

Armando Manduca

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

12,635
citations

38660

50
h-index

24915

109
g-index

176
all docs

176
docs citations

176
times ranked

8041
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic resonance elastography by direct visualization of propagating acoustic strain waves. <i>Science</i> , 1995, 269, 1854-1857.	6.0	1,879
2	Magnetic resonance elastography: Non-invasive mapping of tissue elasticity. <i>Medical Image Analysis</i> , 2001, 5, 237-254.	7.0	962
3	Assessment of Hepatic Fibrosis With Magnetic Resonance Elastography. <i>Clinical Gastroenterology and Hepatology</i> , 2007, 5, 1207-1213.e2.	2.4	863
4	Highly Undersampled Magnetic Resonance Image Reconstruction via Homotopic ℓ_0 -Minimization. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 106-121.	5.4	398
5	Magnetic resonance elastography of the brain. <i>NeuroImage</i> , 2008, 39, 231-237.	2.1	375
6	Complex-valued stiffness reconstruction for magnetic resonance elastography by algebraic inversion of the differential equation. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 299-310.	1.9	313
7	Tissue characterization using magnetic resonance elastography: preliminary results*. <i>Physics in Medicine and Biology</i> , 2000, 45, 1579-1590.	1.6	301
8	Spatio-temporal directional filtering for improved inversion of MR elastography images. <i>Medical Image Analysis</i> , 2003, 7, 465-473.	7.0	288
9	Decreased brain stiffness in Alzheimer's disease determined by magnetic resonance elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 494-498.	1.9	277
10	Magnetic resonance elastography of skeletal muscle. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 269-276.	1.9	271
11	Projection space denoising with bilateral filtering and CT noise modeling for dose reduction in CT. <i>Medical Physics</i> , 2009, 36, 4911-4919.	1.6	240
12	Hepatic MR Elastography: Clinical Performance in a Series of 1377 Consecutive Examinations. <i>Radiology</i> , 2016, 278, 114-124.	3.6	228
13	Adaptive nonlocal means filtering based on local noise level for CT denoising. <i>Medical Physics</i> , 2013, 41, 011908.	1.6	201
14	Review of MR elastography applications and recent developments. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 757-774.	1.9	200
15	Feasibility of In Vivo MR Elastographic Splenic Stiffness Measurements in the Assessment of Portal Hypertension. <i>American Journal of Roentgenology</i> , 2009, 193, 122-127.	1.0	185
16	Measuring the effects of aging and sex on regional brain stiffness with MR elastography in healthy older adults. <i>NeuroImage</i> , 2015, 111, 59-64.	2.1	183
17	Comb-Push Ultrasound Shear Elastography (CUSE): A Novel Method for Two-Dimensional Shear Elasticity Imaging of Soft Tissues. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1821-1832.	5.4	182
18	Improved Super-Resolution Ultrasound Microvessel Imaging With Spatiotemporal Nonlocal Means Filtering and Bipartite Graph-Based Microbubble Tracking. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 149-167.	1.7	181

