3.3	12
276	Haptics in Teleoperated Medical Interventions: Force Measurement, Haptic Interfaces and Their Influence on User's Performance. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 3438-3451.	4.2	32
277	In vivo ultrasound elastographic evaluation of the age-related change of human lens nuclear stiffness. <i>BMC Ophthalmology</i> , 2020, 20, 135.	1.4	2
278	TI-RADS Diagnostic Performance: Which Algorithm Is Superior and How Elastography and 4D Vascularity Improve the Malignancy Risk Assessment. <i>Diagnostics</i> , 2020, 10, 180.	2.6	16
279	Quantitative ultrasound approaches for diagnosis and monitoring hepatic steatosis in nonalcoholic fatty liver disease. <i>Theranostics</i> , 2020, 10, 4277-4289.	10.0	77
280	The Role of Shear Wave Elastography in Differentiating Idiopathic Granulomatous Mastitis From Breast Cancer. <i>Academic Radiology</i> , 2021, 28, 339-344.	2.5	15
281	Fast Strain Estimation and Frame Selection in Ultrasound Elastography Using Machine Learning. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 406-415.	3.0	9
282	Advances of Contrast-Enhanced Ultrasonography and Elastography in Kidney Transplantation: From Microscopic to Microcosmic. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 177-184.	1.5	13
283	Current advances and research in ultrasound imaging to the assessment and management of musculoskeletal disorders. <i>Disease-a-Month</i> , 2021, 67, 101050.	1.1	11
284	Reducing Unnecessary Biopsy of American College of Radiology Thyroid Imaging Reporting and Data System Category 4 Nodules. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 227-236.	1.7	2
285	Spleen stiffness measurement by shear wave elastography using acoustic radiation force impulse in predicting the etiology of splenomegaly. <i>Abdominal Radiology</i> , 2021, 46, 609-615.	2.1	5
286	Shear wave elastography in varicocele patients: Prospective study to investigate correlation with semen parameters and histological findings. <i>International Journal of Clinical Practice</i> , 2021, 75, e13699.	1.7	9
287	Dynamic covalent hydrogels as biomaterials to mimic the viscoelasticity of soft tissues. <i>Progress in Materials Science</i> , 2021, 120, 100738.	32.8	131
288	Electronic Point Spread Function Rotation Using a Three-Row Transducer for ARFI-Based Elastic Anisotropy Assessment: <i>In Silico</i> and Experimental Demonstration. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 632-646.	3.0	9
289	Variation of Shear Wave Elastography With Preload in the Thyroid. <i>Journal of Ultrasound in Medicine</i> , 2021, 40, 779-786.	1.7	3
290	Fundamentals of High-Resolution Ultrasound in Breast Implant Screening for Plastic Surgeons. <i>Clinics in Plastic Surgery</i> , 2021, 48, 59-69.	1.5	8

#	ARTICLE	IF	CITATIONS
291	Shear wave elastography accurately detects chronic changes in renal histopathology. Nephrology, 2021, 26, 38-45.	1.6	29
292	Value of quantitative sound touch elastography of tissues around breast lesions in the evaluation of malignancy. Clinical Radiology, 2021, 76, 79.e21-79.e28.	1.1	9
293	Bayesian Approach for a Robust Speed-of-Sound Reconstruction Using Pulse-Echo Ultrasound. IEEE Transactions on Medical Imaging, 2021, 40, 457-467.	8.9	18
294	Application of transthoracic shear-wave ultrasound elastography in lung lesions. European Respiratory Journal, 2021, 57, 2002347.	6.7	9
295	Ultrasonographic cystometry for neurogenic bladder using elastography. Neurourology and Urodynamics, 2021, 40, 367-375.	1.5	2
296	Which imaging method is better for the differentiation of adenomyosis and uterine fibroids?. Journal of Gynecology Obstetrics and Human Reproduction, 2021, 50, 102002.	1.3	11
297	Can placental elasticity predict the time of delivery in cases of threatened preterm labor?. Journal of Obstetrics and Gynaecology Research, 2021, 47, 606-612.	1.3	6
298	Contribution of Sonoelastographic Scoring to B-Mode Sonography in the Evaluation of Breast Masses. Journal of Diagnostic Medical Sonography, 2021, 37, 146-155.	0.3	1
299	Shear-Wave Elastography-Guided Core Needle Biopsy for the Determination of Breast Cancer Molecular Subtype. Journal of Ultrasound in Medicine, 2021, 40, 1183-1192.	1.7	8
300	Non-invasive evaluation of elasticity of skin with the processing of ultrasound images during ultraviolet radiation: An animal photoaging model. Photodermatology Photoimmunology and Photomedicine, 2021, 37, 131-139.	1.5	0
301	Reliability and Validity of Ultrasound Elastography for Evaluating Muscle Stiffness in Neurological Populations: A Systematic Review and Meta-Analysis. Physical Therapy, 2021, 101, .	2.4	21
302	Medical imaging of tissue engineering and regenerative medicine constructs. Biomaterials Science, 2021, 9, 301-314.	5.4	9
303	Evaluation of Arterial Erectile Dysfunction Using Shear Wave Elastography. Journal of Ultrasound in Medicine, 2021, 40, 1209-1216.	1.7	5
304	Impact of hemodialysis on liver stiffness measured with real-time two-dimensional shear wave elastography. Wiener Klinische Wochenschrift, 2021, 133, 96-101.	1.9	1
305	Obstetric ultrasound: where are we and where are we going?. Ultrasonography, 2021, 40, 57-74.	2.3	17
306	Shear wave cardiovascular MR elastography using intrinsic cardiac motion for transducer-free non-invasive evaluation of myocardial shear wave velocity. Scientific Reports, 2021, 11, 1403.	3.3	9
307	Shoulder scaption is dependent on the behavior of the different partitions of the infraspinatus muscle. Surgical and Radiologic Anatomy, 2021, 43, 653-659.	1.2	6
308	Association of Magnesium Intake with Liver Fibrosis among Adults in the United States. Nutrients, 2021, 13, 142.	4.1	8

#	ARTICLE	IF	CITATIONS
309	Reproducibility of shear wave elastography among operators, machines, and probes in an elasticity phantom. Ultrasonography, 2021, 40, 158-166.	2.3	16
311	Decoding the Molecular Subtypes of Breast Cancer Seen on Multimodal Ultrasound Images Using an Assembled Convolutional Neural Network Model: A Prospective and Multicenter Study. SSRN Electronic Journal, 0, , .	0.4	0
312	An Enhanced Novel Dynamic Data Processing (ENDDP) Algorithm for Predicting Heart Disease in Machine Learning. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2021, , 94-104.	0.3	110
313	MR Elastography of the Abdomen: Basic Concepts. Methods in Molecular Biology, 2021, 2216, 301-323.	0.9	9
314	3D synthetic aperture imaging with a therapeutic spherical random phased array for transcostal applications. Physics in Medicine and Biology, 2021, 66, 035024.	3.0	9
315	Design Considerations to Facilitate Clinical Radiological Evaluation of Implantable Biomedical Structures. ACS Biomaterials Science and Engineering, 2021, 7, 718-726.	5.2	8
316	Does Early Diabetic Kidney Damage Alter Renal Elasticity? An Ultrasound-Based, Two-Dimensional Shear Wave Elastography Study. Medeniyet Medical Journal, 2021, 36, 209-216.	0.7	1
317	Characterizing Rayleigh wave and longitudinal shear wave propagation for measurements of elastic moduli using optical coherence elastography. Applied Physics Express, 2021, 14, 012010.	2.4	2
318	USG Imaging in Physiotherapy of Dentomaxillofacial Region. , 2021, , 351-363.		0
319	Can measuring perilesional tissue stiffness and stiff rim sign improve the diagnostic performance between benign and malignant breast lesions?. Journal of Medical Ultrasonics (2001), 2021, 48, 53-61.	1.3	5
320	Sonoelastography for pelvic metastatic malignant pheochromocytoma: A case report. Current Medical Imaging, 2021, 17, 1167-1170.	0.8	0
321	Significance of Young's Modulus and BMP-7 in the Diagnosis of Different Stages of Diabetic Nephropathy. Advances in Clinical Medicine, 2021, 11, 2781-2787.	0.0	0
322	Is early diagnosis of myofascial pain syndrome possible with the detection of latent trigger points by shear wave elastography?. Polish Journal of Radiology, 2021, 86, 425-431.	0.9	5
323	Autoplasty by Displaced Aponeurotic Flap: Results of a New Method of Inguinal Hernias Surgical Treatment. Open Access Macedonian Journal of Medical Sciences, 2020, 9, 48-54.	0.2	1
324	Point-of-Care Ultrasound: New Concepts and Future Trends. Advanced Ultrasound in Diagnosis and Therapy, 2021, 5, 268.	0.1	3
325	Ultrasound Shear Wave Elastography and Transient Optical Coherence Elastography: Side-by-Side Comparison of Repeatability and Accuracy. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 179-186.	2.3	9
326	Automated Analysis of Multiparametric Magnetic Resonance Imaging/Magnetic Resonance Elastography Exams for Prediction of Nonalcoholic Steatohepatitis. Journal of Magnetic Resonance Imaging, 2021, 54, 122-131.	3.4	16
327	The diagnostic performance of conventional ultrasound and strain elastography in malignant soft tissue tumors. Skeletal Radiology, 2021, 50, 1677-1686.	2.0	2

#	ARTICLE	IF	CITATIONS
328	Decreased Size of Mammary Tumors Caused by Preoperative Treatment with Aglepristone in Female Domestic Dogs (<i>Canis familiaris</i>) Do Not Influence the Density of the Benign Neoplastic Tissue Measured Using Shear Wave Elastography Technique. <i>Animals</i> , 2021, 11, 527.	2.3	3
329	MPWC-Net++: evolution of optical flow pyramidal convolutional neural network for ultrasound elastography. , 2021, , .		4
330	Application of Ultrasound Elastography for Assessing Intestinal Fibrosis in Inflammatory Bowel Disease: Fiction or Reality?. <i>Current Drug Targets</i> , 2021, 22, 347-355.	2.1	7
331	3D Cell Culture: Recent Development in Materials with Tunable Stiffness. <i>ACS Applied Bio Materials</i> , 2021, 4, 2233-2250.	4.6	45
332	Multiparametric ultrasound imaging characteristics of multiple testicular adrenal rest tumours in congenital adrenal hyperplasia. <i>Ultrasound</i> , 2022, 30, 80-84.	0.7	4
333	Role of shear wave elastography measured in the flaccid state in predicting arteriogenic erectile dysfunction. <i>Andrologia</i> , 2021, 53, e13996.	2.1	4
334	Which factors influence liver stiffness measured by real-time two dimensional shear wave elastography in patients on maintenance hemodialysis?. <i>Croatian Medical Journal</i> , 2021, 62, 34-43.	0.7	1
335	Ex vivo vibro-acoustography characterization of osteoporosis in an experimental mice model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 586-596.	2.0	2
336	Magnetic resonance shear wave elastography using transient acoustic radiation force excitations and sinusoidal displacement encoding. <i>Physics in Medicine and Biology</i> , 2021, 66, 055027.	3.0	3
337	Shear Wave Elastography in Patients with Primary and Secondary Hyperparathyroidism. <i>Journal of Clinical Medicine</i> , 2021, 10, 697.	2.4	7
338	Transthoracic shear wave ultrasound: a noninvasive tool to differentiate between benign and malignant subpleural lung lesions. <i>European Respiratory Journal</i> , 2021, 57, 2004260.	6.7	2
339	Cystic fibrosis and noninvasive liver fibrosis assessment methods in children. <i>Pediatric Research</i> , 2021, , .	2.3	5
340	Preliminary study on the influencing factors of shear wave elastography for peripheral nerves in healthy population. <i>Scientific Reports</i> , 2021, 11, 5582.	3.3	5
341	Examination of pelvic floor muscle elasticity in patients with interstitial cystitis/bladder pain syndrome using real-time tissue elastography. <i>International Urogynecology Journal</i> , 2022, 33, 619-626.	1.4	6
342	Preliminary investigation of the diagnostic value of shear wave elastography in evaluating the testicular spermatogenic function in patients with azoospermia. <i>Andrologia</i> , 2021, 53, e14039.	2.1	1
343	Imaging based flowchart for gallbladder polyp evaluation. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2021, 52, 68-78.	0.3	7
344	Determinants of estimated failure load in the distal radius after stroke: An HR-pQCT study. <i>Bone</i> , 2021, 144, 115831.	2.9	5
345	Measurement of Shear Wave Speed and Normalized Elastic Modulus of Human Skin with and without Dermal Striae Using Shear Wave Elastography. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 454-470.	1.5	1

#	ARTICLE	IF	CITATIONS
346	Intraoperative Ultrasound Shear-Wave Elastography in Focal Cortical Dysplasia Surgery. Journal of Clinical Medicine, 2021, 10, 1049.	2.4	7
347	Quasi-Linear Viscoelastic Characterization of Soft Tissue-Mimicking Materials. Journal of Biomechanical Engineering, 2021, 143, .	1.3	6
348	Serial Ultrasonographic and Real-Time Elastosonographic Assessment of the Ovine Common Calcaneal Tendon, after an Experimentally Induced Tendinopathy. Veterinary Sciences, 2021, 8, 54.	1.7	5
349	Shear Wave Elastography Based on Noise Correlation and Time Reversal. Frontiers in Physics, 2021, 9, .	2.1	2
350	Liver fibrosis in patients with tetralogy of Fallot, an unrecognised complication?. Cardiology in the Young, 2021, 31, 1796-1806.	0.8	2
351	The Measurement of Stiffness for Major Muscles with Shear Wave Elastography and Myoton: A Quantitative Analysis Study. Diagnostics, 2021, 11, 524.	2.6	37
352	Experimental Evidence of Generation and Reception by a Transluminal Axisymmetric Shear Wave Elastography Prototype. Diagnostics, 2021, 11, 645.	2.6	3
353	Liver Fibrosis in Non-alcoholic Fatty Liver Disease: From Liver Biopsy to Non-invasive Biomarkers in Diagnosis and Treatment. Frontiers in Medicine, 2021, 8, 615978.	2.6	88
354	An International Continence Society (ICS) report on the terminology for pelvic floor muscle assessment. Neurourology and Urodynamics, 2021, 40, 1217-1260.	1.5	98
355	Ultrasound Elastographic Measurement of Rigor Mortis in an Animal Model: A Feasibility Study for Improved Time-of-Death Estimates in Forensic Investigations. American Journal of Roentgenology, 2021, 216, 1126-1133.	2.2	1
356	Inadequate spinal cord expansion in intraoperative ultrasound after decompression may predict neurological recovery of degenerative cervical myelopathy. European Radiology, 2021, 31, 8478-8487.	4.5	10
357	Non-invasive assessment of urinary bladder compliance using ultrasound: first validation study based on clinical urodynamic study. Annals of Translational Medicine, 2021, 9, 547-547.	1.7	3
358	Evaluation of the potential role of shear wave elastography as a promising predictor of sperm retrieval in non-obstructive azoospermic patients: A prospective study. Andrology, 2021, 9, 1481-1489.	3.5	4
359	Transthoracic ultrasound shear wave elastography for the study of subpleural lung lesions. Ultrasonography, 2022, 41, 93-105.	2.3	4
360	Ultrasound-guided transient elastography and two-dimensional shear wave elastography for assessment of liver fibrosis: emphasis on technical success and reliable measurements. Ultrasonography, 2021, 40, 217-227.	2.3	8
361	Splenic stiffness measurement: need for technical standardization. European Journal of Gastroenterology and Hepatology, 2021, 33, 595-596.	1.6	0
362	The Combination of Shear Wave Elastography and Platelet Counts Can Effectively Predict High-Risk Varices in Patients with Hepatitis B-Related Cirrhosis. BioMed Research International, 2021, 2021, 1-9.	1.9	3
363	Prediction model that combines with multidisciplinary analysis for clinical evaluation of malignancy risk of solid breast nodules. Journal of International Medical Research, 2021, 49, 030006052110046.	1.0	0

#	ARTICLE	IF	CITATIONS
364	Shear wave-based sound touch elastography in liver fibrosis assessment for patients with autoimmune liver diseases. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1532-1542.	2.0	12
365	Evaluation of the Clinical Effectiveness of Shear Wave Elastography in Pediatric Cases With Acute Appendicitis. Ultrasound Quarterly, 2021, 37, 173-177.	0.8	3
366	Imaging in Sjögren's syndrome. , 2021, , 61-72.		0
367	A Quasi-Static Quantitative Ultrasound Elastography Algorithm Using Optical Flow. Sensors, 2021, 21, 3010.	3.8	6
368	An Artificial Intelligence Hypothetical Approach for Masseter Muscle Segmentation on Ultrasonography in Patients With Bruxism. Journal of Advanced Oral Research, 2021, 12, 206-213.	1.1	4
369	Multi-Modal Active Learning For Automatic Liver Fibrosis Diagnosis Based On Ultrasound Shear Wave Elastography. , 2021, , .		6
370	Preoperative Nomogram for Predicting Sentinel Lymph Node Metastasis Risk in Breast Cancer: A Potential Application on Omitting Sentinel Lymph Node Biopsy. Frontiers in Oncology, 2021, 11, 665240.	2.8	11
371	Extrahepatic biliary obstruction can interfere with hepatic fibrosis prediction using two-dimensional shear wave elastography in dogs. Veterinary Radiology and Ultrasound, 2021, 62, 483-489.	0.9	3
372	Point shear wave elastography of the liver in healthy adult cats. American Journal of Veterinary Research, 2021, 82, 286-291.	0.6	3
373	Diagnostic Performance of Elastography in Malignant Soft Tissue Tumors: A Systematic Review and Meta-analysis. Ultrasound in Medicine and Biology, 2021, 47, 855-868.	1.5	8
374	Strain elastography for the assessment of skin nodules in dogs. Veterinary Dermatology, 2021, 32, 272.	1.2	4
375	Neck pain in rounded shoulder posture: Clinicoradiologic correlation by shear wave elastography. International Journal of Clinical Practice, 2021, 75, e14240.	1.7	7
376	A Model for Predicting Malignant Sub-pleural Solid Masses Using Grayscale Ultrasound and Ultrasound Elastography. Ultrasound in Medicine and Biology, 2021, 47, 1212-1218.	1.5	1
377	Virtual Source Synthetic Aperture for Accurate Lateral Displacement Estimation in Ultrasound Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1687-1695.	3.0	9
378	Field-Portable Microplastic Sensing in Aqueous Environments: A Perspective on Emerging Techniques. Sensors, 2021, 21, 3532.	3.8	13
379	Shear wave elastography to evaluate hepatic damage in heart failure. ESC Heart Failure, 2021, 8, 1735-1737.	3.1	3
380	Elastography for characterization of focal liver lesions: current evidence and future perspectives. Minerva Gastroenterology, 2021, 67, .	0.5	9
381	The association between renal elasticity evaluated by Real-time tissue elastography and renal fibrosis. Clinical and Experimental Nephrology, 2021, 25, 981-987.	1.6	9

