

# Armando Manduca

## List of Publications by Year in descending order

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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	Longitudinal Changes in MR Elastographyâ€‘based Biomarkers in Obese Patients Treated with Bariatric Surgery. <i>Clinical Gastroenterology and Hepatology</i> , 2023, 21, 220-222.e3.	2.4	5
2	Regional Brain Stiffness Analysis of Dementia with Lewy Bodies. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1907-1909.	1.9	0
3	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
4	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
5	MR elastography: Principles, guidelines, and terminology. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2377-2390.	1.9	100
6	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
7	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
8	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
9	Systolic-to-diastolic myocardial volume ratio as a novel imaging marker of cardiomyopathy. <i>International Journal of Cardiology</i> , 2021, 322, 272-277.	0.8	2
10	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
11	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
12	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
13	An underâ€‘recognized phenomenon: Myocardial volume change during the cardiac cycle. <i>Echocardiography</i> , 2021, 38, 1235-1244.	0.3	0
14	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
15	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
16	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
17	Short Acquisition Time Super-Resolution Ultrasound Microvessel Imaging via Microbubble Separation. <i>Scientific Reports</i> , 2020, 10, 6007.	1.6	67
18	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

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19	Artificial neural networks for magnetic resonance elastography stiffness estimation in inhomogeneous materials. <i>Medical Image Analysis</i> , 2020, 63, 101710.	7.0	16
20	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
21	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
22	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
23	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
24	MR Elastography Analysis of Glioma Stiffness and IDH1-Mutation Status. <i>American Journal of Neuroradiology</i> , 2018, 39, 31-36.	1.2	70
25	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
26	Cardiac MR elastography using reduced-FOV, single-shot, spin-echo EPI. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 231-238.	1.9	8
27	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
28	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
29	Artificial neural networks for stiffness estimation in magnetic resonance elastography. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 351-360.	1.9	40
30	Stiffness and Beyond. <i>Topics in Magnetic Resonance Imaging</i> , 2018, 27, 305-318.	0.7	53
31	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
32	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
33	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
34	Waveguide effects and implications for cardiac magnetic resonance elastography: A finite element study. <i>NMR in Biomedicine</i> , 2018, 31, e3996.	1.6	8
35	Feasibility of MR elastography of the intervertebral disc. <i>Magnetic Resonance Imaging</i> , 2017, 39, 132-137.	1.0	17
36	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

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37	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
38	Distinguishing between Hepatic Inflammation and Fibrosis with MR Elastography. <i>Radiology</i> , 2017, 284, 694-705.	3.6	117
39	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
40	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
41	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
42	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
43	Notice of Removal: Singular value decomposition-based noise equalization for ultrafast plane wave microvessel imaging. , 2017, , .		0
44	Quantitative 3D magnetic resonance elastography: Comparison with dynamic mechanical analysis. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1184-1192.	1.9	29
45	Ultrasound Small Vessel Imaging With Block-Wise Adaptive Local Clutter Filtering. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 251-262.	5.4	176
46	A model-free approach to probe motion artifacts suppression for in vivo imaging with probe oscillation shear wave elastography (PROSE). , 2017, , .		0
47	Notice of Removal: Fast and robust spatiotemporal microvessel clutter filtering with randomized singular value decomposition (rSVD) and randomized spatial downsampling. , 2017, , .		0
48	Notice of Removal: Robust ultrasound super-resolution microvessel imaging with spatiotemporal nonlocal means filtering and bipartite graph-based microbubble tracking. , 2017, , .		5
49	Automated liver elasticity calculation for 3D MRE. <i>Proceedings of SPIE</i> , 2017, 10134, .	0.8	6
50	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
51	Automated liver elasticity calculation for MR elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1055-1063.	1.9	51
52	Magnetic resonance elastography of frontotemporal dementia. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 474-478.	1.9	56
53	Regional brain stiffness changes across the Alzheimer's disease spectrum. <i>NeuroImage: Clinical</i> , 2016, 10, 283-290.	1.4	152
54	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