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19	Ultrasound Small Vessel Imaging With Block-Wise Adaptive Local Clutter Filtering. IEEE Transactions on Medical Imaging, 2017, 36, 251-262.	5.4	176
20	Mechanical transient-based magnetic resonance elastography. Magnetic Resonance in Medicine, 2005, 53, 628-639.	1.9	153
21	Regional brain stiffness changes across the Alzheimer's disease spectrum. NeuroImage: Clinical, 2016, 10, 283-290.	1.4	152
22	Preoperative assessment of meningioma stiffness using magnetic resonance elastography. Journal of Neurosurgery, 2013, 118, 643-648.	0.9	137
23	Applications of magnetic resonance elastography to healthy and pathologic skeletal muscle. Journal of Magnetic Resonance Imaging, 2007, 25, 301-309.	1.9	136
24	Measuring the Characteristic Topography of Brain Stiffness with Magnetic Resonance Elastography. PLoS ONE, 2013, 8, e81668.	1.1	125
25	Methods for Clinical Evaluation of Noise Reduction Techniques in Abdominopelvic CT. Radiographics, 2014, 34, 849-862.	1.4	123
26	Texture Features from Mammographic Images and Risk of Breast Cancer. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 837-845.	1.1	121
27	Distinguishing between Hepatic Inflammation and Fibrosis with MR Elastography. Radiology, 2017, 284, 694-705.	3.6	117
28	Image metric-based correction (Autocorrection) of motion effects: Analysis of image metrics. Journal of Magnetic Resonance Imaging, 2000, 11, 174-181.	1.9	112
29	Quantitative assessment of hepatic fibrosis in an animal model with magnetic resonance elastography. Magnetic Resonance in Medicine, 2007, 58, 346-353.	1.9	112
30	Dynamic Postprandial Hepatic Stiffness Augmentation Assessed With MR Elastography in Patients With Chronic Liver Disease. American Journal of Roentgenology, 2011, 197, 64-70.	1.0	110
31	Fast Shear Compounding Using Robust 2-D Shear Wave Speed Calculation and Multi-directional Filtering. Ultrasound in Medicine and Biology, 2014, 40, 1343-1355.	0.7	109
32	MR elastography: Principles, guidelines, and terminology. Magnetic Resonance in Medicine, 2021, 85, 2377-2390.	1.9	100
33	Imaging elastic properties of biological tissues by low-frequency harmonic vibration. Proceedings of the IEEE, 2003, 91, 1503-1519.	16.4	97
34	Two-dimensional shear-wave elastography on conventional ultrasound scanners with time-aligned sequential tracking (TAST) and comb-push ultrasound shear elastography (CUSE). IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 290-302.	1.7	81
35	MR Elastography Demonstrates Increased Brain Stiffness in Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2016, 37, 462-467.	1.2	77
36	Improvement in specificity of ultrasonography for diagnosis of breast tumors by means of artificial intelligence. Medical Physics, 1992, 19, 1475-1481.	1.6	74

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37	MR elastography as a method for the assessment of myocardial stiffness: Comparison with an established pressure-volume model in a left ventricular model of the heart. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 135-140.	1.9	72
38	Comb-Push Ultrasound Shear Elastography (CUSE) With Various Ultrasound Push Beams. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1435-1447.	5.4	72
39	MR Elastography Analysis of Glioma Stiffness and IDH1-Mutation Status. <i>American Journal of Neuroradiology</i> , 2018, 39, 31-36.	1.2	70
40	Kalman Filter-Based Microbubble Tracking for Robust Super-Resolution Ultrasound Microvessel Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1738-1751.	1.7	70
41	Short Acquisition Time Super-Resolution Ultrasound Microvessel Imaging via Microbubble Separation. <i>Scientific Reports</i> , 2020, 10, 6007.	1.6	67
42	Magnetic resonance elastography of the lung: Technical feasibility. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1060-1066.	1.9	66
43	Cardiac MR elastography for quantitative assessment of elevated myocardial stiffness in cardiac amyloidosis. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1361-1367.	1.9	63
44	A prospective approach to correct for inter-image head rotation in FMRI. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 234-243.	1.9	58
45	Quantitative shear wave magnetic resonance elastography: Comparison to a dynamic shear material test. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1197-1201.	1.9	57
46	Autocorrection in MR Imaging: Adaptive Motion Correction without Navigator Echoes. <i>Radiology</i> , 2000, 215, 904-909.	3.6	56
47	Magnetic resonance elastography of frontotemporal dementia. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 474-478.	1.9	56
48	MR elastography of human lung parenchyma: Technical development, theoretical modeling and in vivo validation. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 1351-1361.	1.9	55
49	An analytical look at the effects of compression on medical images. <i>Journal of Digital Imaging</i> , 1997, 10, 60-66.	1.6	53
50	Stiffness and Beyond. <i>Topics in Magnetic Resonance Imaging</i> , 2018, 27, 305-318.	0.7	53
51	Automated liver stiffness measurements with magnetic resonance elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 371-379.	1.9	52
52	External Vibration Multi-Directional Ultrasound Shearwave Elastography (EVMUSE): Application in Liver Fibrosis Staging. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2140-2148.	5.4	51
53	Observer Performance in the Detection and Classification of Malignant Hepatic Nodules and Masses with CT Image-Space Denoising and Iterative Reconstruction. <i>Radiology</i> , 2015, 276, 465-478.	3.6	51
54	Automated liver elasticity calculation for MR elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1055-1063.	1.9	51