#	ARTICLE	IF	CITATIONS
382	The Diagnostic Value of the American College of Radiology Thyroid Imaging Reporting and Data System Classification and Shear-Wave Elastography for the Differentiation of Thyroid Nodules. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1227-1234.	1.5	11
383	Assessment of Myofascial Trigger Points via Imaging. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, 100, 1003-1014.	1.4	19
384	Using shear wave elastography to assess uterine tonicity after vaginal delivery. <i>Scientific Reports</i> , 2021, 11, 10420.	3.3	4
385	Feasibility of Harmonic Motion Imaging Using a Single Transducer: In Vivo Imaging of Breast Cancer in a Mouse Model and Human Subjects. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1390-1404.	8.9	10
386	The role of elastography in alcoholic liver disease: fibrosis staging and confounding factors, a review of the current literature. <i>Minerva Gastroenterology</i> , 2021, 67, .	0.5	2
387	Effects of Loading and Boundary Conditions on the Performance of Ultrasound Compressional Viscoelastography: A Computational Simulation Study to Guide Experimental Design. <i>Materials</i> , 2021, 14, 2590.	2.9	5
388	Liver and spleen elastography as predictor of portal hypertension and esophageal varices. <i>Minerva Gastroenterology</i> , 2021, 67, .	0.5	1
389	Correlation between Liver Stiffness by Two-Dimensional Shear Wave Elastography and Waist Circumference in Japanese Local Citizens with Abdominal Obesity. <i>Journal of Clinical Medicine</i> , 2021, 10, 1971.	2.4	1
390	Acoustically-Stimulated Nanobubbles: Opportunities in Medical Ultrasound Imaging and Therapy. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	19
391	Gd-EOB-DTPA T1 Mapping with Extracellular Volume Fraction in Staging Liver Fibrosis: A Preclinical Investigation. <i>Applied Magnetic Resonance</i> , 2021, 52, 677.	1.2	0
392	Cardiac thrombotic stability determined by contrast-enhanced echocardiography: investigative protocol and preliminary results. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 267.	1.7	2
393	Performance of shear wave elastography: A single centre pilot study of mixed etiology liver disease patients with normal BMI. <i>Australasian Journal of Ultrasound in Medicine</i> , 2021, 24, 120-136.	0.6	1
394	What does liver elastography measure? Technical aspects and methodology. <i>Minerva Gastroenterology</i> , 2021, 67, .	0.5	3
396	US Elastography in Hepatic Fibrosis” <i>Radiology</i> In Training. <i>Radiology</i> , 2021, 299, 264-271.	7.3	8
397	Role of shear wave elastography in predicting the metabolic and androgenic alterations in patients with polycystic ovary syndrome. <i>Journal of Obstetrics and Gynaecology Research</i> , 2021, 47, 2677-2683.	1.3	0
398	Ultrasound Elastography in the Differentiation of Simple Cyst and Type I Hydatid Cyst of the Liver. <i>Ultrasound Quarterly</i> , 2021, 37, 129-132.	0.8	3
399	Main Uncertainties in the RF Ultrasound Scanning Simulation of the Standard Ultrasound Phantoms. <i>Sensors</i> , 2021, 21, 4420.	3.8	2
400	Elastography mapped by deep convolutional neural networks. <i>Science China Technological Sciences</i> , 2021, 64, 1567-1574.	4.0	3

#	ARTICLE	IF	CITATIONS
401	Return to Play After a Hamstring Strain Injury: It is Time to Consider Natural Healing. Sports Medicine, 2021, 51, 2067-2077.	6.5	15
402	Muscle elasticity is different in individuals with diastasis recti abdominis than healthy volunteers. Insights Into Imaging, 2021, 12, 87.	3.4	10
403	Sonoelastography in differential diagnosis of pathological processes of the myometrium (literature) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
404	Using shear wave elasticity in normal terminal ileum of a healthy southwest Chinese population: a pilot study of reference elasticity ranges. Quantitative Imaging in Medicine and Surgery, 2021, 11, 2677-2687.	2.0	2
405	TIRADS, SRE and SWE in INDETERMINATE thyroid nodule characterization: Which has better diagnostic performance?. Radiologia Medica, 2021, 126, 1189-1200.	7.7	28
406	Plane wave elastography: a frequency-domain ultrasound shear wave elastography approach. Physics in Medicine and Biology, 2021, 66, 125017.	3.0	4
407	Is Shear-Wave Elastography a Clinical Severity Indicator of Myofascial Pain Syndrome? An Observational Study. Journal of Clinical Medicine, 2021, 10, 2895.	2.4	17
408	Utility of Sonoelastography Beyond Sonography for Differentiation Between Benign and Malignant Lymphadenopathy. SN Comprehensive Clinical Medicine, 2021, 3, 2116-2126.	0.6	0
409	The Value of Ultrasound Elastography in Evaluating Inflammatory Breast Lesions. Medical Journal of the University of Cairo Faculty of Medicine, 2021, 89, 1289-1297.	0.0	0
410	Sonoelastographic Findings in Clubfeet. International Journal of General Medicine, 2021, Volume 14, 2763-2775.	1.8	0
411	Spleen Stiffness Measurement by Using Shear-Wave Elastography as a Predictor of Progression to Secondary Myelofibrosis. Ultrasound Quarterly, 2021, 37, 149-154.	0.8	3
412	Endothelin Inhibition Potentiates Cancer Immunotherapy Revealing Mechanical Biomarkers Predictive of Response. Advanced Therapeutics, 2021, 4, 2000289.	3.2	8
413	Viscoelasticity Imaging of Biological Tissues and Single Cells Using Shear Wave Propagation. Frontiers in Physics, 2021, 9, .	2.1	7
414	Evaluation of HCV-related liver fibrosis post-successful DAA therapy. Egyptian Liver Journal, 2021, 11, .	0.6	4
415	Development and validation of a nomogram based on multiparametric magnetic resonance imaging and elastography-derived data for the stratification of patients with prostate cancer. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3252-3262.	2.0	4
416	Sonographic Features of Abscess Maturation in a Porcine Model. Ultrasound in Medicine and Biology, 2021, 47, 1920-1930.	1.5	3
417	Exploration of shear wave elastography measures of the iliotibial band during different tasks in pain-free runners. Physical Therapy in Sport, 2021, 50, 121-129.	1.9	4
418	The Core of Medical Imaging: State of the Art and Perspectives on the Detectors. Electronics (Switzerland), 2021, 10, 1642.	3.1	9

#	ARTICLE	IF	CITATIONS
419	The overview of the deep learning integrated into the medical imaging of liver: a review. Hepatology International, 2021, 15, 868-880.	4.2	8
420	Shear-Wave Elastography Enables Identification of Unstable Carotid Plaque. Ultrasound in Medicine and Biology, 2021, 47, 1704-1710.	1.5	7
421	The stiffness of transplanted kidneys changes with time after renal transplantation. Acta Radiologica, 2021,, 028418512110307.	1.1	0
422	<scp>Postâ€œCOVID</scp>â€œ19 Liver Injury: Comprehensive Imaging With Multiparametric Ultrasound. Journal of Ultrasound in Medicine, 2022, 41, 935-949.	1.7	13
423	Evaluation of ultrasound point shear wave elastography reliability in an elasticity phantom. Ultrasonography, 2022, 41, 291-297.	2.3	1
425	Associations of Dietary Lipid-Soluble Micronutrients with Hepatic Steatosis among Adults in the United States. Biomedicines, 2021, 9, 1093.	3.2	2
426	Cardiovascular Risk Factors in Children with Obesity, Preventive Diagnostics and Possible Interventions. Metabolites, 2021, 11, 551.	2.9	10
427	A review of physical and engineering factors potentially affecting shear wave elastography. Journal of Medical Ultrasonics (2001), 2021, 48, 403-414.	1.3	12
428	Shear wave elastography for intracranial epidermoid tumors. Clinical Neurology and Neurosurgery, 2021, 207, 106531.	1.4	6
429	Elastography ultrasound with machine learning improves the diagnostic performance of traditional ultrasound in predicting kidney fibrosis. Journal of the Formosan Medical Association, 2022, 121, 1062-1072.	1.7	13
430	Shear Wave Elastography: A Review on the Confounding Factors and Their Potential Mitigation in Detecting Chronic Kidney Disease. Ultrasound in Medicine and Biology, 2021, 47, 2033-2047.	1.5	16
431	Role of Ultrasound for Chronic Liver Disease and Hepatocellular Carcinoma Surveillance. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 279-290.	1.1	0
432	Ultrasound shear-wave elastography applicability in estimation of post-mortem time. Ultrasound, 2022, 30, 134-140.	0.7	1
433	Effects of compressive lesions on intraoperative human spinal cord elasticity. Journal of Neurosurgery: Spine, 2021, 35, 807-816.	1.7	5
434	Advances in vascular anatomy and pathophysiology using high resolution and multiparametric sonography. Journal of Vascular Access, 2021, 22, 112972982110201.	0.9	1
435	Diagnostic value of median nerve shear wave ultrasound elastography in diagnosis and differentiation of carpal tunnel syndrome severity. Egyptian Journal of Radiology and Nuclear Medicine, 2021, 52, .	0.6	3
436	Iatrogenic gluteus medius muscle insertion injury while trochanteric entry nailing due to trochanteric fractures: a comparative study in forty patients with gray-scale ultrasound and shear-wave elastography. International Orthopaedics, 2021, 45, 3253-3261.	1.9	1
437	An unsupervised learning approach to ultrasound strain elastography with spatio-temporal consistency. Physics in Medicine and Biology, 2021, 66, 175031.	3.0	16

#	ARTICLE	IF	CITATIONS
438	Estimation of the concentration of particles in suspension based on envelope statistics of ultrasound backscattering. <i>Ultrasonics</i> , 2021, 116, 106501.	3.9	5
439	Speed of sound and shear wave speed for calf soft tissue composition and nonlinearity assessment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4149-4161.	2.0	4
440	Ultrasound Elastography in the Assessment of the Intestinal Changes in Inflammatory Bowel Disease—Systematic Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 4044.	2.4	16
441	A robust time delay estimation method for ultrasonic echo signals and elastography. <i>Computers in Biology and Medicine</i> , 2021, 136, 104653.	7.0	2
442	Carotid artery vulnerable plaque model for cerebrovascular events by conventional ultrasound & contrast-enhanced ultrasound: A preliminary study. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 80, 197-209.	1.7	8
443	Evaluation of Microwave Ablation Efficacy by Strain Elastography and Shear Wave Elastography in ex Vivo Porcine Liver. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2636-2645.	1.5	5
444	Cardiovascular Risk Factors in Children. , 0, , .		0
445	The Role of Ultrasound in Modulating Interstitial Fluid Pressure in Solid Tumors for Improved Drug Delivery. <i>Bioconjugate Chemistry</i> , 2022, 33, 1049-1056.	3.6	9
446	Assessment of hepatic involvement by two-dimensional shear wave elastography in paediatric patients with cystic fibrosis. <i>Journal of Paediatrics and Child Health</i> , 2022, 58, 459-462.	0.8	2
448	Non-destructive vacuum-assisted measurement of lung elastic modulus. <i>Acta Biomaterialia</i> , 2021, 131, 370-380.	8.3	5
449	An acoustic blood pressure sensing scheme using time of flight and shear wave elastography techniques. <i>Sensors and Actuators A: Physical</i> , 2021, 330, 112865.	4.1	3
450	Quantifying Lower Limb Muscle Stiffness as Ambulation Function Declines in Duchenne Muscular Dystrophy with Acoustic Radiation Force Impulse Shear Wave Elastography. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2880-2889.	1.5	8
451	Non-invasive imaging biomarkers to assess nonalcoholic fatty liver disease: A review. <i>Clinical Imaging</i> , 2021, 78, 22-34.	1.5	9
452	Renal elastography measurements in children with acute glomerulonephritis. <i>Ultrasonography</i> , 2021, 40, 575-583.	2.3	12
453	The Diagnostic Accuracy of LOGIQ S8 and E9 Shear Wave Elastography for Staging Hepatic Fibrosis, in Comparison with Transient Elastography. <i>Diagnostics</i> , 2021, 11, 1817.	2.6	3
454	The extracellular matrix viscoelasticity as a regulator of cell and tissue dynamics. <i>Current Opinion in Cell Biology</i> , 2021, 72, 10-18.	5.4	79
455	Single-beam phase shift tracker with continuous musical palpations for mobile elastography. <i>Journal of Sound and Vibration</i> , 2021, 510, 116305.	3.9	0
456	Magnetic Resonance Elastography Reconstruction for Anisotropic Tissues. <i>Medical Image Analysis</i> , 2021, 74, 102212.	11.6	22

#	ARTICLE	IF	CITATIONS
457	A preliminary study of shaker-based optical coherence elastography for assessment of gingival elasticity. Optics Communications, 2022, 503, 127445.	2.1	3
458	A novel quantitative and reference-free ultrasound analysis to discriminate different concentrations of bone mineral content. Scientific Reports, 2021, 11, 301.	3.3	3
459	Application of Transthoracic Shear Wave Elastography in Evaluating Subpleural Pulmonary Lesions. European Journal of Radiology Open, 2021, 8, 100364.	1.6	4
460	Enhanced Breast Lesion Classification via Knowledge Guided Cross-Modal and Semantic Data Augmentation. Lecture Notes in Computer Science, 2021, , 53-63.	1.3	2
461	Ultrasound assessment of pulmonary fibroproliferative changes in severe COVID-19: a quantitative correlation study with histopathological findings. Intensive Care Medicine, 2021, 47, 199-207.	8.2	25
462	Clinical implications of breast ultrasound elastography. Zdrowie Publiczne, 2020, 130, 14-17.	0.1	0
463	Ultrasonic characteristics of immune bodies in children with infectious mononucleosis. Jurnal Infektologii, 2021, 12, 78-84.	0.3	0
464	Sonoelastography in the Diagnosis of Carpal Tunnel Syndrome. Annals of Plastic Surgery, 2021, 86, S299-S311.	0.9	6
465	Acoustic Radiation Force: A Review of Four Mechanisms for Biomedical Applications. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3261-3269.	3.0	10
466	A deep learning approach to the inverse problem of modulus identification in elasticity. MRS Bulletin, 2021, 46, 19-25.	3.5	33
467	Image-Based Elastography of Heterochromatin and Euchromatin Domains in the Deforming Cell Nucleus. Small, 2021, 17, e2006109.	10.0	21
468	Full Characterization of <i>in vivo</i> Muscle as an Elastic, Incompressible, Transversely Isotropic Material Using Ultrasonic Rotational 3D Shear Wave Elasticity Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 133-144.	8.9	23
469	Oxygen-carrying nanoparticle-based chemo-sonodynamic therapy for tumor suppression and autoimmunity activation. Biomaterials Science, 2021, 9, 3989-4004.	5.4	29
470	An Unsupervised Approach to Ultrasound Elastography with End-to-end Strain Regularisation. Lecture Notes in Computer Science, 2020, , 573-582.	1.3	12
471	Deep Doubly Supervised Transfer Network for Diagnosis of Breast Cancer with Imbalanced Ultrasound Imaging Modalities. Lecture Notes in Computer Science, 2020, , 141-149.	1.3	12
472	Use of Shear Wave Elastography to Quantify Abdominal Wall Muscular Properties in Patients With Incisional Hernia. Ultrasound in Medicine and Biology, 2020, 46, 1651-1657.	1.5	6
473	Sonoelastography of Normal Canine Common Calcaneal Tendon: Preliminary Results. Veterinary and Comparative Orthopaedics and Traumatology, 2021, 34, 200-205.	0.5	6
474	Deep learning networks on chronic liver disease assessment with fine-tuning of shear wave elastography image sequences. Physics in Medicine and Biology, 2020, 65, 215027.	3.0	15