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55	Probe Oscillation Shear Elastography (PROSE): A High Frame-Rate Method for Two-Dimensional Ultrasound Shear Wave Elastography. IEEE Transactions on Medical Imaging, 2016, 35, 2098-2106.	5.4	36
56	MR Elastography Demonstrates Increased Brain Stiffness in Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2016, 37, 462-467.	1.2	77
57	Performance of 2â€­Dimensional Ultrasound Shear Wave Elastography in Liver Fibrosis Detection Using Magnetic Resonance Elastography as the Reference Standard. Journal of Ultrasound in Medicine, 2016, 35, 401-412.	0.8	29
58	Magnetic resonance elastography of frontotemporal dementia. Journal of Magnetic Resonance Imaging, 2016, 43, spcone.	1.9	2
59	Quantification of Myofascial Taut Bands. Archives of Physical Medicine and Rehabilitation, 2016, 97, 67-73.	0.5	44
60	Hepatic MR Elastography: Clinical Performance in a Series of 1377 Consecutive Examinations. Radiology, 2016, 278, 114-124.	3.6	228
61	A robust noise reduction technique for time resolved CT. Medical Physics, 2015, 43, 347-359.	1.6	11
62	Observer Performance in the Detection and Classification of Malignant Hepatic Nodules and Masses with CT Image-Space Denoising and Iterative Reconstruction. Radiology, 2015, 276, 465-478.	3.6	51
63	A high frame-rate and low-cost Elastography system by generating shear waves through continuous vibration of the ultrasound transducer. , 2015, , .		1
64	A Laplacian-based SNR measure: shear stiffness estimation in MR elastography. , 2015, , .		0
65	Implementation of shear wave elastography on pediatric cardiac transducers with pulse-inversion harmonic imaging and time-aligned sequential tracking. , 2015, , .		2
66	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
67	Measuring the effects of aging and sex on regional brain stiffness with MR elastography in healthy older adults. NeuroImage, 2015, 111, 59-64.	2.1	183
68	Slip Interface Imaging Predicts Tumor-Brain Adhesion in Vestibular Schwannomas. Radiology, 2015, 277, 507-517.	3.6	45
69	Advanced image reconstruction strategies for 4D prostate DCE-MRI: steps toward clinical practicality. Proceedings of SPIE, 2015, , .	0.8	1
70	In vivo transthoracic measurement of end-diastolic left ventricular stiffness with ultrasound shear wave elastography: A pilot study. , 2014, , .		9
71	Liver elasticity imaging using external Vibration Multi-directional Ultrasound Shearwave Elastography (EVMUSE). , 2014, , .		1
72	An efficient ADMM-based sparse reconstruction strategy for multi-level sampled MRI. , 2014, , .		3

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73	Dual-frequency shear wave motion detection. , 2014, , .		2
74	Methods for Clinical Evaluation of Noise Reduction Techniques in Abdominopelvic CT. Radiographics, 2014, 34, 849-862.	1.4	123
75	External Vibration Multi-Directional Ultrasound Shearwave Elastography (EVMUSE): Application in Liver Fibrosis Staging. IEEE Transactions on Medical Imaging, 2014, 33, 2140-2148.	5.4	51
76	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
77	Shear wave elastography on the GE LOGIQ E9 with Comb-push Ultrasound Shear Elastography (CUSE) and time aligned sequential tracking (TAST). , 2014, , .		7
78	Liver Magnetic Resonance Elastography Technique. , 2014, , 19-37.		2
79	Estimating $T_1$ from multichannel variable flip angle SPGR sequences. Magnetic Resonance in Medicine, 2013, 69, 1787-1794.	1.9	23
80	Two-dimensional shear elasticity imaging using external mechanical vibration. , 2013, , .		2
81	Fast shear compounding using directional filtering and two-dimensional shear wave speed calculation. , 2013, , .		4
82	Comb-Push Ultrasound Shear Elastography (CUSE) With Various Ultrasound Push Beams. IEEE Transactions on Medical Imaging, 2013, 32, 1435-1447.	5.4	72
83	Adaptive nonlocal means filtering based on local noise level for CT denoising. Medical Physics, 2013, 41, 011908.	1.6	201
84	Stable automated segmentation of liver MR elastography images for clinical stiffness measurement. Proceedings of SPIE, 2013, 8672, .	0.8	2
85	Preoperative assessment of meningioma stiffness using magnetic resonance elastography. Journal of Neurosurgery, 2013, 118, 643-648.	0.9	137
86	Hepatic and splenic stiffness augmentation assessed with MR elastography in an in vivo porcine portal hypertension model. Journal of Magnetic Resonance Imaging, 2013, 38, 809-815.	1.9	49
87	Automated liver stiffness measurements with magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2013, 38, 371-379.	1.9	52
88	Measuring the Characteristic Topography of Brain Stiffness with Magnetic Resonance Elastography. PLoS ONE, 2013, 8, e81668.	1.1	125
89	Noise Reduction to Decrease Radiation Dose and Improve Conspicuity of Hepatic Lesions at Contrast-Enhanced 80-kV Hepatic CT Using Projection Space Denoising. American Journal of Roentgenology, 2012, 198, 405-411.	1.0	37
90	Comb-push Ultrasound Shear Elastography (CUSE): A novel and fast technique for shear elasticity imaging. , 2012, , .		8