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55	Hepatic and splenic stiffness augmentation assessed with MR elastography in an in vivo porcine portal hypertension model. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 809-815.	1.9	49
56	Characterization of the dynamic shear properties of hyaline cartilage using high-frequency dynamic MR elastography. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 356-364.	1.9	48
57	Slip Interface Imaging Predicts Tumor-Brain Adhesion in Vestibular Schwannomas. <i>Radiology</i> , 2015, 277, 507-517.	3.6	45
58	Quantitative Assessment of Left Ventricular Diastolic Stiffness Using Cardiac Shear Wave Elastography. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 1419-1427.	0.8	44
59	Quantification of Myofascial Taut Bands. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 67-73.	0.5	44
60	Slip interface imaging based on MR elastography preoperatively predicts meningioma-brain adhesion. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1007-1016.	1.9	44
61	Developments in dynamic MR elastography for in vitro biomechanical assessment of hyaline cartilage under high-frequency cyclical shear. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 310-320.	1.9	40
62	Magnetic resonance elastography as a method to estimate myocardial contractility. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 120-127.	1.9	40
63	Artificial neural networks for stiffness estimation in magnetic resonance elastography. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 351-360.	1.9	40
64	Prediction of nonalcoholic fatty liver disease (NAFLD) activity score (NAS) with multiparametric hepatic magnetic resonance imaging and elastography. <i>European Radiology</i> , 2019, 29, 5823-5831.	2.3	40
65	Calculating tissue shear modulus and pressure by 2D log-elastographic methods. <i>Inverse Problems</i> , 2010, 26, 085007.	1.0	38
66	Sparse-CAPR: Highly accelerated 4D CE-MRA with parallel imaging and nonconvex compressive sensing. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1019-1032.	1.9	38
67	Functional Ultrasound Imaging of Spinal Cord Hemodynamic Responses to Epidural Electrical Stimulation: A Feasibility Study. <i>Frontiers in Neurology</i> , 2019, 10, 279.	1.1	38
68	Noise Reduction to Decrease Radiation Dose and Improve Conspicuity of Hepatic Lesions at Contrast-Enhanced 80-kV Hepatic CT Using Projection Space Denoising. <i>American Journal of Roentgenology</i> , 2012, 198, 405-411.	1.0	37
69	An effective noise reduction method for multi-energy CT images that exploit spatio-spectral features. <i>Medical Physics</i> , 2017, 44, 1610-1623.	1.6	37
70	On the Effects of Spatial Sampling Quantization in Super-Resolution Ultrasound Microvessel Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 2264-2276.	1.7	37
71	Debiasing-Based Noise Suppression for Ultrafast Ultrasound Microvessel Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 1281-1291.	1.7	37
72	Probe Oscillation Shear Elastography (PROSE): A High Frame-Rate Method for Two-Dimensional Ultrasound Shear Wave Elastography. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2098-2106.	5.4	36

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73	Clinical Correlation of Abnormal Findings on Magnetic Resonance Elastography in Idiopathic Normal Pressure Hydrocephalus. <i>World Neurosurgery</i> , 2017, 99, 695-700.e1.	0.7	36
74	Calibrationless parallel MRI using CLEAR. , 2011, , .		35
75	Acute pressure changes in the brain are correlated with MR elastography stiffness measurements: initial feasibility in an in vivo large animal model. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1043-1051.	1.9	35
76	A finite element model for analyzing shear wave propagation observed in magnetic resonance elastography. <i>Journal of Biomechanics</i> , 2005, 38, 2198-2203.	0.9	34
77	Evaluation of irreversible compression of digitized posterior-anterior chest radiographs. <i>Journal of Digital Imaging</i> , 1997, 10, 97-102.	1.6	33
78	Feasibility of Dose Reduction Using Novel Denoising Techniques for Low kV (80 kV) CT Enterography. <i>Academic Radiology</i> , 2010, 17, 1203-1210.	1.3	32
79	Identification of Normal Pressure Hydrocephalus by Disease-Specific Patterns of Brain Stiffness and Damping Ratio. <i>Investigative Radiology</i> , 2020, 55, 200-208.	3.5	32
80	Shear Modulus Decomposition Algorithm in Magnetic Resonance Elastography. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1526-1533.	5.4	29
81	High-frequency mode conversion technique for stiff lesion detection with magnetic resonance elastography (MRE). <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1457-1465.	1.9	29
82	Performance of 2-dimensional Ultrasound Shear Wave Elastography in Liver Fibrosis Detection Using Magnetic Resonance Elastography as the Reference Standard. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 401-412.	0.8	29
83	Quantitative 3D magnetic resonance elastography: Comparison with dynamic mechanical analysis. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1184-1192.	1.9	29
84	Local wavelength estimation for magnetic resonance elastography. , 0, , .		28
85	Magnetic resonance elastography with a phased-array acoustic driver system. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 678-685.	1.9	28
86	Magnetic resonance elastography: Inversions in bounded media. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1533-1542.	1.9	28
87	Relaxed Conditions for Sparse Signal Recovery With General Concave Priors. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 4347-4354.	3.2	28
88	Self-navigated motion correction using moments of spatial projections in radial MRI. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 337-345.	1.9	27
89	Stiffness-weighted magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 59-67.	1.9	27
90	Evaluation of a rapid, multiphase MRE sequence in a heart-simulating phantom. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 691-698.	1.9	27