#	ARTICLE	IF	CITATIONS
475	Measuring anisotropy of elastic wave velocity with ultrasound imaging and an autofocus method: application to cortical bone. <i>Physics in Medicine and Biology</i> , 2020, 65, 235016.	3.0	18
476	Evaluation of liver fibrosis in patients with Wilson's disease. <i>European Journal of Gastroenterology and Hepatology</i> , 2021, 33, 535-540.	1.6	14
477	A New Visual Transient Elastography Technique for Grading Liver Fibrosis in Patients With Chronic Hepatitis B. <i>Ultrasound Quarterly</i> , 2021, 37, 105-110.	0.8	4
478	The Performance of a 2-Dimensional Shear-Wave Elastography Technique for Predicting Different Stages of Liver Fibrosis Using Transient Elastography as the Control Method. <i>Ultrasound Quarterly</i> , 2021, 37, 97-104.	0.8	10
480	Photoacoustic elastography imaging: a review. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	26
481	Tutorial on laser speckle rheology: technology, applications, and opportunities. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	18
482	Shear wave velocity by quantitative acoustic radiation force impulse in the placenta of normal and high-risk pregnancy. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2020, 51, .	0.6	4
483	Role of Strain Elastography and Shear-Wave Elastography in a Multiparametric Clinical Approach to Indeterminate Cytology Thyroid Nodules. <i>Medical Science Monitor</i> , 2018, 24, 6273-6279.	1.1	14
484	Quantitative and Qualitative Evaluation of Breast Cancer Prognosis: A Sonographic Elastography Study. <i>Medical Science Monitor</i> , 2019, 25, 9272-9279.	1.1	8
485	Diagnostic value of endoscopic ultrasound elastography for benign and malignant digestive system tumors. <i>Pakistan Journal of Medical Sciences</i> , 2019, 35, 1461-1465.	0.6	2
486	Quantification of iris elasticity using acoustic radiation force optical coherence elastography. <i>Applied Optics</i> , 2020, 59, 10739.	1.8	16
487	Handheld probe for quantitative micro-elastography. <i>Biomedical Optics Express</i> , 2019, 10, 4034.	2.9	21
488	Spatial localization of mechanical excitation affects spatial resolution, contrast, and contrast-to-noise ratio in acoustic radiation force optical coherence elastography. <i>Biomedical Optics Express</i> , 2019, 10, 5877.	2.9	10
489	Changes in liver stiffness measurement using acoustic radiation force impulse elastography after antiviral therapy in patients with chronic hepatitis C. <i>PLoS ONE</i> , 2018, 13, e0190455.	2.5	21
490	Inter-platform reproducibility of liver stiffness measured with two different point shear wave elastography techniques and 2-dimensional shear wave elastography using the comb-push technique. <i>Ultrasonography</i> , 2019, 38, 345-354.	2.3	7
491	Reproducibility of ultrasound attenuation imaging for the noninvasive evaluation of hepatic steatosis. <i>Ultrasonography</i> , 2020, 39, 121-129.	2.3	51
492	Testicular stiffness in varicocele: evaluation with shear wave elastography. <i>Ultrasonography</i> , 2020, 39, 350-355.	2.3	18
493	A deep learning approach to the inverse problem of modulus identification in elasticity. <i>MRS Bulletin</i> , 2021, 46, 1-7.	3.5	6

#	ARTICLE	IF	CITATIONS
494	Noninvasive stiffness assessment of the human lens nucleus in patients with anisometropia using an ultrasound elastography system. International Journal of Ophthalmology, 2020, 13, 399-405.	1.1	4
495	Portal pressure monitoring—state-of-the-art and future perspective. Annals of Translational Medicine, 2019, 7, 583-583.	1.7	22
496	Methods of Masseter and Temporal Muscle Thickness and Elasticity Measurements by Ultrasound Imaging: A Literature Review. Current Medical Imaging, 2021, 17, 707-713.	0.8	6
497	Ultrasound Elastography in Ocular and Periocular Tissues: A Review. Current Medical Imaging, 2021, 17, 1041-1053.	0.8	4
498	Ultrassonografia: Princípios Básicos e Controle da Qualidade. Revista Brasileira De Física Médica, 2019, 13, 14.	0.0	4
499	Adult Alcoholic Liver Disease. Eksperimental'naya I Klinicheskaya Gastroenterologiya, 2020, 174, 4-28.	0.4	17
500	Hepatocellular Carcinoma and Non-Alcoholic Fatty Liver Disease: A Step Forward for Better Evaluation Using Ultrasound Elastography. Cancers, 2020, 12, 2778.	3.7	15
501	The Use of Two-Dimensional Shear Wave Elastography in People with Obesity for the Assessment of Liver Fibrosis in Non-Alcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2021, 10, 95.	2.4	21
502	Novel noninvasive quantification of penile corpus cavernosum lesions in hyperlipidemia-induced erectile dysfunction in rabbits by two-dimensional shear-wave elastography. Asian Journal of Andrology, 2019, 21, 143.	1.6	9
503	Ultrasonographic characteristics of frontal fibrosing alopecia. International Journal of Trichology, 2019, 11, 183.	0.5	4
504	Digital liver biopsy: Bio-imaging of fatty liver for translational and clinical research. World Journal of Hepatology, 2018, 10, 231-245.	2.0	18
505	Advanced Ultrasound Applications: Elastography and Contrast-Enhanced Ultrasound. , 2021, , 529-560.		1
506	Non-invasive tools for detection of liver disease in children and adolescents with cystic fibrosis. Translational Pediatrics, 2021, 10, 0-0.	1.2	1
507	Bi-Modal Transfer Learning for Classifying Breast Cancers via Combined B-Mode and Ultrasound Strain Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 222-232.	3.0	22
508	Machine learning—based diagnostic evaluation of shear-wave elastography in BI-RADS category 4 breast cancer screening: a multicenter, retrospective study. Quantitative Imaging in Medicine and Surgery, 2022, 12, 1223-1234.	2.0	8
509	SURGICAL SPERM RETRIEVAL IN AZOOSPERMIA: OUTCOME AND PREDICTIVE FACTORS. Journal of Sulaimani Medical College, 2021, 11, 129-137.	0.0	0
510	Efficacy of Differential Diagnosis of Thyroid Nodules by Shear Wave Elastography—the Stiffness Map. Journal of the Endocrine Society, 2021, 5, bvab154.	0.2	2
511	Liver fibrosis assessment: MR and US elastography. Abdominal Radiology, 2022, 47, 3037-3050.	2.1	30

#	ARTICLE	IF	CITATIONS
512	Plantar Soft Tissue Characterization Using Reverberant Shear Wave Elastography: A Proof-of-Concept Study. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 35-46.	1.5	4
513	Influence of Examiners's™ Experience and Region of Interest Location on Semiquantitative Elastography Validity and Reliability. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9247.	2.5	5
514	Convergent Validity and Test-Retest Reliability of Multimodal Ultrasonography and Related Clinical Measures in People With Chronic Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 459-472.e4.	0.9	5
515	Shear wave velocity measurements obtained in different regions are repeatable for presumed normal canine lymph nodes: A pilot study. <i>Veterinary Radiology and Ultrasound</i> , 2021, , .	0.9	1
516	Can ultrasound elastography help better manage mammographic BI-RADS category 4 breast lesions?. <i>Clinical Breast Cancer</i> , 2021, , .	2.4	2
517	Elastografã en musculoesquelãtico. ¿Herramienta o juguete?. <i>Radiologia</i> , 2021, , .	0.5	0
518	2D-shear wave elastography: number of acquisitions can be reduced according to clinical setting. <i>Insights Into Imaging</i> , 2021, 12, 145.	3.4	1
519	Analysis of breast cancer subtypes and their correlations with receptors and ultrasound. <i>Romanian Journal of Morphology and Embryology</i> , 2021, 62, 269-278.	0.8	3
520	A Narrative Review of Ultrasound Technologies for the Prediction of Neoadjuvant Chemotherapy Response in Breast Cancer. <i>Cancer Management and Research</i> , 2021, Volume 13, 7885-7895.	1.9	13
521	Equine flexor tendon imaging part 1: Recent developments in ultrasonography, with focus on the superficial digital flexor tendon. <i>Veterinary Journal</i> , 2021, 278, 105764.	1.7	5
522	Renal Ultrasound Elastography: A Review of the Previous Reports on Chronic Kidney Diseases. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9677.	2.5	6
523	Cystic fibrosis-related liver disease: Clinical presentations, diagnostic and monitoring approaches in the era of CFTR modulator therapies. <i>Journal of Hepatology</i> , 2022, 76, 420-434.	3.7	41
524	Recent ultrasound advancements for the manipulation of nanobiomaterials and nanoformulations for drug delivery. <i>Ultrasonics Sonochemistry</i> , 2021, 80, 105805.	8.2	39
528	Clinical value of ultrasonic elastography in diagnosing thyroid carcinoma. <i>Biomedical Research (Aligarh, India)</i> , 2018, 29, .	0.1	0
529	Mammasonographie. , 2018, , 923-972.		0
530	Echoendoscopy with elastography in mediastinal lymph nodes. <i>Einstein (Sao Paulo, Brazil)</i> , 2019, 17, eMD5157.	0.7	1
531	Clinical utility of TIRADS and ultrasound elastography in characterization of thyroid nodules. <i>International Journal of Research in Medical Sciences</i> , 2019, 7, 328.	0.1	3
532	Spatial Resolution and Measurement Accuracy of the Ultrasound Diagnostic System at Acoustic Remote Palpation Using High Intensity Focusing Ultrasound. <i>East European Journal of Physics</i> , 2019, , .	0.8	0

#	ARTICLE	IF	CITATIONS
533	High Frequency Ultrasound in Aesthetic Dermatology Novel Research for the Use of 18 MHz Shearwave Elastography for Pre and Post Therapy Assessment: A Pilot Study. , 2019, 10, .		0
534	Optimal frequency for vibrational optical coherence elastography (OCE) on tissue mechanical properties characterization. , 2019, , .		1
535	Real-time and non-invasive quantitative phase imaging of pancreatic ductal adenocarcinoma cell mechanical properties. , 2019, , .		1
536	A preliminary study on using reverberant shear wave fields in optical coherence elastography to examine mice brain ex vivo. , 2019, , .		3
537	Ultrasound Elastography Use in Lower Extremity Lymphedema: A Systematic Review of the Literature. Cureus, 2019, 11, e5578.	0.5	8
538	Laser-speckle-contrast projection tomography for three-dimensional shear wave imaging. Optics Letters, 2019, 44, 4809.	3.3	1
539	Value of elastography point quantification in improving the diagnostic accuracy of early diabetic kidney disease. World Journal of Clinical Cases, 2019, 7, 3945-3956.	0.8	7
540	Toward Quantitative and Operator-independent Quasi-static Ultrasound Elastography: An Ex Vivo Feasibility Study. Ultrasonic Imaging, 2020, 42, 179-190.	2.6	3
541	The use of the ultrasound for otorhinolaryngology, head and neck diseases (literature review). Meditsinskiy Sovet, 2020, , 92-100.	0.5	2
542	Ultrasound Elastography: Review of Techniques, Clinical Application, Technical Limitations, and Safety Considerations in Neonatology. Acta Medica Martiniana, 2020, 20, 72-79.	0.3	3
543	Relationship Between 25-HydroxyVitamin D Level and Liver Stiffness in Patients with Chronic Hepatitis B Using Transient Elastography. Hepatitis Monthly, 2020, 20, .	0.2	1
544	Anisotropic regularization of ultrasound pulse-echo tomography for reconstruction of speed-of-sound and tissue heterogeneity through abdominal layers. , 2020, , .		0
545	Determination of Indicators of Mineral Bone Density in Patients with Fibrous Changes in Liver Parenchyma. Ukraïnsĭj Å¾urnal Medicini BÅologÅ Ta Sportu, 2021, 6, 158-162.	0.2	2
546	Interrelationship between liver T2 *âweighted magnetic resonance imaging and acoustic radiation force impulse elastography measurement results and plasma ferritin levels in children with Î²âthalassemia major. Journal of Clinical Ultrasound, 2021, , .	0.8	1
547	ULTRASONIC ELASTOGRAPHY AS A DIAGNOSTICS DEVICE IN A PANCREATOBILIARIC SURGICAL PRACTICE. Bulletin of Problems Biology and Medicine, 2020, 1, 247.	0.1	0
548	AvaliaÃ§Ã£o quantitativa da elastografia do tipo strain por ultrassom de nÃdulos de tireoides: uma nova perspectiva de classificaÃ§Ã£o. Research, Society and Development, 2020, 9, e2491210557.	0.1	0
549	Narrative review of multiparametric ultrasound in parotid gland evaluation. Gland Surgery, 2020, 9, 2295-2311.	1.1	10
550	Scoring model of convex probe endobronchial ultrasound multimodal imaging in differentiating benign and malignant lung lesions. Journal of Thoracic Disease, 2020, 12, 7645-7655.	1.4	4

#	ARTICLE	IF	CITATIONS
551	Shear wave elastography of the submandibular gland in healthy individuals. Journal of International Medical Research, 2020, 48, 030006052097944.	1.0	3
552	Uterine Cervical Change at Term Examined Using Ultrasound Elastography: A Longitudinal Study. Journal of Clinical Medicine, 2021, 10, 75.	2.4	6
553	Applicability of ARFI elastography in the evaluation of canine prostatic alterations detected by b-mode and Doppler Ultrasonography. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2020, 72, 2135-2140.	0.4	3
554	Efficacy of Endoscopic Ultrasound Elastography in Differential Diagnosis of Gastrointestinal Stromal Tumor Versus Gastrointestinal Leiomyoma. Medical Science Monitor, 2021, 27, e927619.	1.1	1
555	Technical Innovations in Pelvic Floor Ultrasonography. , 2021, , 147-170.		2
556	The relation between second-trimester placental elasticity and poor obstetric outcomes in low-risk pregnancies. Journal of Perinatal Medicine, 2021, 49, 468-473.	1.4	3
557	Advanced Imaging in Orthopedics. , 2020, , 613-634.		0
558	Quantitative ultrasound elastography and serum ferritin level in dogs with liver tumors. Journal of Advanced Veterinary and Animal Research, 2020, 7, 575.	1.2	5
559	Ultrasound Imaging. , 2020, , 321-364.		0
560	Cholesterol Granuloma of Omentum Comformed by Ultrasound-Guided Biopsy: A Case Report. Advanced Ultrasound in Diagnosis and Therapy, 2020, 4, 248.	0.1	0
561	Ultrasound elastography in patients with fatty liver disease. Radiologia Brasileira, 2020, 53, 47-55.	0.7	16
562	Noninvasive assesment in differentiating benign and malign pancreatic lesions with EUS elastography and strain ratio. Journal of Health Sciences and Medicine, 0, , .	0.1	0
563	Non-invasive diagnosis of fibrosis in patients with CHC and obesity. Jurnal Infektologii, 2020, 12, 40-47.	0.3	1
564	Thoracic ultrasound: a key tool beyond procedure guidance. , 2020, , 73-89.		2
565	Role of Ultrasound Acoustic Radiation Force Impulse in Differentiating Benign from Malignant Superficial Lymph Nodes. Journal of Clinical Imaging Science, 2020, 10, 18.	1.1	3
566	Dissecting Biological and Synthetic Softâ€“Hard Interfaces for Tissue-Like Systems. Chemical Reviews, 2022, 122, 5233-5276.	47.7	32
567	Advances in the diagnosis of acute pancreatitis in dogs. Journal of Veterinary Internal Medicine, 2021, 35, 2572-2587.	1.6	33
568	Comparison of shear-wave velocities obtained with shear-wave elastography of various peripheral lymph nodes in healthy Beagles. American Journal of Veterinary Research, 2021, , 1-7.	0.6	0

#	ARTICLE	IF	CITATIONS
569	Endogenous motion of liver correlates to the severity of portal hypertension. World Journal of Gastroenterology, 2020, 26, 5836-5848.	3.3	1
570	Ultrasound of the Liver. Medical Radiology, 2021, , 51-76.	0.1	0
571	Recent advances in robotâ€assisted echography: combining perception, control and cognition. Cognitive Computation and Systems, 2020, 2, 85-92.	1.4	3
573	Acoustic radiation force impulse (ARFI) elastography of the stifle joint of healthy beagles. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2020, 72, 1646-1652.	0.4	0
574	Application of transvaginal sonographic elastography to distinguish endometrial cancer from benign masses. American Journal of Translational Research (discontinued), 2019, 11, 1049-1057.	0.0	8
575	The Role of Elastography in Non-Alcoholic Fatty Liver Disease. Current Health Sciences Journal, 2020, 46, 255-269.	0.2	0
576	Evaluation of testicular spermatogenic function by ultrasound elastography in patients with varicocele-associated infertility. American Journal of Translational Research (discontinued), 2021, 13, 9136-9142.	0.0	2
577	Advanced imaging/MRI for tissue engineering. , 2022, , 281-343.		0
578	Micromechanical characterisation of 3D bioprinted neural cell models using Brillouin microspectroscopy. Bioprinting, 2022, 25, e00179.	5.8	9
579	Towards 3D passive shear elasticity imaging using row-columns arrays. , 2021, , .		1
580	Hadamard-encoded synthetic transmit aperture imaging for improvement of strain estimation. , 2021, , .		0
581	Factors Affecting in vivo SH and SV Mode Wave Propagation in vastus lateralis Muscle at Varying Knee Flexion Angles Using Ultrasonic Rotational 3D SWEI. , 2021, , .		2
582	Utility of shear wave ultrasound elastography in evaluation of testicular stiffness in patients with varicocele. Egyptian Journal of Radiology and Nuclear Medicine, 2021, 52, .	0.6	0
583	Renal Acoustic Radiation Force Impulse Elastography in Hypertensive Nephroangiosclerosis Patients. Applied Sciences (Switzerland), 2021, 11, 10612.	2.5	1
585	Multicenter Study of Whole Breast Stiffness Imaging by Ultrasound Tomography (SoftVue) for Characterization of Breast Tissues and Masses. Journal of Clinical Medicine, 2021, 10, 5528.	2.4	4
586	Prostate Cancer Gleason Score From Biopsy to Radical Surgery: Can Ultrasound Shear Wave Elastography and Multiparametric Magnetic Resonance Imaging Narrow the Gap?. Frontiers in Oncology, 2021, 11, 740724.	2.8	2
587	Comparison of 18F-FDG, 18F-Fluoroacetate, and 18F-FEPPA for Imaging Liver Fibrosis in a Bile Duct-Ligated Rat Model. Molecular Imaging, 2021, 2021, 1-11.	1.4	3
588	Comparison of shear-wave velocities obtained with shear-wave elastography of various peripheral lymph nodes in healthy Beagles. American Journal of Veterinary Research, 2021, 82, 981-987.	0.6	0