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91	Comb-Push Ultrasound Shear Elastography (CUSE): A Novel Method for Two-Dimensional Shear Elasticity Imaging of Soft Tissues. IEEE Transactions on Medical Imaging, 2012, 31, 1821-1832.	5.4	182
92	High Performance Non-uniform FFT on Modern X86-based Multi-core Systems. , 2012, , .		5
93	Review of MR elastography applications and recent developments. Journal of Magnetic Resonance Imaging, 2012, 36, spcone-spcone.	1.9	2
94	Review of MR elastography applications and recent developments. Journal of Magnetic Resonance Imaging, 2012, 36, 757-774.	1.9	200
95	Magnetic resonance elastography as a method to estimate myocardial contractility. Journal of Magnetic Resonance Imaging, 2012, 36, 120-127.	1.9	40
96	Magnetic resonance elastography of the lung parenchyma in an in situ porcine model with a noninvasive mechanical driver: Correlation of shear stiffness with transâ€respiratory system pressures. Magnetic Resonance in Medicine, 2012, 67, 210-217.	1.9	23
97	Calibrationless parallel MRI using CLEAR. , 2011, , .		35
98	MR elastography of human lung parenchyma: Technical development, theoretical modeling and in vivo validation. Journal of Magnetic Resonance Imaging, 2011, 33, 1351-1361.	1.9	55
99	Decreased brain stiffness in Alzheimer's disease determined by magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2011, 34, 494-498.	1.9	277
100	Sparseâ€CAPR: Highly accelerated 4D CEâ€MRA with parallel imaging and nonconvex compressive sensing. Magnetic Resonance in Medicine, 2011, 66, 1019-1032.	1.9	38
101	Calculation of shear stiffness in noise dominated magnetic resonance elastography data based on principal frequency estimation. Physics in Medicine and Biology, 2011, 56, 4291-4309.	1.6	27
102	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
103	High-Performance 3D Compressive Sensing MRI Reconstruction Using Many-Core Architectures. International Journal of Biomedical Imaging, 2011, 2011, 1-11.	3.0	23
104	Vibration imaging for localization of functional compartments of the extrinsic flexor muscles of the hand. Journal of Magnetic Resonance Imaging, 2010, 31, 1395-1401.	1.9	13
105	Analysis of time reduction methods for magnetic resonance elastography of the brain. Magnetic Resonance Imaging, 2010, 28, 1514-1524.	1.0	16
106	Calculating tissue shear modulus and pressure by 2D log-elastographic methods. Inverse Problems, 2010, 26, 085007.	1.0	38
107	Feasibility of Dose Reduction Using Novel Denoising Techniques for Low kV (80 kV) CT Enterography. Academic Radiology, 2010, 17, 1203-1210.	1.3	32
108	Projection space denoising with bilateral filtering and CT noise modeling for dose reduction in CT. Medical Physics, 2009, 36, 4911-4919.	1.6	240

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109	Texture Features from Mammographic Images and Risk of Breast Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 837-845.	1.1	121
110	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
111	Highly Undersampled Magnetic Resonance Image Reconstruction via Homotopic $\ell_{1/2}$ -Minimization. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 106-121.	5.4	398
112	Shear Modulus Decomposition Algorithm in Magnetic Resonance Elastography. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1526-1533.	5.4	29
113	Magnetic resonance elastography with a phased-array acoustic driver system. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 678-685.	1.9	28
114	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
115	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
116	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
117	Magnetic resonance elastography: Inversions in bounded media. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1533-1542.	1.9	28
118	Relaxed Conditions for Sparse Signal Recovery With General Concave Priors. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 4347-4354.	3.2	28
119	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
120	Magnetic resonance elastography of the brain. <i>NeuroImage</i> , 2008, 39, 231-237.	2.1	375
121	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
122	Time reversal principles for wave optimization in multiple driver magnetic resonance elastography. , 2007, , .		2
123	Sparse MRI Reconstruction via Multiscale L0-Continuation. , 2007, , .		12
124	Assessment of Hepatic Fibrosis With Magnetic Resonance Elastography. <i>Clinical Gastroenterology and Hepatology</i> , 2007, 5, 1207-1213.e2.	2.4	863
125	Quantitative assessment of hepatic fibrosis in an animal model with magnetic resonance elastography. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 346-353.	1.9	112
126	Applications of magnetic resonance elastography to healthy and pathologic skeletal muscle. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 301-309.	1.9	136