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91	Calculation of shear stiffness in noise dominated magnetic resonance elastography data based on principal frequency estimation. <i>Physics in Medicine and Biology</i> , 2011, 56, 4291-4309.	1.6	27
92	In vivo, high-frequency three-dimensional cardiac MR elastography: Feasibility in normal volunteers. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 351-360.	1.9	24
93	High-Performance 3D Compressive Sensing MRI Reconstruction Using Many-Core Architectures. <i>International Journal of Biomedical Imaging</i> , 2011, 2011, 1-11.	3.0	23
94	Magnetic resonance elastography of the lung parenchyma in an in situ porcine model with a noninvasive mechanical driver: Correlation of shear stiffness with trans-respiratory system pressures. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 210-217.	1.9	23
95	Estimating T_1 from multichannel variable flip angle SPGR sequences. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1787-1794.	1.9	23
96	Mammographic breast density and risk of breast cancer in women with atypical hyperplasia: an observational cohort study from the Mayo Clinic Benign Breast Disease (BBD) cohort. <i>BMC Cancer</i> , 2017, 17, 84.	1.1	23
97	Dose Reduction in Molecular Breast Imaging With a New Image-Processing Algorithm. <i>American Journal of Roentgenology</i> , 2020, 214, 185-193.	1.0	23
98	Regional assessment of in vivo myocardial stiffness using 3D magnetic resonance elastography in a porcine model of myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 361-369.	1.9	21
99	Differential effects of pre-tension on shear wave propagation in elastic media with different boundary conditions as measured by magnetic resonance elastography and finite element modeling. <i>Journal of Biomechanics</i> , 2006, 39, 1428-1434.	0.9	20
100	Pediatric Cardiac Shear Wave Elastography for Quantitative Assessment of Myocardial Stiffness: A Pilot Study in Healthy Controls. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1719-1729.	0.7	20
101	Preliminary assessment of one-dimensional MR elastography for use in monitoring focused ultrasound therapy. <i>Physics in Medicine and Biology</i> , 2007, 52, 5909-5919.	1.6	19
102	Harnessing brain waves: a review of brain magnetic resonance elastography for clinicians and scientists entering the field. <i>British Journal of Radiology</i> , 2021, 94, 20200265.	1.0	19
103	Motion correction using the k-space phase difference of orthogonal acquisitions. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 147-156.	1.9	18
104	MOTION-CORRECTION TECHNIQUES FOR STANDING EQUINE MRI. <i>Veterinary Radiology and Ultrasound</i> , 2004, 45, 513-519.	0.4	17
105	Feasibility of MR elastography of the intervertebral disc. <i>Magnetic Resonance Imaging</i> , 2017, 39, 132-137.	1.0	17
106	Analysis of time reduction methods for magnetic resonance elastography of the brain. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1514-1524.	1.0	16
107	Artificial neural networks for magnetic resonance elastography stiffness estimation in inhomogeneous materials. <i>Medical Image Analysis</i> , 2020, 63, 101710.	7.0	16
108	Autocorrection of Three-Dimensional Time-of-Flight MR Angiography of the Circle of Willis. <i>American Journal of Roentgenology</i> , 2001, 176, 513-518.	1.0	15