#	ARTICLE	IF	CITATIONS
589	Advanced Ultrasound Techniques for Differentiation of Benign Versus Malignant Thyroid Nodules. Ultrasound Quarterly, 2021, 37, 315-323.	0.8	3
590	Decoding the molecular subtypes of breast cancer seen on multimodal ultrasound images using an assembled convolutional neural network model: A prospective and multicentre study. EBioMedicine, 2021, 74, 103684.	6.1	21
591	Role of Shear Wave Elastography of Thyroid Gland in Children With Newly Diagnosed Hashimoto's Thyroiditis: Preliminary Study. Journal of Ultrasound in Medicine, 2022, 41, 2217-2225.	1.7	7
592	Sinusoidal Obstruction Syndrome/Hepatic Veno-Occlusive Disease. , 2022, , 143-163.		0
593	Quantitative Imaging in Ultrasound. , 2021, , 1-48.		0
594	Optical Coherence Elastography Applications. , 2021, , 9-1-9-34.		2
595	Ultrasonographic index for the diagnosis of non-alcoholic steatohepatitis in patients with non-alcoholic fatty liver disease. Quantitative Imaging in Medicine and Surgery, 2022, 12, 1815-1829.	2.0	3
597	Quantitative Estimation of Mechanical Anisotropy Using Acoustic Radiation Force (ARF)-Induced Peak Displacements (PD): <i>In Silico</i> and Experimental Demonstration. IEEE Transactions on Medical Imaging, 2022, 41, 1468-1481.	8.9	3
598	Shear Wave Elastography and Thyroid Imaging Reporting and Data System (TIRADS) for the Risk Stratification of Thyroid Nodules—Results of a Prospective Study. Diagnostics, 2022, 12, 109.	2.6	16
599	Overview of Skin Ultrasound. , 2022, , 1-36.		0
600	Interstitial Fluid Behavior and Diseases. Advanced Science, 2022, 9, e2100617.	11.2	9
601	Effects of scattering on ultrasound wave transmission through bioinspired scaffolds. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 105065.	3.1	4
602	Shear wave versus strain elastography of breast lesions—The value of incorporating boundary tissue assessment. Clinical Imaging, 2022, 82, 228-233.	1.5	5
603	Shear wave elastography and pulsed doppler for breast lesions: Similar diagnostic performance and positively correlated stiffness and blood flow resistance. European Journal of Radiology, 2022, 147, 110149.	2.6	2
604	In Vivo Demonstration of Single Transducer Harmonic Motion Imaging (ST-HMI) in a Breast Cancer Mouse Model and Breast Cancer Patients. , 2020, , .		1
605	A Statistical Framework for Model-Based Inverse Problems in Ultrasound Elastography. , 2020, , .		5
606	Layer-specific ultrasound elastography using a multi-layered shear wave dispersion model for assessing the viscoelastic properties. Physics in Medicine and Biology, 2021, 66, 035003.	3.0	2
607	Utilidad de la elastografía cuantitativa por ultrasonografía endoscópica (USE), para el diagnóstico de las lesiones sépticas del páncreas (LSP).. Revista Colombiana De Gastroenterología, 2021, 36, 434-445.	0.2	0

#	ARTICLE	IF	CITATIONS
608	Utilidad de la elastografía cuantitativa en el diagnóstico de las lesiones sólidas del páncreas. Revista Colombiana De Gastroenterología, 2021, 36, 431-433.	0.2	0
609	Simulation of Ultrasound RF Signals Backscattered from a 3D Model of Pulsating Artery Surrounded by Tissue. Diagnostics, 2022, 12, 232.	2.6	1
611	In Hamstring Muscles of Patients With Knee Osteoarthritis an Increased Ultrasound Shear Modulus Indicates a Permanently Elevated Muscle Tonus. Frontiers in Physiology, 2021, 12, 752455.	2.8	5
612	Optical Coherence Elastography as a Tool for Studying Deformations in Biomaterials: Spatially-Resolved Osmotic Strain Dynamics in Cartilaginous Samples. Materials, 2022, 15, 904.	2.9	8
613	Assessing cardiac stiffness using ultrasound shear wave elastography. Physics in Medicine and Biology, 2022, 67, 02TR01.	3.0	22
614	Quantitative Evaluation of Hepatic Steatosis Using Advanced Imaging Techniques: Focusing on New Quantitative Ultrasound Techniques. Korean Journal of Radiology, 2022, 23, 13.	3.4	18
615	Effects of Confounding Factors on Liver Stiffness in Two-Dimensional Shear Wave Elastography in Beagle Dogs. Frontiers in Veterinary Science, 2022, 9, 827599.	2.2	5
616	AUE-Net: Automated Generation of Ultrasound Elastography Using Generative Adversarial Network. Diagnostics, 2022, 12, 253.	2.6	5
617	Ultrasonic Elastography of the Rectus Femoris, a Potential Tool to Predict Sarcopenia in Patients With Chronic Obstructive Pulmonary Disease. Frontiers in Physiology, 2021, 12, 783421.	2.8	17
618	Quantitative evaluation of insulin-induced abdominal subcutaneous dystrophic tissue using shear wave elastography. Journal of Diabetes Investigation, 2022, 13, 1004-1010.	2.4	2
619	Shear wave elastography of lymph nodes in dogs with head and neck cancer: A pilot study. Veterinary and Comparative Oncology, 2022, 20, 521-528.	1.8	6
620	Shear-Wave-Elastography in Neurofibromatosis Type I. Diagnostics, 2022, 12, 360.	2.6	5
621	Label-Free Morphological Phenotyping of In Vitro 3D Microtumors. Methods in Molecular Biology, 2022, 2394, 31-46.	0.9	0
622	Impingement in Insertional Achilles Tendinopathy Occurs Across a Larger Range of Ankle Angles and Is Associated With Increased Tendon Thickness. Foot and Ankle International, 2022, 43, 683-693.	2.3	1
623	Does aging affect the elastic properties of the bladder and the urethra in nulliparous women: An ultrasound shear wave elastography study. Neurourology and Urodynamics, 2022, , .	1.5	3
624	Hadamard-Encoded Synthetic Transmit Aperture Imaging for Improved Lateral Motion Estimation in Ultrasound Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1204-1218.	3.0	3
625	Intradiological pathology-calibrated electrical impedance spectroscopy in the evaluation of excision-required breast lesions. Medical Physics, 2022, 49, 2746-2760.	3.0	2
626	The Association between Tensiomyography and Elastography Stiffness Measurements in Lower Limb Skeletal Muscles. Sensors, 2022, 22, 1206.	3.8	1

#	ARTICLE	IF	CITATIONS
627	Ultrasound findings of the thyroid gland in children and adolescents. Journal of Ultrasound, 2023, 26, 211-221.	1.3	1
628	Association of Serum Vitamin C With NAFLD and MAFLD Among Adults in the United States. Frontiers in Nutrition, 2021, 8, 795391.	3.7	13
629	Reliability and diagnostic accuracy of corrected slack angle derived from 2D-SWE in quantitating muscle spasticity of stroke patients. Journal of NeuroEngineering and Rehabilitation, 2022, 19, 15.	4.6	5
630	Repeatability and reproducibility of quantitative cervical strain elastography (E-Cervix) in pregnancy. Scientific Reports, 2021, 11, 23689.	3.3	5
631	Short- and long-term effects of whole-body photobiomodulation on pain, functionality, tissue quality, central sensitisation and psychological factors in a population suffering from fibromyalgia: protocol for a triple-blinded randomised clinical trial. Therapeutic Advances in Chronic Disease, 2022, 13, 204062232210780.	2.5	10
632	Role of shear wave elastography of synovium to differentiate rheumatoid and tubercular arthritis. Journal of Medical Ultrasound, 2022, 30, 30.	0.4	4
634	The use of computational models in orthopedic biomechanical research. , 2022, , 681-712.		5
635	Assessment of photoacoustic tomography contrast for breast tissue imaging using 3D correlative virtual histology. Scientific Reports, 2022, 12, 2532.	3.3	2
636	Prediction of high-risk esophageal varices in patients with chronic liver disease with point and 2D shear wave elastography: a systematic review and meta-analysis. European Radiology, 2022, 32, 4616-4627.	4.5	13
637	Reliability of B-mode ultrasound and shear wave elastography in evaluating sacral bone and soft tissue characteristics in young adults with clinical feasibility in elderly. Journal of Tissue Viability, 2022, 31, 245-254.	2.0	3
638	Why apparent contrast in elasticity of biological tissues is noticeably different for compression ultrasound elastography and OCE. , 2022, , .		0
639	Liver Elastography: Basic Principles, Evaluation Technique, and Confounding Factors. , 0, , .		0
640	Evaluation of Liver Fibrosis Using Shear Wave Elastography: An Overview. , 0, , .		0
641	Probing elastic anisotropy of human skin in vivo with light using non-contact acoustic micro-tapping OCE and polarization sensitive OCT. Scientific Reports, 2022, 12, 3963.	3.3	14
642	Quantitative Evaluation of the Normal Cervix, Cervical Cancer, and Cervical Precancerous Changes Via Real-Time Shear Wave Elastography. Journal of Ultrasound in Medicine, 2023, 42, 345-354.	1.7	2
643	How complex viscoelastic behaviors within a viscoelastic three-layer structure affect the measurement accuracy of ultrasound viscoelastic creep imaging. Mechanics of Advanced Materials and Structures, 2023, 30, 2064-2086.	2.6	3
644	Editorial: Quantitative Imaging for Clinical Decisions. Frontiers in Oncology, 2022, 12, 858372.	2.8	0
645	New approaches suggest term and preterm human fetal membranes may have distinct biomechanical properties. Scientific Reports, 2022, 12, 5109.	3.3	2

#	ARTICLE	IF	CITATIONS
646	Spatial Assessment of Heterogeneous Tissue Natural Frequency Using Micro-Force Optical Coherence Elastography. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 851094.	4.1	2
647	Ultrasound-Induced DNA Damage and Cellular Response: Historical Review, Mechanisms Analysis, and Therapeutic Implications. <i>Radiation Research</i> , 2022, 197, .	1.5	1
648	Ultrasound shear wave elastography cannot discriminate between low- and high-pressure neurogenic bladders. <i>Journal of Pediatric Urology</i> , 2022, , .	1.1	1
649	Optical coherence elastography to evaluate depth-resolved elasticity of tissue. <i>Optics Express</i> , 2022, 30, 8709.	3.4	4
650	2D-shear wave elastography in the evaluation of suspicious superficial inguinal lymph nodes: Reproducibility and region of interest selection. <i>PLoS ONE</i> , 2022, 17, e0265802.	2.5	2
651	Doppler hemodynamic liver index and hepatic elastic modulus: Advanced ultrasonographic techniques for noninvasive prediction of esophageal varices in cirrhosis. <i>Journal of Clinical Ultrasound</i> , 2022, 50, 354-363.	0.8	2
652	Two-dimensional shear wave elastography for assessing liver fibrosis in patients with chronic liver disease: a prospective cohort study. <i>Korean Journal of Internal Medicine</i> , 2022, 37, 285-293.	1.7	6
653	Letter to the editor regarding the article "kidney tissue elastography and interstitial fibrosis observed in kidney biopsy". <i>Renal Failure</i> , 2022, 44, 426-427.	2.1	1
654	Ultrasound Examination of Unilateral Seminoma in a Salernitano Stallion. <i>Animals</i> , 2022, 12, 936.	2.3	2
655	Preliminary Exploration on the Value of Shear Wave Elastography in Evaluating the Effectiveness of Microwave Ablation on Hepatic Malignancies. <i>Ultrasound Quarterly</i> , 2022, 38, 160-164.	0.8	2
656	Effect of contrast-enhanced ultrasound (CEUS) on liver stiffness measurements obtained by transient and shear-wave elastography. <i>Panminerva Medica</i> , 2022, 64, .	0.8	4
657	Kidney Ultrasound for Nephrologists: A Review. <i>Kidney Medicine</i> , 2022, 4, 100464.	2.0	14
658	Ultrasound elastography in the assessment of post-stroke muscle stiffness: a systematic review. <i>Insights Into Imaging</i> , 2022, 13, 67.	3.4	11
659	Second-Trimester Cervical Shear Wave Elastography Combined With Cervical Length for the Prediction of Spontaneous Preterm Birth. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 820-829.	1.5	7
660	Effect of Tissue Excitation in Breast Cancer Detection from Ultrasound RF Time Series: Phantom studies. , 2021, , .		0
661	Identifying an Egg-Containing Follicle by Displacement Analysis of the Follicle Border. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , 2021, 34, 303-309.	0.1	1
662	Factors associated with the elasticity of asymptomatic carotid plaques in hypertension Tibetan population. <i>Vascular</i> , 2021, , 170853812110609.	0.9	0
663	Electromagnetic acoustic imaging methods: resolution, signal-to-noise, and image contrast in phantoms. <i>Journal of Medical Imaging</i> , 2021, 8, 067001.	1.5	0

#	ARTICLE	IF	CITATIONS
664	The application of ultrasound shear wave elastography in the prediction of paradoxical upgrading reaction in tuberculous lymphadenitis. a pilot study. Journal of the Formosan Medical Association, 2022, 121, 1696-1704.	1.7	5
665	Quantification for biomechanical properties of human cornea by using acoustic radiation force optical coherence elastography. Journal of Modern Optics, 2022, 69, 150-159.	1.3	2
666	Characterizing the elasticity of skeletal muscle using quantitative micro-elastography. , 2021, , .		0
667	Dynamic X-ray elastography using a pulsed photocathode source. Scientific Reports, 2021, 11, 24128.	3.3	1
668	Limitations of Muscle Ultrasound Shear Wave Elastography for Clinical Routine—Positioning and Muscle Selection. Sensors, 2021, 21, 8490.	3.8	22
669	Optimization of Antiosteoporotic Therapy in Patients with Liver Fibrosis. Ukraïns'kij Åžurnal Medicini BÅologÅ-Ta Sportu, 2021, 6, 100-106.	0.2	0
670	Diagnostic and prognostic value of a diffusion-weighted image of the liver with magnetic resonance imaging in patients with alcoholic liver disease. Medical Visualization, 2022, 25, 106-114.	0.4	0
671	Diagnostic value of endobronchial ultrasound elastography combined with rapid onsite cytological evaluation in endobronchial ultrasound-guided transbronchial needle aspiration. BMC Pulmonary Medicine, 2021, 21, 423.	2.0	0
672	Breast Cancer Detection from a New Ultrasound RF Time Series Based Approach: Phantom Studies. , 2021, , .		0
673	Super-Resolved Microbubble Localization in Single-Channel Ultrasound RF Signals Using Deep Learning. IEEE Transactions on Medical Imaging, 2022, 41, 2532-2542.	8.9	11
674	Computational Modeling of an Elastography Technique Based on Measurements of the Multilayer Wave Propagation Shear Velocity: Preliminary Results. , 2022, , .		0
675	Advantages and Limitations of Intraoperative Ultrasound Strain Elastography Applied in Brain Tumor Surgery: A Single-Center Experience. Operative Neurosurgery, 2022, 22, 305-314.	0.8	7
676	Advanced Neuroimaging Role in Traumatic Brain Injury: A Narrative Review. Frontiers in Neuroscience, 2022, 16, 872609.	2.8	11
677	Quantitative measurement of the palatal mucosa in cleft lip and palate using elastography. , 2022, 81, 105-110.		1
678	The Place of Elastography for Liver Tumors Assessment. , 0, , .		0
679	An Artificial Tactile Neuron Enabling Spiking Representation of Stiffness and Disease Diagnosis. Advanced Materials, 2022, 34, e2201608.	21.0	20
680	Compression optical coherence elastography versus strain ultrasound elastography for breast cancer detection and differentiation: pilot study. Biomedical Optics Express, 2022, 13, 2859.	2.9	8
681	Skin Layer Thickness and Shear Wave Elastography Changes Induced by Intensive Decongestive Treatment of Lower Limb Lymphedema.. Lymphatic Research and Biology, 2021, , .	1.1	0