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127	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
128	Magnetic resonance elastography of the lung: Technical feasibility. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1060-1066.	1.9	66
129	Imaging mechanical properties of hepatic tissue by magnetic resonance elastography. , 2006, , .		0
130	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
131	Stiffness-weighted magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 59-67.	1.9	27
132	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
133	Mechanical transient-based magnetic resonance elastography. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 628-639.	1.9	153
134	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
135	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
136	Image-space automatic motion correction for MRI images. , 2004, , .		0
137	MOTION-CORRECTION TECHNIQUES FOR STANDING EQUINE MRI. <i>Veterinary Radiology and Ultrasound</i> , 2004, 45, 513-519.	0.4	17
138	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
139	Spatio-temporal directional filtering for improved inversion of MR elastography images. <i>Medical Image Analysis</i> , 2003, 7, 465-473.	7.0	288
140	Imaging elastic properties of biological tissues by low-frequency harmonic vibration. <i>Proceedings of the IEEE</i> , 2003, 91, 1503-1519.	16.4	97
141	Improved inversion of MR elastography images by spatio-temporal directional filtering. , 2003, , .		6
142	Correction of translation-induced artifacts in wrist MRI scans using orthogonal acquisitions. , 2002, 4684, 334.		0
143	Motion correction using thek-space phase difference of orthogonal acquisitions. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 147-156.	1.9	18
144	Magnetic resonance elastography: Non-invasive mapping of tissue elasticity. <i>Medical Image Analysis</i> , 2001, 5, 237-254.	7.0	962

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145	Magnetic resonance elastography of skeletal muscle. Journal of Magnetic Resonance Imaging, 2001, 13, 269-276.	1.9	271
146	Complex-valued stiffness reconstruction for magnetic resonance elastography by algebraic inversion of the differential equation. Magnetic Resonance in Medicine, 2001, 45, 299-310.	1.9	313
147	Autocorrection of Three-Dimensional Time-of-Flight MR Angiography of the Circle of Willis. American Journal of Roentgenology, 2001, 176, 513-518.	1.0	15
148	Full 3D Rigid Body Automatic Motion Correction of MRI Images. Lecture Notes in Computer Science, 2001, , 1326-1327.	1.0	1
149	Image metric-based correction (Autocorrection) of motion effects: Analysis of image metrics. Journal of Magnetic Resonance Imaging, 2000, 11, 174-181.	1.9	112
150	Rapid autocorrection using prescan navigator echoes. Magnetic Resonance in Medicine, 2000, 43, 583-588.	1.9	13
151	An investigation of the effects of mammographic acquisition parameters on a semiautomated quantitative measure of breast cancer risk. Journal of Digital Imaging, 2000, 13, 186-188.	1.6	3
152	Autocorrection in MR Imaging: Adaptive Motion Correction without Navigator Echoes. Radiology, 2000, 215, 904-909.	3.6	56
153	Tissue characterization using magnetic resonance elastography: preliminary results*. Physics in Medicine and Biology, 2000, 45, 1579-1590.	1.6	301
154	A prospective approach to correct for inter-image head rotation in FMRI. Magnetic Resonance in Medicine, 1998, 39, 234-243.	1.9	58
155	Autofocusing of clinical shoulder MR images for correction of motion artifacts. Lecture Notes in Computer Science, 1998, , 598-605.	1.0	1
156	<title>Fast autofocusing of motion-corrupted MR images using one-dimensional Fourier transforms</title>. , 1998, 3338, 391.		3
157	Evaluation of irreversible compression of digitized posterior-anterior chest radiographs. Journal of Digital Imaging, 1997, 10, 97-102.	1.6	33
158	An analytical look at the effects of compression on medical images. Journal of Digital Imaging, 1997, 10, 60-66.	1.6	53
159	Magnetic resonance elastography by direct visualization of propagating acoustic strain waves. Science, 1995, 269, 1854-1857.	6.0	1,879
160	Improvement in specificity of ultrasonography for diagnosis of breast tumors by means of artificial intelligence. Medical Physics, 1992, 19, 1475-1481.	1.6	74
161	Image analysis for magnetic resonance elastography. , 0, , .		3
162	Embedded zerotree wavelet compression of medical images. , 0, , .		0

#	ARTICLE	IF	CITATIONS
163	Surface generation for virtual reality displays with a limited polygonal budget. , 0, , .		7
164	Local wavelength estimation for magnetic resonance elastography. , 0, , .		28
165	Direct visualization of strain waves by magnetic resonance elastography (MRE). , 0, , .		5
166	Medical image compression with set partitioning in hierarchical trees. , 0, , .		7
167	Neural network and principal component analyses of highly variable myocardial mechanical waveforms derived from echocardiographic ultrasound images. , 0, , .		1
168	Variance Controlled Shear Stiffness Images for MRE Data. , 0, , .		3