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109	In vivo characterization of 3D skull and brain motion during dynamic head vibration using magnetic resonance elastography. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2573-2585.	1.9	15
110	Rapid autocorrection using prescan navigator echoes. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 583-588.	1.9	13
111	Vibration imaging for localization of functional compartments of the extrinsic flexor muscles of the hand. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1395-1401.	1.9	13
112	Sparse MRI Reconstruction via Multiscale L0-Continuation. , 2007, , .		12
113	Quantitative background parenchymal uptake on molecular breast imaging and breast cancer risk: a case-control study. <i>Breast Cancer Research</i> , 2018, 20, 46.	2.2	12
114	TURBINEâ€MRE: A 3D hybrid radialâ€Cartesian EPI acquisition for MR elastography. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 945-952.	1.9	12
115	A robust noise reduction technique for time resolved CT. <i>Medical Physics</i> , 2015, 43, 347-359.	1.6	11
116	In vivo transthoracic measurement of end-diastolic left ventricular stiffness with ultrasound shear wave elastography: A pilot study. , 2014, , .		9
117	Probe Oscillation Shear Wave Elastography: Initial <i>In Vivo</i> Results in Liver. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1214-1223.	5.4	9
118	Three-dimensional shear wave elastography on conventional ultrasound scanners with external vibration. <i>Physics in Medicine and Biology</i> , 2020, 65, 215009.	1.6	9
119	Comb-push Ultrasound Shear Elastography (CUSE): A novel and fast technique for shear elasticity imaging. , 2012, , .		8
120	Cardiac MR elastography using reducedâ€FOV, singleâ€shot, spinâ€echo EPI. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 231-238.	1.9	8
121	Waveguide effects and implications for cardiac magnetic resonance elastography: A finite element study. <i>NMR in Biomedicine</i> , 2018, 31, e3996.	1.6	8
122	Deploying MMEJ using MENdel in precision gene editing applications for gene therapy and functional genomics. <i>Nucleic Acids Research</i> , 2021, 49, 67-78.	6.5	8
123	Surface generation for virtual reality displays with a limited polygonal budget. , 0, , .		7
124	Medical image compression with set partitioning in hierarchical trees. , 0, , .		7
125	Study of Shear Wave Displacement Change Measured by 1D MRE During Focused Ultrasound Treatment: Preliminary Study. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	7
126	Shear wave elastography on the GE LOGIQ E9 with Comb-push Ultrasound Shear Elastography (CUSE) and time aligned sequential tracking (TAST). , 2014, , .		7

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127	A new method for quantification and 3D visualization of brain tumor adhesion using slip interface imaging in patients with meningiomas. <i>European Radiology</i> , 2021, 31, 5554-5564.	2.3	7
128	Impact of material homogeneity assumption on cortical stiffness estimates by <scp>MR</scp> elastography. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 916-929.	1.9	7
129	Improved inversion of MR elastography images by spatio-temporal directional filtering. , 2003, , .		6
130	Automated liver elasticity calculation for 3D MRE. <i>Proceedings of SPIE</i> , 2017, 10134, .	0.8	6
131	Direct visualization of strain waves by magnetic resonance elastography (MRE). , 0, , .		5
132	High Performance Non-uniform FFT on Modern X86-based Multi-core Systems. , 2012, , .		5
133	Notice of Removal: Robust ultrasound super-resolution microvessel imaging with spatiotemporal nonlocal means filtering and bipartite graph-based microbubble tracking. , 2017, , .		5
134	Cardiac MRI demonstrates compressibility in healthy myocardium but not in myocardium with reduced ejection fraction. <i>International Journal of Cardiology</i> , 2021, 322, 278-283.	0.8	5
135	Longitudinal Changes in MR Elastography-based Biomarkers in Obese Patients Treated with Bariatric Surgery. <i>Clinical Gastroenterology and Hepatology</i> , 2023, 21, 220-222.e3.	2.4	5
136	Fast shear compounding using directional filtering and two-dimensional shear wave speed calculation. , 2013, , .		4
137	Image analysis for magnetic resonance elastography. , 0, , .		3
138	<title>Fast autofocusing of motion-corrupted MR images using one-dimensional Fourier transforms</title>. , 1998, 3338, 391.		3
139	An investigation of the effects of mammographic acquisition parameters on a semiautomated quantitative measure of breast cancer risk. <i>Journal of Digital Imaging</i> , 2000, 13, 186-188.	1.6	3
140	Variance Controlled Shear Stiffness Images for MRE Data. , 0, , .		3
141	An efficient ADMM-based sparse reconstruction strategy for multi-level sampled MRI. , 2014, , .		3
142	Quantitative assessment of portal hypertension with bi-parametric dual-frequency hepatic MR elastography in mouse models. <i>European Radiology</i> , 2021, 31, 2303-2311.	2.3	3
143	A new method for assessing anal distensibility with a barostat and magnetic resonance imaging in healthy and constipated women. <i>Neurogastroenterology and Motility</i> , 2021, 33, e13972.	1.6	3
144	Time reversal principles for wave optimization in multiple driver magnetic resonance elastography. , 2007, , .		2