#	ARTICLE	IF	CITATIONS
683	A Comparison of Shear Wave Elastography between Normal Myometrium, Uterine Fibroids, and Adenomyosis: A Cross-Sectional Study.. International Journal of Fertility & Sterility, 2022, 16, 49-54.	0.2	4
684	Elastography for characterization of focal liver lesions: current evidence and future perspectives. Minerva Gastroenterology, 2021, 67, 196-208.	0.5	3
685	Clinical-laboratory and ultrasound parallels of changes in the liver and thyroid gland in diffuse toxic goiter. Journal of Medicine and Life, 2022, 15, 78-88.	1.3	0
686	Ultrasound elastography. Endoscopic Ultrasound, 2022, 11, 252.	1.5	16
687	Unsupervised Convolutional Neural Network for Motion Estimation in Ultrasound Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2236-2247.	3.0	10
688	Elasticity Quantification Using an Empirical Relationship Between Single Transducer “Harmonic Motion Imaging-Derived Displacement Versus Oscillation Frequency. , 2022, , .		0
689	Elastography Methods in the Prediction of Malignancy in Thyroid Nodules. , 0, , .		0
690	A scoping review of methods used in musculoskeletal soft tissue and nerve shear wave elastography studies. Clinical Neurophysiology, 2022, 140, 181-195.	1.5	11
691	Noninvasive diagnosis of periportal fibrosis in schistosomiasis mansoni: A comprehensive review. World Journal of Hepatology, 2022, 14, 696-707.	2.0	3
692	Endoscopic Ultrasound Elastography: New Advancement inÂPancreatic Diseases. , 0, , .		0
693	Diagnostic value of shear wave ultrasound elastography of tibial nerve in patients with diabetic peripheral neuropathy. Egyptian Journal of Radiology and Nuclear Medicine, 2022, 53, .	0.6	2
694	Shear wave elastography as a potential additional diagnostic tool in primary Sjögren’s syndrome: an observational study. Rheumatology International, 2022, 42, 1579-1587.	3.0	5
695	Do deep inspiration breath-holds and free-breathing affect pancreatic tissue stiffness in shear wave elastography?. Abdominal Radiology, 2022, 47, 2390-2396.	2.1	2
696	ARFI elastography of the omentum: feasibility and diagnostic performance in differentiating benign from malignant omental masses. BMJ Open Gastroenterology, 2022, 9, e000901.	2.7	1
697	High-Order Pulse-Echo Ultrasound. Physical Review Applied, 2022, 17, .	3.8	1
698	Ultrasound elastography in the diagnosis of biliary atresia in pediatric surgery: a systematic review and meta-analysis of diagnostic test. Translational Pediatrics, 2022, 11, 748-756.	1.2	5
699	Two-dimensional shear wave elastography with two different systems for the diagnosis of breast lesions. Clinical Hemorheology and Microcirculation, 2022, 82, 53-62.	1.7	2
700	Case Report: Primary Mediastinal Large B-Cell Lymphoma Invasion of Extranodal Thyroid Tissue Mimicking Tuberculosis and Confounded by Similar Ultrasonic Appearance. Frontiers in Oncology, 2022, 12, .	2.8	0

#	ARTICLE	IF	CITATIONS
701	Imaging of Single Transducer-Harmonic Motion Imaging-Derived Displacements at Several Oscillation Frequencies Simultaneously. IEEE Transactions on Medical Imaging, 2022, 41, 3099-3115.	8.9	5
702	Elastographic evaluation of the effect of sickle cell anemia on testicles: a prospective study. Andrologia, 0, , .	2.1	0
703	Intra- and Interobserver Variability of Shear Wave Elastography in Rectal Cancer. Cancers, 2022, 14, 2633.	3.7	1
704	Ultrasonography for the diagnosis of carpal tunnel syndrome: an umbrella review. Journal of Neurology, 2022, 269, 4663-4675.	3.6	26
705	A Novel Technique for the Evaluation and Interpretation of Elastography in Salivary Gland Involvement in Primary Sjögren Syndrome. Frontiers in Medicine, 0, 9, .	2.6	1
706	Ultrasound Elastography for Liver Disease with Focus on Hepatic Fibrosis. Journal of Clinical Ultrasound, 2022, 7, 1-10.	0.0	0
707	Recent Advances in Prostate Cancer (PCa) Diagnostics. Uro, 2022, 2, 109-121.	0.8	1
708	Effects of Different Long-Term Exercise Modalities on Tissue Stiffness. Sports Medicine - Open, 2022, 8, .	3.1	7
710	Effect of Depth on Ultrasound Point Shear Wave Elastography in an Elasticity Phantom. Applied Sciences (Switzerland), 2022, 12, 6295.	2.5	4
711	Quantitative Compression Elastography With an Uncalibrated Stress Sensor. Frontiers in Physics, 0, 10, .	2.1	0
712	Ultrasound elastography in children – nice to have for scientific studies or arrived in clinical routine?. Molecular and Cellular Pediatrics, 2022, 9, .	1.8	6
713	Evaluating short-term outcomes of the value of sound touch elastography (STE) following the treatment for Budd-Chiari syndrome (BCS): a case series study. Clinical Radiology, 2022, , .	1.1	0
714	Joint Localization and Classification of Breast Cancer in B-Mode Ultrasound Imaging via Collaborative Learning With Elastography. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4474-4485.	6.3	8
715	HOW USEFUL IS ELASTOGRAPHY IN THE FOLLOW-UP OF ACHILLES TENDON REPAIR?. Acta Ortopedica Brasileira, 2022, 30, .	0.5	0
716	Stereoscopic Optical Palpation for Tumour Margin Assessment in Breast-Conserving Surgery. SSRN Electronic Journal, 0, , .	0.4	0
717	Peripheral nerve defects repaired with autogenous vein grafts filled with platelet-rich plasma and active nerve microtissues and evaluated by novel multimodal ultrasound techniques. Biomaterials Research, 2022, 26, .	6.9	8
718	Introduction of a Novel Image-Based and Non-Invasive Method for the Estimation of Local Elastic Properties of Great Vessels. Electronics (Switzerland), 2022, 11, 2055.	3.1	7
719	Multimodal Sonographic Appearance and Survival Outcomes of 69 Cases of Primary Thyroid Lymphoma Over 10 Years. Journal of Ultrasound in Medicine, 0, , .	1.7	2

#	ARTICLE	IF	CITATIONS
720	Changes in stiffness at active myofascial trigger points of the upper trapezius after dry needling in patients with chronic neck pain: a randomized controlled trial. <i>Acupuncture in Medicine</i> , 2023, 41, 121-129.	1.0	7
721	Deep learning in ultrasound elastography imaging: A review. <i>Medical Physics</i> , 2022, 49, 5993-6018.	3.0	8
722	Shear wave dispersion to assess liver disease progression in Fontan-associated liver disease. <i>PLoS ONE</i> , 2022, 17, e0271223.	2.5	3
723	The effect of phasic versus combined neuromuscular electrical stimulation using the StimaWELL 120MTRS system on multifidus muscle morphology and function in patients with chronic low back pain: a randomized controlled trial protocol. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, .	1.9	1
724	Elastography Assisted <scp>BI&RADS</scp> in the Preoperative Breast Magnetic Resonance Imaging 4a Lesions in China. <i>Journal of Ultrasound in Medicine</i> , 0, , .	1.7	2
725	The Clinical Application of Combined Ultrasound, Mammography, and Tumor Markers in Screening Breast Cancer among High-Risk Women. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-6.	1.3	2
726	Combination of ultrasonography and tongue depressor for predicting difficult laryngoscopy in apparently normal patients. <i>Journal of Radiation Research and Applied Sciences</i> , 2022, 15, 174-180.	1.2	1
727	Measurement of aspiration pressure in cannula brain tumour biopsy and its correlation with ultrasonographic elastography. <i>Journal of Clinical Neuroscience</i> , 2022, 103, 9-13.	1.5	4
728	Evaluation of pelvic floor muscle elasticity in patients with overactive bladder syndrome using real-time tissue elastography. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2022, 276, 9-13.	1.1	0
729	Three-Dimensional Shear Wave Elastography Using a 2D Row Column Addressing (RCA) Array. <i>BME Frontiers</i> , 2022, 2022, .	4.5	9
730	Organic&Inorganic Hybrid Perovskite Materials for Ultrasonic Transducer in Medical Diagnosis. <i>Crystals</i> , 2022, 12, 1043.	2.2	2
731	Inhibition of lysyl oxidase&like 2 overcomes adhesion&dependent drug resistance in the collagen&enriched liver cancer microenvironment. <i>Hepatology Communications</i> , 2022, 6, 3194-3211.	4.3	5
732	Ultrasound shear-wave computed tomography for elasticity imaging. <i>Applied Physics Letters</i> , 2022, 121, 043702.	3.3	1
733	Measurement Accuracy of Ultrasound Viscoelastic Creep Imaging in Measuring the Viscoelastic Properties of Heterogeneous Materials. <i>Advances in Technology Innovation</i> , 2022, 7, 229-241.	0.5	1
734	Role of Elastography in the Evaluation of Parathyroid Disease. , 0, , .		0
735	Mesenteric elasticity assessed by shear wave elastography and its relationship with peritoneal function in peritoneal dialysis patients. <i>CKJ: Clinical Kidney Journal</i> , 2023, 16, 69-77.	2.9	2
736	Updated Role of High-frequency Ultrasound in Assessing Dermatological Manifestations in Autoimmune Skin Diseases. <i>Acta Dermato-Venereologica</i> , 0, 102, adv00765.	1.3	4
737	Compression Elastography and Shear Wave Ultrasound Elastography for Measurement of Brain Elasticity in Full&Term and Premature Neonates. <i>Journal of Ultrasound in Medicine</i> , 0, , .	1.7	2

#	ARTICLE	IF	CITATIONS
738	Effects of orally administered hormonal contraceptives on the musculoskeletal system of healthy premenopausal women—A systematic review. <i>Health Science Reports</i> , 2022, 5, .	1.5	2
739	Recent Advances in Non-Invasive Blood Pressure Monitoring and Prediction Using a Machine Learning Approach. <i>Sensors</i> , 2022, 22, 6195.	3.8	13
740	Bone tissue growth in ultrasonically stimulated bioinspired scaffolds. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2023, 26, 1134-1139.	1.6	1
741	Role of Multiparametric Intestinal Ultrasound in the Evaluation of Response to Biologic Therapy in Adults with Crohn's Disease. <i>Diagnostics</i> , 2022, 12, 1991.	2.6	7
742	Strain sonoelastography in asymptomatic individuals and individuals with knee osteoarthritis: an evaluation of quadriceps and patellar tendon. <i>Rheumatology International</i> , 2022, 42, 2241-2251.	3.0	3
743	The diagnostic value of a nomogram based on multimodal ultrasonography for thyroid-nodule differentiation: A multicenter study. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	1
745	Use of shear wave elastography for the diagnosis and follow-up of biliary atresia: A meta-analysis. <i>World Journal of Gastroenterology</i> , 2022, 28, 4726-4740.	3.3	4
746	Enhanced endoscopic ultrasound imaging for pancreatic lesions: The road to artificial intelligence. <i>World Journal of Gastroenterology</i> , 2022, 28, 3814-3824.	3.3	6
747	Analysis of influencing factors of shear wave elastography of the superficial tissue: A phantom study. <i>Frontiers in Medicine</i> , 0, 9, .	2.6	1
748	SWEmean of Quadriceps, a Potential Index of Complication Evaluation to Patients with Chronic Obstructive Pulmonary Disease. <i>International Journal of COPD</i> , 0, Volume 17, 1921-1928.	2.3	2
749	The role of shear wave elastography in differentiation between benign and malignant portal vein thrombosis in hepatocellular carcinoma. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2022, 53, .	0.6	0
750	Ultrasound in the Differential Diagnosis of Medial Epicondylalgia and Medial Elbow Pain—Imaging Findings and Narrative Literature Review. <i>Healthcare (Switzerland)</i> , 2022, 10, 1529.	2.0	2
751	Liver and spleen stiffness as assessed by vibration controlled transient elastography for diagnosing clinically significant portal hypertension in comparison with other elastography-based techniques in adults with chronic liver disease. <i>The Cochrane Library</i> , 2022, 2022, .	2.8	1
752	Quantitative stiffness assessment of cardiac grafts using ultrasound in a porcine model: A tissue biomarker for heart transplantation. <i>EBioMedicine</i> , 2022, 83, 104201.	6.1	4
753	Effects of Maximal Eccentric Exercise on Deep Fascia Stiffness of the Knee Flexors: A Pilot Study using Shear-Wave Elastography. <i>Journal of Sports Science and Medicine</i> , 0, , 419-425.	1.6	9
754	Applications of elastography in operative neurosurgery: A systematic review. <i>Journal of Clinical Neuroscience</i> , 2022, 104, 18-28.	1.5	4
755	Clinical Value of Contrast-Enhanced Ultrasound in Breast Cancer Diagnosis. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-6.	1.3	4
756	2D-SWE of the Metacarpophalangeal Joint Capsule in Horses. <i>Veterinary Sciences</i> , 2022, 9, 478.	1.7	0

#	ARTICLE	IF	CITATIONS
757	Three-dimensional mechanical characterization of murine skeletal muscle using quantitative micro-elastography. Biomedical Optics Express, 2022, 13, 5879.	2.9	2
758	An Efficient and Multi-Focal Focused Ultrasound Technique for Harmonic Motion Imaging. IEEE Transactions on Biomedical Engineering, 2023, 70, 1150-1161.	4.2	4
759	Evaluation of the plantar fascia in patients with diabetes mellitus: the role of sonoelastography. Polish Journal of Radiology, 2022, 87, 500-505.	0.9	2
760	Acoustic molecular imaging beyond the diffraction limit <i>in vivo</i>. IEEE Open Journal of Ultrasonics, Ferroelectrics, and Frequency Control, 2022, , 1-1.	1.4	0
761	Role of ultrasonography and strain elastography findings in peripheral nerve sheath tumor: A narrative review. Journal of Datta Meghe Institute of Medical Sciences University, 2022, 17, 187.	0.1	0
762	High-Intensity Focused Ultrasound Surgery Based on KUKA Robot: A Computer-Assisted Platform for Noninvasive Surgical Treatments on Static and Moving Organs. IEEE Robotics and Automation Magazine, 2022, , 2-16.	2.0	0
763	Effects of Lymphovenous Anastomosis Surgery Using Ultrasonography in Lymphedema From a Pressure Perspective. Annals of Rehabilitation Medicine, 2022, 46, 202-208.	1.6	0
764	US LI-RADS: Ultrasound liver imaging reporting and data system application for screening and surveillance of hepatocellular carcinoma during national mass screening campaign for patients with positive HCV serological test. International Journal of Health Sciences, 0, , 1442-1449.	0.1	0
765	Comparative accuracy of endosonographic shear wave elastography and transcutaneous liver stiffness measurement: a pilot study. Gastrointestinal Endoscopy, 2023, 97, 35-41.e1.	1.0	10
766	Development and validation of a novel diagnostic tool for predicting the malignancy probability of thyroid nodules: A retrospective study based on clinical, B-mode, color doppler and elastographic ultrasonographic characteristics. Frontiers in Endocrinology, 0, 13, .	3.5	1
767	Advances in non-invasive biosensing measures to monitor wound healing progression. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	3
768	Is Strain Elastography Useful in Diagnosing Chronic Autoimmune Thyroiditis in Children?. Applied Sciences (Switzerland), 2022, 12, 8881.	2.5	1
769	Vascular elasticity measurement of the great saphenous vein based on optical coherence elastography. Journal of Biophotonics, 2023, 16, .	2.3	0
770	Multiparametric analysis of carotid body tumours: a pictorial essay. Journal of Ultrasound, 2023, 26, 553-561.	1.3	1
771	Supersonic shear wave imaging of the tibial nerve for diagnosis of diabetic peripheral neuropathy: A meta-analysis. Frontiers in Endocrinology, 0, 13, .	3.5	1
772	Advances in the clinical application of ultrasound elastography in uterine imaging. Insights Into Imaging, 2022, 13, .	3.4	4
773	Quantification of the in vivo stiffness and natural length of the human plantar aponeurosis during quiet standing using ultrasound elastography. Scientific Reports, 2022, 12, .	3.3	0
774	Shear wave elastography measurements in dogs treated surgically for congenital extrahepatic portosystemic shunts. Frontiers in Veterinary Science, 0, 9, .	2.2	2

#	ARTICLE	IF	CITATIONS
775	Endorectal Ultrasound Shear-Wave Elastography of Complex Rectal Adenoma and Early Rectal Cancer. <i>Diagnostics</i> , 2022, 12, 2166.	2.6	2
776	Machine learning models including insulin resistance indexes for predicting liver stiffness in United States population: Data from NHANES. <i>Frontiers in Public Health</i> , 0, 10, .	2.7	3
777	Quantitative Assessment of Liver Impairment in Chronic Viral Hepatitis with [99mTc]Tc-Mebrofenin: A Noninvasive Attempt to Stage Viral Hepatitis-Associated Liver Fibrosis. <i>Medicina (Lithuania)</i> , 2022, 58, 1333.	2.0	1
778	Liver and heart failure: an ultrasound relationship. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2022, .	1.3	2
779	Diagnostic performance of elastosonography in the differential diagnosis of benign and malignant salivary gland tumors: A meta-analysis. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	2
780	Pulse-echo speed-of-sound imaging using convex probes. <i>Physics in Medicine and Biology</i> , 2022, 67, 215016.	3.0	11
781	Impact of Loading and Myocardial Mechanical Properties on Natural Shear Waves. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 2023-2034.	5.3	13
782	Preliminary Results on the Preinduction Cervix Status by Shear Wave Elastography. <i>Mathematics</i> , 2022, 10, 3164.	2.2	1
783	Accuracy of Ultrasonography vs. Elastography in Patients With Non-alcoholic Fatty Liver Disease: A Systematic Review. <i>Cureus</i> , 2022, , .	0.5	0
784	Automated Breast Ultrasound. <i>Medical Radiology</i> , 2022, , 127-141.	0.1	0
785	Mechanobiology and Applications in Biomaterials for Soft Tissue Repair and Regeneration. , 2022, , .		0
786	A review of physical and engineering factors potentially affecting shear wave elastography. <i>Choonpa Igaku</i> , 2022, , .	0.0	0
787	A review of artificial intelligence in prostate cancer detection on imaging. <i>Therapeutic Advances in Urology</i> , 2022, 14, 175628722211287.	2.0	12
788	Real-time ultrasound elastographic features and color doppler imaging of mitral valve prolapse. <i>Turkish Journal of Internal Medicine</i> , 0, , .	0.6	0
789	Comparisons among the Ultrasonography Prediction Model, Real-Time and Shear Wave Elastography in the Evaluation of Major Salivary Gland Tumors. <i>Diagnostics</i> , 2022, 12, 2488.	2.6	1
790	Diagnostic performance of gray-scale ultrasound and shear wave elastography in assessing salivary gland involvement in patients with primary Sjögren's syndrome. <i>Journal of Clinical Ultrasound</i> , 2023, 51, 187-194.	0.8	3
791	Acoustic Radiation Force Impulse Elastography Assessment of Lymphoedema Tissue: An Insight into Tissue Stiffness. <i>Cancers</i> , 2022, 14, 5281.	3.7	1
792	The diagnostic performance of ultrasound elastography for biliary atresia: A meta-analysis. <i>Frontiers in Public Health</i> , 0, 10, .	2.7	3