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145	Review of MR elastography applications and recent developments. Journal of Magnetic Resonance Imaging, 2012, 36, spcone-spcone.	1.9	2
146	Two-dimensional shear elasticity imaging using external mechanical vibration. , 2013, , .		2
147	Stable automated segmentation of liver MR elastography images for clinical stiffness measurement. Proceedings of SPIE, 2013, 8672, .	0.8	2
148	Dual-frequency shear wave motion detection. , 2014, , .		2
149	Implementation of shear wave elastography on pediatric cardiac transducers with pulse-inversion harmonic imaging and time-aligned sequential tracking. , 2015, , .		2
150	Magnetic resonance elastography of frontotemporal dementia. Journal of Magnetic Resonance Imaging, 2016, 43, spcone.	1.9	2
151	Systolic-to-diastolic myocardial volume ratio as a novel imaging marker of cardiomyopathy. International Journal of Cardiology, 2021, 322, 272-277.	0.8	2
152	Liver Magnetic Resonance Elastography Technique. , 2014, , 19-37.		2
153	Autofocusing of clinical shoulder MR images for correction of motion artifacts. Lecture Notes in Computer Science, 1998, , 598-605.	1.0	1
154	Neural network and principal component analyses of highly variable myocardial mechanical waveforms derived from echocardiographic ultrasound images. , 0, , .		1
155	Liver elasticity imaging using external Vibration Multi-directional Ultrasound Shearwave Elastography (EVMUSE). , 2014, , .		1
156	A high frame-rate and low-cost Elastography system by generating shear waves through continuous vibration of the ultrasound transducer. , 2015, , .		1
157	Advanced image reconstruction strategies for 4D prostate DCE-MRI: steps toward clinical practicality. Proceedings of SPIE, 2015, , .	0.8	1
158	Full 3D Rigid Body Automatic Motion Correction of MRI Images. Lecture Notes in Computer Science, 2001, , 1326-1327.	1.0	1
159	Embedded zerotree wavelet compression of medical images. , 0, , .		0
160	Correction of translation-induced artifacts in wrist MRI scans using orthogonal acquisitions. , 2002, 4684, 334.		0
161	Image-space automatic motion correction for MRI images. , 2004, , .		0
162	Imaging mechanical properties of hepatic tissue by magnetic resonance elastography. , 2006, , .		0

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163	A Laplacian-based SNR measure: shear stiffness estimation in MR elastography. , 2015, , .		0
164	Notice of Removal: Singular value decomposition-based noise equalization for ultrafast plane wave microvessel imaging. , 2017, , .		0
165	A model-free approach to probe motion artifacts suppression for in vivo imaging with probe oscillation shear wave elastography (PROSE). , 2017, , .		0
166	Notice of Removal: Fast and robust spatiotemporal microvessel clutter filtering with randomized singular value decomposition (rSVD) and randomized spatial downsampling. , 2017, , .		0
167	An under-recognized phenomenon: Myocardial volume change during the cardiac cycle. Echocardiography, 2021, 38, 1235-1244.	0.3	0
168	Regional Brain Stiffness Analysis of Dementia with Lewy Bodies. Journal of Magnetic Resonance Imaging, 2022, 55, 1907-1909.	1.9	0