#	ARTICLE	IF	CITATIONS
793	Changes in Circadian Variations in Blood Pressure, Pain Pressure Threshold and the Elasticity of Tissue after a Whole-Body Photobiomodulation Treatment in Patients with Fibromyalgia: A Triple-Blinded Randomized Clinical Trial. <i>Biomedicines</i> , 2022, 10, 2678.	3.2	12
794	Variability of Biceps Muscle Stiffness Measured Using Shear Wave Elastography at Different Anatomical Locations With Different Ultrasound Machines. <i>Ultrasound in Medicine and Biology</i> , 2023, 49, 398-409.	1.5	1
795	Constitutive parameter identification of transtibial residual limb soft tissue using ultrasound indentation and shear wave elastography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2023, 137, 105541.	3.1	2
796	Elastographic Evaluation of Thyroid Nodules in Children and Adolescents with Hashimoto's Thyroiditis and Nodular Goiter with Reference to Cytological and/or Histopathological Diagnosis. <i>Journal of Clinical Medicine</i> , 2022, 11, 6339.	2.4	2
798	Strain Versus 2D Shear-Wave Elastography Parameters—Which Score Better in Predicting Thyroid Cancer?. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 11147.	2.5	0
799	Ultrasound Elastography in Neurosurgery: Current Applications and Future Perspectives. <i>World Neurosurgery</i> , 2023, 170, 195-205.e1.	1.3	1
800	Evaluating Different Quantitative Shear Wave Parameters of Ultrasound Elastography in the Diagnosis of Lymph Node Malignancies: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2022, 14, 5568.	3.7	2
801	Association between urethral funneling in stress urinary incontinence and the biological properties of the urethral rhabdosphincter muscle based on shear wave elastography. <i>Neurourology and Urodynamics</i> , 2023, 42, 282-288.	1.5	2
802	Stiffness as measured with strain elastography is a prognostic factor for pT1/T2 tongue squamous cell carcinoma with muscle-layer invasion. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2022, , .	0.4	0
803	Artificial intelligence-based ultrasound imaging technologies for hepatic diseases. , 2022, 1, 252-264.		2
804	Ultrasound and shear wave elastography have promising role in predicting diabetic peripheral neuropathy in patients with type 2 diabetes mellitus. <i>Journal of Clinical Ultrasound</i> , 2022, 50, 1412-1413.	0.8	0
806	Effect of durations and pressures of cupping therapy on muscle stiffness of triceps. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	3
807	Combined Shear Wave Elastography and EU TIRADS in Differentiating Malignant and Benign Thyroid Nodules. <i>Cancers</i> , 2022, 14, 5521.	3.7	6
808	Elastography in musculoskeletal imaging: A tool or a toy?. <i>Radiologia</i> , 2022, 64, 566-572.	0.5	0
809	A nomogram based on shear wave elastography for assessment of renal fibrosis in patients with chronic kidney disease. <i>Journal of Nephrology</i> , 0, , .	2.0	4
810	Techniques for characterizing mechanical properties of soft tissues. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2023, 138, 105575.	3.1	12
811	A fiber Bragg grating tactile sensor for soft material characterization based on quasi linear viscoelastic analysis. <i>Sensors and Actuators A: Physical</i> , 2023, 349, 114079.	4.1	3
812	Quantitative Optical Coherence Elastography: A Novel Intensity-Based Inversion Method Versus Strain-Based Reconstructions. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2023, 29, 1-16.	2.9	1

#	ARTICLE	IF	CITATIONS
813	Magnetomotive Ultrasound Shear Wave Elastography (MMUS-SWE): A Validation Study From Simulations to Experiments. IEEE Transactions on Biomedical Engineering, 2023, 70, 1758-1767.	4.2	1
814	Difference-Frequency-Based Ultrasonic Contrast Imaging of Material Elasticities. , 2022, , .		0
815	Displacement-based Reconstruction of Elasticity Distribution with Deep Neural Network. , 2022, , .		0
816	Ultrasonography as Biofeedback to Increase Muscle Activation During the Mendelsohn Maneuver in Healthy Adults. Dysphagia, 0, , .	1.8	1
817	Shear wave elastography for differentiating parathyroid neoplasms with malignant diagnosis or uncertain malignant potential from parathyroid adenomas: initial experience. Cancer Imaging, 2022, 22, .	2.8	2
818	Variability, Validity and Operator Reliability of Three Ultrasound Systems for Measuring Tissue Stiffness: A Phantom Study. Cureus, 2022, , .	0.5	0
819	The use of shear wave elastography to monitor changes in gingival elasticity associated with initial periodontal therapy in patients with advanced periodontitis: A prospective pilot study. Journal of Dental Sciences, 2023, 18, 1086-1093.	2.5	0
820	Do Psychological Factors Influence the Elastic Properties of Soft Tissue in Subjects with Fibromyalgia? A Cross-Sectional Observational Study. Biomedicines, 2022, 10, 3077.	3.2	2
823	Compression Optical Coherence Elastography for Assessing Elasticity of the Vaginal Wall under Prolapse after Neodymium Laser Treatment. Photonics, 2023, 10, 6.	2.0	3
824	Comparison of Strain and Shear Wave Elastography in Prostate Cancer Detection. Ultrasound in Medicine and Biology, 2023, 49, 889-900.	1.5	1
825	Quasi-static ultrasound elastography of ex-vivo porcine vocal folds during passive elongation and adduction. Journal of Voice, 2022, , .	1.5	3
826	Intra-individual comparison of two-dimensional shear wave elastography techniques using plane wave imaging and the multi-beam technique: are they interchangeable in measuring liver fibrosis?. Ultrasonography, 2023, 42, 265-274.	2.3	1
828	Quantitative Assessment of Breast-Tumor Stiffness Using Shear-Wave Elastography Histograms. Diagnostics, 2022, 12, 3140.	2.6	2
829	Noninvasive ultrasound assessment of tissue internal pressure using dual mode elasticity imaging: a phantom study. Physics in Medicine and Biology, 2023, 68, 015012.	3.0	0
830	Ultrasound Elastography for the Diagnosis of Endometriosis and Adenomyosis: A Systematic Review with Meta-analysis. Ultrasound in Medicine and Biology, 2023, 49, 699-709.	1.5	3
831	Recent advances in optical elastography and emerging opportunities in the basic sciences and translational medicine [Invited]. Biomedical Optics Express, 2023, 14, 208.	2.9	5
832	Ultrasonographic and cytological characterization of ultrasound-guided fine-needle aspiration cytology of cervical lymph nodes for false-negative and false-positive diagnosis. European Archives of Oto-Rhino-Laryngology, 0, , .	1.6	0
833	Diagnostic Performance of Various Ultrasound Risk Stratification Systems for Benign and Malignant Thyroid Nodules: A Meta-Analysis. Cancers, 2023, 15, 424.	3.7	2

#	ARTICLE	IF	CITATIONS
834	Sonoelastographic characterization of parotid and submandibular lesions our initial experience: A prospective observational study. Journal of Datta Meghe Institute of Medical Sciences University, 2022, 17, 632.	0.1	0
835	Regulators, functions, and mechanotransduction pathways of matrix stiffness in hepatic disease. Frontiers in Physiology, 0, 14, .	2.8	2
836	Application of transperineal ultrasound combined with shear wave elastography in pelvic floor function assessment after hysterectomy. Medicine (United States), 2023, 102, e32611.	1.0	2
837	Ultrasound Elastography: Basic Principles and Examples of Clinical Applications with Artificial Intelligence”A Review. BioMedInformatics, 2023, 3, 17-43.	2.0	2
839	The association between blood manganese and liver stiffness in participants with chronic obstructive pulmonary disease: a cross-sectional study from NHANES 2017”2018. European Journal of Medical Research, 2023, 28, .	2.2	0
840	Septal Scar Detection in Patients With”Bundle Branch Block Using”Echocardiographic Shear Wave”Elastography. JACC: Cardiovascular Imaging, 2023, 16, 713-715.	5.3	3
841	A comparison of transient elastography with acoustic radiation force impulse elastography for the assessment of liver health in patients with chronic hepatitis C: Baseline results from the TRACER study. Ultrasound, 0, , 1742271X2211391.	0.7	0
842	Assessing reliability and validity of different stiffness measurement tools on a multi-layered phantom tissue model. Scientific Reports, 2023, 13, .	3.3	12
843	Application of the shear wave elastography in the assessment of carotid body tumors: A preliminary study. Frontiers in Oncology, 0, 12, .	2.8	0
844	Dispersive coherent Brillouin scattering spectroscopy. Photoacoustics, 2023, 29, 100447.	7.8	1
845	Updates on Quantitative MRI of Diffuse Liver Disease: A Narrative Review. BioMed Research International, 2022, 2022, 1-15.	1.9	2
846	Dual-branch body and boundary supervision network for ultrasound image segmentation. , 2022, , .		0
847	Ultrasound Elastography to Differentiate the Thrombus and Plaque in Peripheral Arterial Diseases. Vascular Specialist International, 0, 38, .	0.6	2
848	Advancement in the Cuffless and Noninvasive Measurement of Blood Pressure: A Review of the Literature and Open Challenges. Bioengineering, 2023, 10, 27.	3.5	9
849	Study on the Crush Injury Model of the Sciatic Nerve in Rabbits by Conventional Ultrasound and Elastography. Current Medical Imaging, 2022, 19, .	0.8	1
850	Newly developed gas-assisted sonodynamic therapy in cancer treatment. Acta Pharmaceutica Sinica B, 2023, 13, 2926-2954.	12.0	6
851	Biomechanics of Skeletal Muscle and Tendon. , 2020, , 37-73.		0
852	Endocrine Tumor Classification via Machine-Learning-Based Elastography: A Systematic Scoping Review. Cancers, 2023, 15, 837.	3.7	4

#	ARTICLE	IF	CITATIONS
853	A Novel Point-of-care Ultrasound Curriculum for Air Critical Care Personnel. Western Journal of Emergency Medicine, 2023, 24, 30-37.	1.1	0
854	Modern placental imaging methods. , 2023, , 305-327.		0
855	Foot digital twin and inÂsilo clinical applications. , 2023, , 331-359.		1
856	Diagnostic accuracy of magnetic resonance elastography and point-shear wave elastography for significant hepatic fibrosis screening: Systematic review and meta-analysis. PLoS ONE, 2023, 18, e0271572.	2.5	5
857	Platinum Drugâ€ Incorporating Polymeric Nanosystems for Precise Cancer Therapy. Small, 2023, 19, .	10.0	3
858	A Scholte wave approach for ultrasonic surface acoustic wave elastography. Medical Physics, 2023, 50, 4138-4150.	3.0	1
859	Ultrasound Elastography in the Evaluations of Tendon-Related Disordersâ€ A Systematic Review. Applied Sciences (Switzerland), 2023, 13, 4920.	2.5	0
860	Shear Wave Elastography for Assessment of Biopsy-Proven Renal Fibrosis: A Systematic Review and Meta-analysis. Ultrasound in Medicine and Biology, 2023, 49, 1037-1048.	1.5	1
861	Point-to-point optical coherence elastography using a novel phase velocity method. Optics and Lasers in Engineering, 2023, 163, 107489.	3.8	3
862	Transversely-isotropic brain in vivo MR elastography with anisotropic damping. Journal of the Mechanical Behavior of Biomedical Materials, 2023, 141, 105744.	3.1	2
863	Measuring Shear Wave Velocity in Adult Skeletal Muscle with Ultrasound 2-D Shear Wave Elastography: A Scoping Review. Ultrasound in Medicine and Biology, 2023, 49, 1353-1362.	1.5	4
864	Stereoscopic optical palpation for tumour margin assessment in breast-conserving surgery. Optics and Lasers in Engineering, 2023, 166, 107582.	3.8	0
865	Recent Advances in Ultrasound and Photoacoustic Analysis for Thyroid Cancer Diagnosis. , 2023, 2, .		5
866	Liver and spleen stiffness for the diagnosis of oesophageal varices in adults with chronic liver disease. The Cochrane Library, 2023, 2023, .	2.8	0
868	Bubble nucleation and dynamics in acoustic droplet vaporization: a review of concepts, applications, and new directions. Zeitschrift Fur Medizinische Physik, 2023, 33, 387-406.	1.5	9
869	Elastography in ultrasound assessment of the uterus. , 2023, 1, 100014.		1
870	Virtual elastography ultrasound via generative adversarial network for breast cancer diagnosis. Nature Communications, 2023, 14, .	12.8	12
871	Preliminary Investigation of Normal Pancreas Elasticity Using Point Shear Wave Elastography. Current Medical Imaging, 2023, 19, .	0.8	0

#	ARTICLE	IF	CITATIONS
872	Fundamentals of Bowel Cancer for Biomedical Engineers. Annals of Biomedical Engineering, 2023, 51, 679-701.	2.5	3
873	Endoscopic Ultrasound Advanced Techniques for Diagnosis of Gastrointestinal Stromal Tumours. Cancers, 2023, 15, 1285.	3.7	3
874	The Role of Molecular Imaging in Personalized Medicine. Journal of Personalized Medicine, 2023, 13, 369.	2.5	4
875	Physiotherapy Combined With Voice Exercises in a Patient With Unilateral Vocal Cord Palsy Following a Total Thyroidectomy Surgery: A Case Report. Cureus, 2023, , .	0.5	0
876	Ultrasound shear wave elastography for the evaluation of renal pathological changes in adult patients. British Journal of Radiology, 2023, 96, .	2.2	5
877	The utility of two-dimensional shear wave elastography for predicting prostate cancer: a preliminary study. Ultrasonography, 2023, 42, 400-409.	2.3	1
878	A wavelet neural operator based elastography for localization and quantification of tumors. Computer Methods and Programs in Biomedicine, 2023, 232, 107436.	4.7	2
879	Review on Wearable System for Positioning Ultrasound Scanner. Machines, 2023, 11, 325.	2.2	5
880	Monitoring the hepatobiliary function using image techniques and labeled cholephilic compounds. , 0, 18-33.		0
881	Quantitative Ultrasound Techniques Used for Peripheral Nerve Assessment. Diagnostics, 2023, 13, 956.	2.6	4
882	Evaluation of Residual Corneal Stromal Bed Elasticity by Optical Coherence Elastography Based on Acoustic Radiation Force. Photonics, 2023, 10, 266.	2.0	1
883	Quantitative assessment of biceps brachii muscle stiffness by using Young's modulus "Angle curve during passive stretching in stroke patients. Frontiers in Physiology, 0, 14, .	2.8	0
884	Value of the strain ratio in the differential diagnosis of intraocular tumors by elastosonography: A retrospective case-control study. Indian Journal of Ophthalmology, 2023, 71, 983.	1.1	0
885	Correlation-based full-waveform shear wave elastography. Physics in Medicine and Biology, 0, , .	3.0	0
886	Advanced EUS: Future Applications. , 2023, , 673-686.		0
887	A multifocal acoustic lens-transducer system for reverberant optical coherence elastography. , 2023, , .		1
888	Advanced Neuromonitoring Modalities on the Horizon: Detection and Management of Acute Brain Injury in Children. Neurocritical Care, 0, , .	2.4	1
889	Nanomedicine for T "Cell Mediated Immunotherapy. Advanced Materials, 0, , .	21.0	6

#	ARTICLE	IF	CITATIONS
890	Effects of fatigue on hamstrings and gluteus maximus shear modulus in hip extension and knee flexion submaximal contraction task. Sports Biomechanics, 0, , 1-14.	1.6	5
891	Biomechanical mapping with ultrasound and magnetic resonance imaging. , 2023, , 65-118.		0
892	Tracked tissue sensing for tumor bed inspection. , 2023, , .		0
893	Effectiveness of 2-dimensional shear wave elastography for noninvasive and reliable estimation of right atrial pressure in dogs with induced volume overload. Journal of Veterinary Internal Medicine, 0, , .	1.6	2
894	A deep learning framework to estimate elastic modulus from ultrasound measured displacement fields. , 2023, , .		0
895	Ultrasound in the First Trimester: How to Keep It Safe. , 2023, , 1-19.		0
896	Guided elastic waves in a highly-stretched soft plate. Extreme Mechanics Letters, 2023, 61, 102018.	4.1	5
897	How to Identify Advanced Fibrosis in Adult Patients with Non-Alcoholic Fatty Liver Disease (NAFLD) and Non-Alcoholic Steatohepatitis (NASH) Using Ultrasound Elastographyâ€”A Review of the Literature and Proposed Multistep Approach. Diagnostics, 2023, 13, 788.	2.6	7
898	Hydrodynamic considerations for spring-driven autoinjector design. International Journal of Pharmaceutics, 2023, 640, 122975.	5.2	1
899	Comparative analysis of ultrasonic elastosonography and contrast-enhanced ultrasonography in the diagnosis of benign and malignant intraocular tumors. Graefe's Archive for Clinical and Experimental Ophthalmology, 0, , .	1.9	0
900	The Ultrasound Window Into Vascular Ageing: A Technology Review by the <scp>VascAgeNet COST</scp> Action. Journal of Ultrasound in Medicine, 2023, 42, 2183-2213.	1.7	3
901	Skeletal Muscle Assessment Using Quantitative Ultrasound: A Narrative Review. Sensors, 2023, 23, 4763.	3.8	6
902	Prediction of clinical response to neoadjuvant therapy in advanced breast cancer by baseline B-mode ultrasound, shear-wave elastography, and pathological information. Frontiers in Oncology, 0, 13, .	2.8	2
903	Compression OCT-elastography combined with speckle-contrast analysis as an approach to the morphological assessment of breast cancer tissue. Biomedical Optics Express, 2023, 14, 3037.	2.9	4
904	Uncovering stress fields and defects distributions in graphene using deep neural networks. International Journal of Fracture, 2023, 242, 107-127.	2.2	3
905	The role of shear viscosity as a biomarker for improving chronic kidney disease detection using shear wave elastography: A computational study using a validated finite element model. Ultrasonics, 2023, 133, 107046.	3.9	2
906	Measurement of renal congestion and compliance following intravenous fluid administration using shear wave elastography. Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine, 2023, 25, 27-32.	0.1	0
907	Quantification of linear and nonlinear elasticity by compression optical coherence elastography for determining lymph node status in breast cancer. Laser Physics Letters, 2023, 20, 065601.	1.4	3

#	ARTICLE	IF	CITATIONS
908	MatNLI: An open-source MATLAB-based solver for the non-linear inversion in elastography. Advances in Engineering Software, 2023, 181, 103476.	3.8	1
909	Ultrasonic Elastographyâ€“guided Pleural Biopsy for the Diagnosis ofÂPleural Effusion: A Multicenter Prospective Study of Diagnostic Test Performance. Annals of the American Thoracic Society, 2023, 20, 1242-1249.	3.2	3
910	Ultrasound elastography in chronic kidney disease: a systematic review and meta-analysis. Journal of Medical Ultrasonics (2001), 2023, 50, 381-415.	1.3	2
911	Liver and kidney ultrasound elastography in children and young adults with hypertension or chronic kidney disease. Pediatric Nephrology, 2023, 38, 3379-3387.	1.7	2
912	The impact of amplitude modulation frequency in harmonic motion imaging on inclusion characterization. Ultrasound in Medicine and Biology, 2023, 49, 1768-1779.	1.5	2
913	Artificial intelligence - based ultrasound elastography for disease evaluation -ÂA narrative review. Frontiers in Oncology, 0, 13, .	2.8	1
914	A single-center, retrospective, cross-sectional study comparing the number of non-diagnostic measurements ratio in the pSWE and SSI ultrasound elastography methods. Medicine (United States), 2023, 102, e33964.	1.0	0
915	Mechanical properties of breast tissue. , 2023, , 169-207.		0
916	Ultrasound elastography: in vivo assessment of tissue stiffness. , 2023, , 357-376.		0
917	Adenomyosis: Transvaginal Ultrasound and Imaging Innovations for Diagnosis. Current Obstetrics and Gynecology Reports, 2023, 12, 178-185.	0.8	1
918	In situ sensing physiological properties of biological tissues using wireless miniature soft robots. Science Advances, 2023, 9, .	10.3	16
920	Elastography: Technical Aspects. , 2023, , 1-27.		0
921	Tendons and Ligaments. , 2023, , 65-77.		0
922	Elastography of the thyroid nodule, cut-off points between benign and malignant lesions for strain, 2D shear wave real time and point shear wave: a correlation with pathology, ACR TIRADS and Alpha Score. Frontiers in Endocrinology, 0, 14, .	3.5	1
923	Monitoring the macrophage response towards biomaterial implants using label-free imaging. Materials Today Bio, 2023, 21, 100696.	5.5	0
924	Soft Parts: Malignant Pathology. , 2023, , 41-64.		0
925	Artificial Intelligence in Andrology: From Semen Analysis to Image Diagnostics. World Journal of Men's Health, 2024, 42, 39.	3.3	2
926	Enhanced full-inversion-based ultrasound elastography for evaluating tumor response to neoadjuvant chemotherapy in patients with locally advanced breast cancer. Physica Medica, 2023, 112, 102619.	0.7	0

#	ARTICLE	IF	CITATIONS
927	Intraoperative demonstration of reduced distal spinal cord stiffness following untethering of the spinal cord using ultrasound shear wave elastography (SWE). World Neurosurgery: X, 2023, 20, 100225.	1.1	0
928	Multi-Frequency 3D Shear Wave Absolute Vibro-Elastography (S-WAVE) System for the Prostate. IEEE Transactions on Medical Imaging, 2023, , 1-1.	8.9	1
929	Could Effective Mechanical Properties of Soft Tissues and Biomaterials at Mesoscale be Obtained by Modal Analysis?. Experimental Mechanics, 2023, 63, 1055-1065.	2.0	1
930	Role of Ultrasonography in Detection of Male Infertility. Pakistan Biomedical Journal, 0, , .	0.1	0
931	How to Evaluate Fibrosis in IBD?. Diagnostics, 2023, 13, 2188.	2.6	0
932	Evaluation of Tumor Fibrosis in Pancreatic Ductal Adenocarcinoma by 2-D Shear Wave Elastography: A Pilot Study. Ultrasound in Medicine and Biology, 2023, , .	1.5	0
933	Novel acoustic radiation force optical coherence elastography based on ultrasmall ultrasound transducer for biomechanics evaluation of in vivo cornea. Journal of Biophotonics, 2023, 16, .	2.3	2
934	Stretchable ultrasonic arrays for the three-dimensional mapping of the modulus of deep tissue. Nature Biomedical Engineering, 2023, 7, 1321-1334.	22.5	10
935	Optical micro-elastography with magnetic excitation for high frequency rheological characterization of soft media. Ultrasonics, 2023, 132, 107021.	3.9	0
936	Review of shear wave elastography in placental function evaluations. Journal of Maternal-Fetal and Neonatal Medicine, 2023, 36, .	1.5	1
937	A fully integrated wearable ultrasound system to monitor deep tissues in moving subjects. Nature Biotechnology, 0, , .	17.5	18
939	Can Vitamin D Levels Alter the Effectiveness of Short-Term Facelift Interventions?. Healthcare (Switzerland), 2023, 11, 1490.	2.0	3
940	The diagnostic value of shear-wave elastography in the salivary glands of patients with primary Sjögren syndrome. International Journal of Rheumatic Diseases, 2023, 26, 1314-1320.	1.9	0
941	Novel ultrasound techniques in the identification of vulnerable plaques—an updated review of the literature. Frontiers in Cardiovascular Medicine, 0, 10, .	2.4	2
943	Controlled release of adeno-associated virus from alginate hydrogel microbeads with enhanced sensitivity to ultrasound. Biotechnology and Bioengineering, 2023, 120, 2371-2377.	3.3	0
944	Water flow elastography “A promising tool to measure tissue stiffness during minimally invasive surgery. Journal of the Mechanical Behavior of Biomedical Materials, 2023, 145, 106004.	3.1	1
945	Ultrasound Elastography for the Differentiation of Benign and Malignant Solid Renal Masses: A Systematic Review and Meta-Analysis. Applied Sciences (Switzerland), 2023, 13, 7767.	2.5	0
946	Predicting the expansion of the lower pole of the breast following smooth breast implant augmentation: A novel shear wave elastography study. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2023, 84, 574-581.	1.0	1

#	ARTICLE	IF	CITATIONS
947	Evaluation of endometrial thickness in breast cancer patients with tamoxifen treatment – Difference between 2-dimensional ultrasonography and elastosonography. Taiwanese Journal of Obstetrics and Gynecology, 2023, 62, 547-552.	1.3	1
948	The Role of Transabdominal Ultrasound Elastography in Gastrointestinal Non-Liver Diseases: Current Application and Future Prospectives. Diagnostics, 2023, 13, 2266.	2.6	1
949	Value of XGBoost machine learning model for diagnosis of hepatitis B cirrhosis. World Chinese Journal of Digestology, 2023, 31, 544-554.	0.1	0
950	The predictive models based on multimodality ultrasonography for the differential diagnosis of thyroid nodules smaller than 10 mm. British Journal of Radiology, 2023, 96, .	2.2	0
951	Local elasticity evaluation of acid-denatured collagen by photoacoustic spectroscopy. Analytical Sciences, 0, , .	1.6	0
952	Applying Shear Wave and Magnetic Resonance Elastography to Grade Brain Tumors: Systematic Review and Meta-Analysis. World Neurosurgery, 2023, , .	1.3	0
953	2D Shear wave elastography for evaluation of renal cortex and medulla: stiffness values in healthy children. Abdominal Radiology, 0, , .	2.1	1
954	A Comparative Analysis of Strain and 2D Shear Wave Elastography in the Diagnosis of Autoimmune Thyroiditis in Pediatric Patients. Biomedicines, 2023, 11, 1970.	3.2	1
955	A New Method to Determine the Shear Wave Speed and Attenuation Coefficient in Phantoms for Ultrasound Shear Wave Elastography. , 2023, , .		0
956	Shear wave elastography parameters adds prognostic value to adverse outcome in kidney transplantation recipients. Renal Failure, 2023, 45, .	2.1	1
957	Robotic ultrasound imaging: State-of-the-art and future perspectives. Medical Image Analysis, 2023, 89, 102878.	11.6	12
958	Preliminary Prospective Preoperative and Postoperative Evaluation of Median Nerve Stiffness by Using Sonoelastography. Annals of Plastic Surgery, 2023, 91, 265-269.	0.9	0
959	Cavernous nerve mapping methods for radical prostatectomy. Sexual Medicine Reviews, 0, , .	0.0	0
960	Ultrasound Elastography in Children. Children, 2023, 10, 1296.	1.5	0
961	Canine prostatic serum esterase and strain and 2D-shear wave sonoelastography for evaluation of normal prostate in dogs: Preliminary results. Reproduction in Domestic Animals, 0, , .	1.4	1
962	Body Composition and Demographic Features Do Not Affect the Diagnostic Accuracy of Shear Wave Elastography. Bioengineering, 2023, 10, 904.	3.5	1
963	Differentiating thyroid nodules parathyroid lesions using 2D-shear-wave elastography: a novel approach for enhanced diagnostic accuracy. Frontiers in Endocrinology, 0, 14, .	3.5	0
964	Analysis of friction in quantitative micro-elastography. Biomedical Optics Express, 2023, 14, 5127.	2.9	1

#	ARTICLE	IF	CITATIONS
965	Comparison of sound touch elastography and quantification for assessing the renal pathologic changes in patients with proteinuria. Insights Into Imaging, 2023, 14, .	3.4	0
966	Assessment of resection margins during breast-conserving surgery using multimodal optical coherence tomography. Opuholi Zenskoj Reproktivnoj Sistemy, 2023, 19, 34-46.	0.4	0
967	Investigation of the phytochemical composition, antioxidant, antibacterial, anti-osteoarthritis, and wound healing activities of selected vegetable waste. Scientific Reports, 2023, 13, .	3.3	2
968	Diagnostic accuracy of B-mode, Doppler ultrasound, strain elastography, and 2D shear wave elastography in differentiation between benign and malignant lymphadenopathy. Egyptian Journal of Radiology and Nuclear Medicine, 2023, 54, .	0.6	0
969	Real-Time Shear Wave Elastography for Determining the Ideal Site of Liver Biopsy in Diffuse Liver Disease. Indian Journal of Radiology and Imaging, 0, , .	0.8	0
970	Ultra-wideband optical coherence elastography from acoustic to ultrasonic frequencies. Nature Communications, 2023, 14, .	12.8	2
971	Application of Medical Image Navigation Technology in Minimally Invasive Puncture Robot. Sensors, 2023, 23, 7196.	3.8	0
972	Ultrasonography and Sonoelastography Characteristics of Benign vs. Malignant Mesenteric Lymph Nodes in Cats: An Update. Animals, 2023, 13, 2664.	2.3	1
973	Evaluating the Improvement in Shear Wave Speed Estimation Affected by Reflections in Tissue. Lecture Notes in Networks and Systems, 2023, , 441-451.	0.7	1
974	Shear wave elastography combined with two-dimensional ultrasonography for detecting optic nerve sheath: An effective tool for assessing preeclampsia. Journal of Clinical Ultrasound, 2023, 51, 1412-1418.	0.8	0
975	Feasibility of Phase Velocity Imaging Using Multi Frequency Oscillation-Shear Wave Elastography. IEEE Transactions on Biomedical Engineering, 2023, , 1-14.	4.2	0
976	Poroelastic behavior and water permeability of human skin at the nanoscale. , 2023, 2, .		0
977	Shear-Wave Elastography-Based Radiomics Nomogram for the Prediction of Cardiovascular Disease in Patients with Diabetic Kidney Disease. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 16, 2705-2716.	2.4	0
978	Noninvasive and invasive imaging of lower-extremity acute and chronic venous thrombotic disease. Vascular Medicine, 0, , .	1.5	0
979	The Value of Ultrasonic Elastography in Detecting Placental Stiffness for the Diagnosis of Preeclampsia: A Meta-Analysis. Diagnostics, 2023, 13, 2894.	2.6	0
980	Association of dietary inflammatory potential and non-alcoholic fatty liver disease in US adults. European Journal of Gastroenterology and Hepatology, 2023, 35, 1197-1203.	1.6	1
981	A Novel Ultrasound Elastography Configuration for Simultaneous Measurement of Contact Forces. Sensing and Imaging, 2023, 24, .	1.5	0
982	Clinical value of grayscale ultrasound combined with real-time shear wave elastography nomogram in risk prediction of thyroid cancer. BMC Medical Imaging, 2023, 23, .	2.7	0

#	ARTICLE	IF	CITATIONS
983	Optical coherence elastography and its applications for the biomechanical characterization of tissues. Journal of Biophotonics, 2023, 16, .	2.3	0
984	Application and prospects of AI-based radiomics in ultrasound diagnosis. Visual Computing for Industry, Biomedicine, and Art, 2023, 6, .	3.7	2
985	Effectiveness of Dry Needling and Ischaemic Trigger Point Compression of the Levator Scapulae in Patients with Chronic Neck Pain: A Short-Term Randomized Clinical Trial. Journal of Clinical Medicine, 2023, 12, 6136.	2.4	0
986	B-mode ultrasonography and ARFI elastography of articular and peri-articular structures of the hip joint in non-dysplastic and dysplastic dogs as confirmed by radiographic examination. BMC Veterinary Research, 2023, 19, .	1.9	0
987	The diagnostic performance of salivary gland ultrasound elastography in Sjögren's syndrome and sicca symptoms: a systematic review and meta-analysis. European Radiology, 2024, 34, 1545-1555.	4.5	0
988	Depth effect on point shear wave velocity elastography: Evidence in a chronic hepatitis C patient cohort. Ultrasound, 0, , .	0.7	0
989	Evaluation of Non-Compressive Transvaginal Cervical Elastography as a Quantitative Imaging Biomarker in Pregnancy. Journal of Ultrasound in Medicine, 2024, 43, 33-43.	1.7	0
990	Assessment of lacrimal gland involvement in primary Sjögren's syndrome using gray-scale ultrasonography and shear wave elastography. European Radiology, 0, , .	4.5	0
991	Endoscopic Ultrasound Guided Shear Wave Elastography Is Safe With High Feasibility and Reproducibility When Used in the Pancreas. Pancreas, 2023, 52, e115-e120.	1.1	1
992	Enabling strain imaging in realistic Eulerian ultrasound simulation methods. Ultrasonics, 2023, 135, 107127.	3.9	0
993	Sono-Elastography: An Ultrasound Quantitative Non-Invasive Measurement to Guide Bacterial Pneumonia Diagnosis in Children. Children, 2023, 10, 1335.	1.5	0
995	Clinical Application of Ultrasound Elastic Imaging in Assessing Poststroke Complex Regional Pain Syndrome (CRPS). Current Medical Imaging, 2023, 20, .	0.8	0
996	The auxiliary diagnosis of thyroid echogenic foci based on a deep learning segmentation model: A two-center study. European Journal of Radiology, 2023, 167, 111033.	2.6	0
997	DefCor-Net: Physics-aware ultrasound deformation correction. Medical Image Analysis, 2023, 90, 102923.	11.6	1
999	Probing Intracellular Elasticity with Minimal-Hessian Registration. , 2023, , .		0
1000	Visualization of Human Hand Tendon Mechanical Anisotropy in 3D Using High-Frequency Dual-Direction Shear Wave Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2023, , 1-1.	3.0	0
1001	The Clinical Value of Transvaginal Ultrasound Evaluation of the Cervix in Predicting Preterm Birth. Advances in Clinical Medicine, 2023, 13, 14122-14130.	0.0	0
1002	Current concepts of natural course and in management of medial epicondylitis: a clinical overview. Orthopedic Reviews, 0, 15, .	1.3	0

#	ARTICLE	IF	CITATIONS
1003	Physical Principles of Elastography: A Primer for Radiologists. , 2022, 01, 027-040.		1
1004	Practical Steps of Shear Wave Elastography for Nonalcoholic Fatty Liver Disease in an Adult Population. , 2022, 01, 171-183.		0
1005	Fatty Liver Disease: Pathophysiology and Imaging Features. , 2022, 01, 057-077.		1
1008	Utility of ultrasound elastography to evaluate poststroke spasticity and therapeutic efficacy: A narrative review. Journal of Medical Ultrasound, 2023, 31, 171.	0.4	0
1009	Photoacoustic elasto-viscography and optical coherence microscopy for multi-parametric ex vivo brain imaging. Biomedical Optics Express, 2023, 14, 5615.	2.9	2
1010	The Evaluation of Testes by Shear Wave Elastography in Patients with Isolated Hypogonadotropic Hypogonadism. Journal of Contemporary Medicine, 2023, 13, 729-734.	0.2	0
1011	Physics-Inspired Regularized Pulse-Echo Quantitative Ultrasound: Efficient Optimization With ADMM. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2023, 70, 1428-1441.	3.0	1
1012	Neoadjuvant chemotherapy for breast cancer: an evaluation of its efficacy and research progress. Frontiers in Oncology, 0, 13, .	2.8	1
1013	Visualizing tactile feedback: an overview of current technologies with a focus on ultrasound elastography. Frontiers in Medical Technology, 0, 5, .	2.5	0
1014	A Finite Element Model for Analyzing the Shear Wave Propagation in Soft Biomaterials. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2023, , 1-29.	0.5	0
1015	Acute effects of static and proprioceptive neuromuscular facilitation stretching on hamstrings muscle stiffness and range of motion: a randomized cross-over study. European Journal of Applied Physiology, 2024, 124, 1005-1014.	2.5	0
1016	Application of Elastography in the Diagnosis of Idiopathic Granulomatous Mastitis (IGM): A Systematic Review. Iranian Journal of Radiology, 2023, 20, .	0.2	0
1017	Application of Real-Time Sound Touch Elastography for Evaluating Chronic Kidney Disease of Transplanted Kidneys. Transplantation Proceedings, 2023, , .	0.6	0
1018	Rapid, non-invasive, <i>in vivo</i> measurement of tissue mechanical properties using gravitational loading and a nonlinear virtual fields method. Journal of the Royal Society Interface, 2023, 20, .	3.4	0
1019	Spatial distribution of stiffness between and within muscles in paretic and healthy individuals during prone and standing positions. Journal of Biomechanics, 2023, 161, 111838.	2.1	2
1021	Feasibility and Measurement Value of Pancreatic 2-D Shear Wave Elastography in Healthy Adults: Evaluation, Influencing Factors, Reference Range, Measurement Stability and Reproducibility. Ultrasound in Medicine and Biology, 2024, 50, 184-190.	1.5	0
1022	Associations of Real-Time Ultrasound and Strain and Shear Wave Elastography with Gastrointestinal Organs: A Systematic Review. Diagnostics, 2023, 13, 3302.	2.6	0
1024	Sono-activated materials for enhancing focused ultrasound ablation: Design and application in biomedicine. Acta Biomaterialia, 2024, 173, 36-50.	8.3	0

#	ARTICLE	IF	CITATIONS
1025	Effect of neuromuscular electrical stimulation therapy using the StimaWELL 120MTRS system on erector spinae morphology in patients with chronic low back pain. , 0, 1, .		0
1026	Supershear Rayleigh wave imaging for quantitative assessment of biomechanical properties of brain using air-coupled optical coherence elastography. APL Bioengineering, 2023, 7, .	6.2	1
1027	Label-free multimodal electro-thermo-mechanical (ETM) phenotyping as a novel biomarker to differentiate between normal, benign, and cancerous breast biopsy tissues. Journal of Biological Engineering, 2023, 17, .	4.7	0
1028	Comparative Study of Ultrasound Tissue Motion Tracking Techniques for Effective Breast Ultrasound Elastography. Applied Sciences (Switzerland), 2023, 13, 11912.	2.5	0
1029	Quantifying the Impact of Cancer on the Viscoelastic Properties of the Prostate Gland using a Quasi-Linear Viscoelastic Model. Acta Biomaterialia, 2024, 173, 184-198.	8.3	0
1030	Ultrasound-Based Technologies for the Evaluation of Testicles in the Dog: Keystones and Breakthroughs. Veterinary Sciences, 2023, 10, 683.	1.7	0
1031	Recent advances in the use of ultrasound in Crohnâ€™s disease. Expert Review of Medical Devices, 2023, 20, 1119-1129.	2.8	1
1032	Rapid intraoperative multi-molecular diagnosis of glioma with ultrasound radio frequency signals and deep learning. EBioMedicine, 2023, 98, 104899.	6.1	2
1033	Optimization of the tracking beam sequence in Harmonic Motion Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2023, , 1-1.	3.0	1
1034	Predicting stress and interstitial fluid pressure in tumors based on biphasic theory. Computers in Biology and Medicine, 2023, 167, 107651.	7.0	1
1035	Optimization of the excitation beam sequences in Harmonic Motion Imaging for clinical breast tumor characterization. , 2023, , .		0
1036	In vivo liver function reserve assessments in alcoholic liver disease by scalable photoacoustic imaging. Photoacoustics, 2023, 34, 100569.	7.8	0
1037	Evaluation of the Feasibility of 2D-SWE to Measure Liver Stiffness in Healthy Dogs and Analysis of Possible Confounding Factors. Animals, 2023, 13, 3446.	2.3	0
1038	Ultrasound in the Study of Thoracic Diseases: Innovative Aspects. Archivos De Bronconeumologia, 2023, , .	0.8	0
1039	Characterization of anisotropy of elastic modulus with three-dimensional freehand scan shear wave elasticity imaging. Journal of Medical Imaging, 2023, 10, .	1.5	0
1041	Shear wave generation from non-spherical bubble collapse in a tissue phantom. Soft Matter, 2023, 19, 9405-9412.	2.7	1
1042	Possibilities of elastography in the diagnosis of stress urinary incontinence in women. Journal of Obstetrics and Women's Diseases, 2023, 72, 75-88.	0.2	0
1043	Acoustic impedance measurement method using spherical waves. Measurement: Journal of the International Measurement Confederation, 2024, 225, 113921.	5.0	0

#	ARTICLE	IF	CITATIONS
1044	Diagnostic accuracy of multiparametric ultrasound in the diagnosis of prostate cancer: systematic review and meta-analysis. Insights Into Imaging, 2023, 14, .	3.4	0
1046	Prediction of sentinel lymph node metastasis in breast cancer by using deep learning radiomics based on ultrasound images. Medicine (United States), 2023, 102, e35868.	1.0	0
1047	In-Plane Wave Propagation Analysis of Human Breast Lesions Using a Higher-Order Nonlocal Model and Deep Learning. Mathematics, 2023, 11, 4804.	2.2	0
1048	Quantification of muscle tone by using shear wave velocity during an anaesthetic induction: a prospective observational study. BMC Anesthesiology, 2023, 23, .	1.8	0
1049	Influence of transducer pressure and examiner experience on muscle active shear modulus measured by shear wave elastography. Radiography, 2024, 30, 185-192.	2.1	3
1050	Preoperative ultrasound elastography for postoperative pancreatic fistula prediction after pancreatoduodenectomy: A prospective study. Surgery, 2023, , .	1.9	0
1051	Analysis of the Efficacy of Elastography in Comparison with Dynamic Renal Nuclear Scintigraphy in the Evaluation of Unilateral Pelvic Ureteric Junction Obstruction. Journal of Pediatric Surgery, 2023, , .	1.6	0
1052	Multidimensional Ultrasound Evaluation of Diastasis Recti Abdominis During Different Gestational Periods. Journal of Ultrasound in Medicine, 2024, 43, 525-533.	1.7	0
1053	Tissue is the Issue: Current Status of Image-guided Biopsy. Clinical Oncology, 2023, , .	1.4	0
1054	Unveiling the future of breast cancer assessment: a critical review on generative adversarial networks in elastography ultrasound. Frontiers in Oncology, 0, 13, .	2.8	0
1055	A comprehensive review of haptic feedback in minimally invasive robotic liver surgery: Advancements and challenges. International Journal of Medical Robotics and Computer Assisted Surgery, 2024, 20, .	2.3	0
1056	Shear wave elastography in chronic kidney disease – the physics and clinical application. Physical and Engineering Sciences in Medicine, 0, , .	2.4	0
1057	Association between elasticity of tissue and pain pressure threshold in the tender points present in subjects with fibromyalgia: a cross-sectional study. Scientific Reports, 2023, 13, .	3.3	1
1058	The Use of Shear-Wave Ultrasound Elastography in the Diagnosis and Monitoring of Musculoskeletal Injuries. Critical Reviews in Biomedical Engineering, 2024, 52, 15-26.	0.9	0
1059	Shear wave elastography assessment of buccinator stiffness in patients of different age groups. UĽtazvukova Ľ FunkcionalnĽ Diagnostika, 2023, , 88-94.	0.0	0
1060	Ultrasonographic elastography, a new era showing the improvement of episiotomy scar treated with Er:YAG laser, a case series. Lasers in Surgery and Medicine, 2024, 56, 127-132.	2.1	1
1061	Resonance, Velocity, Dispersion, and Attenuation of Ultrasound-Induced Shear Wave Propagation in Blood Clot In Vitro Models. Journal of Ultrasound in Medicine, 2024, 43, 535-551.	1.7	1
1062	Stillbirth and the placenta. Seminars in Perinatology, 2024, 48, 151871.	2.5	0

#	ARTICLE	IF	CITATIONS
1063	High-speed ultrasound imaging of bubbly flows and shear waves in soft matter. <i>Soft Matter</i> , 0, , .	2.7	0
1064	Obesity and Body Composition in Relation to Liver and Kidney Ultrasound Elastography in Paediatric Patients with Either Hypertension or Chronic Kidney Disease. <i>Children</i> , 2024, 11, 18.	1.5	0
1065	Shear Wave Elastography for Assessment of Changes in Abdominal Soft Tissues after Lipoabdominoplasty. <i>Aesthetic Plastic Surgery</i> , 0, , .	0.9	0
1066	Dynamic Muscle Stimulation for Pain, Tenderness, and Stiffness on Upper Back Muscles: A Novel Approach and Analysis on Shear-wave Elastography. <i>Journal of Datta Meghe Institute of Medical Sciences University</i> , 2023, 18, 797-799.	0.1	0
1067	Multiscale elasticity mapping of biological samples in 3D at optical resolution. <i>Acta Biomaterialia</i> , 2024, 176, 250-266.	8.3	0
1068	Experimental study on monitoring microwave ablation efficacy by real-time shear wave elastography in <i>ex vivo</i> porcine brain. <i>International Journal of Hyperthermia</i> , 2024, 41, .	2.5	0
1069	Association of renal elasticity evaluated by real-time shear wave elastography with renal fibrosis in patients with chronic kidney disease. <i>British Journal of Radiology</i> , 2024, 97, 392-398.	2.2	0
1070	Liver fibrosis assessment in pediatric population - can ultrasound elastography be an alternative method to liver biopsy? A systematic review. <i>Advances in Medical Sciences</i> , 2024, 69, 8-20.	2.1	1
1071	Applications of ultrasound elastography to hand and upper limb disorders. <i>Hand Surgery and Rehabilitation</i> , 2024, 43, 101636.	0.4	0
1072	Kidney cortex shear wave motion simulations based on segmented biopsy histology. <i>Computer Methods and Programs in Biomedicine</i> , 2024, 245, 108035.	4.7	0
1073	Ultrasound in the Diagnosis of Non-Expandable Lung: A Prospective Observational Study of M-Mode, B-Mode, and 2D-Shear Wave Elastography. <i>Diagnostics</i> , 2024, 14, 204.	2.6	0
1074	Dynamics of Virological and Clinical Response Parameters of Bulevirtide Treatment for Hepatitis D: Real-World Data. , 2024, 3, 353-360.		0
1075	Viscoelastic Estimation of Soft Tissue in the Presence of Gaussian and Reflection Noises Impacting Shear Wave Propagation. , 2023, , .		0
1076	Breast cancer diagnosis: A systematic review. <i>Biocybernetics and Biomedical Engineering</i> , 2024, 44, 119-148.	5.9	1
1077	Photoacoustic viscoelasticity assessment of prefrontal cortex and cerebellum in normal and prenatal valproic acid-exposed rats. <i>Photoacoustics</i> , 2024, 36, 100590.	7.8	0
1078	Reliability of Ultrasound Shear Wave Elastography for Evaluating Psoas Major and Quadratus Lumborum Stiffness: Gender and Physical Activity Effects. <i>Ultrasound in Medicine and Biology</i> , 2024, 50, 564-570.	1.5	0
1079	Image-guided point-shear-wave elastography: a valid and reliable technique for liver fibrotic staging. <i>Journal of Ultrasound</i> , 0, , .	1.3	0
1080	Mechanics of Small-Scale Spherical Inclusions Using Nonlocal Poroelasticity Integrated with Light Gradient Boosting Machine. <i>Micromachines</i> , 2024, 15, 210.	2.9	0

#	ARTICLE	IF	CITATIONS
1081	TSE-GAN: strain elastography using generative adversarial network for thyroid disease diagnosis. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 12, .	4.1	0
1082	Advanced strain elastography is a reliable approach for prostate cancer detection in patients with elevated PSA levels. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
1083	Ultrasound technology assisted colloidal nanocrystal synthesis and biomedical applications. <i>Ultrasonics Sonochemistry</i> , 2024, 103, 106798.	8.2	0
1084	Evaluation of testicular stiffness in boys with unilateral cryptorchidism after orchiopexy by ultrasound strain elastography. <i>Fukushima Journal of Medical Sciences</i> , 2024, 70, 57-64.	0.4	0
1085	The role of computed tomography in the diagnosis of encapsulating peritoneal sclerosis in patients undergoing peritoneal dialysis. <i>Renal Failure</i> , 2024, 46, .	2.1	0
1086	Strain Elastography Fat-to-Lesion Index Is Associated with Mammography BI-RADS Grading, Biopsy, and Molecular Phenotype in Breast Cancer. <i>Biosensors</i> , 2024, 14, 94.	4.7	0
1087	Pointâ€shear wave elastography generated by acoustic radiation force impulse in chronic pancreatitis. <i>United European Gastroenterology Journal</i> , 0, , .	3.8	0
1088	Liver stiffness is associated with right heart dysfunction, cardiohepatic syndrome, and prognosis in pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2024, , .	0.6	0
1089	Noninvasive diagnosis of liver cirrhosis: qualitative and quantitative imaging biomarkers. <i>Abdominal Radiology</i> , 0, , .	2.1	0
1090	Combining Potential Strain Elastography and Radiomics for Diagnosing Breast Lesions in BI-RADS 4: Construction and Validation a Predictive Nomogram. <i>Academic Radiology</i> , 2024, , .	2.5	0
1091	Investigating the role of ultrasound-based shear wave elastography in kidney transplanted patients: correlation between non-invasive fibrosis detection, kidney dysfunction and biopsy resultsâ€”a systematic review and meta-analysis. <i>Journal of Nephrology</i> , 0, , .	2.0	0
1092	A wearable pneumatic-piezoelectric system for quantitative assessment of skeletomuscular biomechanics. , 2024, 2, 100288.		0
1093	Evaluation of Usability and Efficacy of Strain Elastography Method Concurrently with Preoperative Ultrasonography in Cases of Hydatid Cyst. <i>Journal of Medical Ultrasound</i> , 0, , .	0.4	0
1094	Ultrasonic shear wave elastography predicts the quality of the residual tendon before the rotator cuff repair. <i>Insights Into Imaging</i> , 2024, 15, .	3.4	0
1095	Double true umbilical cord knots coexisting with a nuchal cord with successful fetal outcome: A case report. <i>SAGE Open Medical Case Reports</i> , 2024, 12, .	0.3	0
1096	A Review of Recent Advancements in Sensorâ€Integrated Medical Tools. <i>Advanced Science</i> , 0, , .	11.2	0
1097	Shining Light in Mechanobiology: Optical Tweezers, Scissors, and Beyond. <i>ACS Photonics</i> , 2024, 11, 917-940.	6.6	0
1098	Ultrasound and Elastasonographic Features of the Patellar Ligament in Dogs Affected by Cranial Cruciate Ligament Disease. <i>Veterinary Sciences</i> , 2024, 11, 126.	1.7	0

#	ARTICLE	IF	CITATIONS
1099	Two dimensional shear wave elastography”Basic principles and current applications. Sonography, 0, , .	0.5	0
1100	Ultrasound Elastography as a Diagnostic Tool for Peyronie”s Disease: A State-of-the-Art Review. Diagnostics, 2024, 14, 665.	2.6	0
1101	Evaluation of endometrial receptivity in women with unexplained infertility by shear wave elastography. Insights Into Imaging, 2024, 15, .	3.4	0
1102	Multimodal ultrasound imaging: a method to improve the accuracy of sentinel lymph node diagnosis in breast cancer. Frontiers in Oncology, 0, 14, .	2.8	0
1103	Combined gray scale ultrasonography and doppler diagnostic tools with strain elastography in assessment of inflammatory bowel disease in pediatrics patients. Journal of Ultrasound, 0, , .	1.3	0