

JÃ¼rgen Braun

List of Publications by Year in descending order

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146
papers

7,438
citations

50244

46
h-index

62565

80
g-index

176
all docs

176
docs citations

176
times ranked

3840
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of Intestinal MR Elastography in Inflammatory Bowel Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 815-822.	1.9	13
2	Noninvasive Detection of Intracranial Hypertension by Novel Ultrasound Time-Harmonic Elastography. <i>Investigative Radiology</i> , 2022, 57, 77-84.	3.5	5
3	Multifrequency magnetic resonance elastography-based tomoelastography of the parotid glands—feasibility and reference values. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20210337.	1.3	1
4	In vivo stiffness of multiple sclerosis lesions is similar to that of normal-appearing white matter. <i>Acta Biomaterialia</i> , 2022, 138, 410-421.	4.1	9
5	Microscopic multifrequency MR elastography for mapping viscoelasticity in zebrafish. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1435-1445.	1.9	7
6	Liquid-Liver Phantom. <i>Investigative Radiology</i> , 2022, 57, 502-509.	3.5	14
7	Solid fraction determines stiffness and viscosity in decellularized pancreatic tissues. , 2022, , 212999.		3
8	Comparison of inversion methods in MR elastography: An open-access pipeline for processing multifrequency shear-wave data and demonstration in a phantom, human kidneys, and brain. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1840-1850.	1.9	11
9	Adipose cells and tissues soften with lipid accumulation while in diabetes adipose tissue stiffens. <i>Scientific Reports</i> , 2022, 12, .	1.6	13
10	Separation of fluid and solid shear wave fields and quantification of coupling density by magnetic resonance poroelastography. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1655-1668.	1.9	13
11	Superviscous properties of the in vivo brain at large scales. <i>Acta Biomaterialia</i> , 2021, 121, 393-404.	4.1	16
12	Reduction of breathing artifacts in multifrequency magnetic resonance elastography of the abdomen. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1962-1973.	1.9	24
13	Tomoelastography for Longitudinal Monitoring of Viscoelasticity Changes in the Liver and in Renal Allografts after Direct-Acting Antiviral Treatment in 15 Kidney Transplant Recipients with Chronic HCV Infection. <i>Journal of Clinical Medicine</i> , 2021, 10, 510.	1.0	5
14	How histopathologic changes in pediatric nonalcoholic fatty liver disease influence in vivo liver stiffness. <i>Acta Biomaterialia</i> , 2021, 123, 178-186.	4.1	13
15	Real-Time Multifrequency MR Elastography of the Human Brain Reveals Rapid Changes in Viscoelasticity in Response to the Valsalva Maneuver. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 666456.	2.0	14
16	Spatial heterogeneity of hepatic fibrosis in primary sclerosing cholangitis vs. viral hepatitis assessed by MR elastography. <i>Scientific Reports</i> , 2021, 11, 9820.	1.6	8
17	Inversion-recovery MR elastography of the human brain for improved stiffness quantification near fluid-solid boundaries. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2552-2561.	1.9	7
18	Effect of Post-mortem Interval and Perfusion on the Biophysical Properties of ex vivo Liver Tissue Investigated Longitudinally by MRE and DWI. <i>Frontiers in Physiology</i> , 2021, 12, 696304.	1.3	4

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19	Influence of fibrosis progression on the viscous properties of in vivo liver tissue elucidated by shear wave dispersion in multifrequency MR elastography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 121, 104645.	1.5	14
20	Added Value of Tomoelastography for Characterization of Pancreatic Neuroendocrine Tumor Aggressiveness Based on Stiffness. <i>Cancers</i> , 2021, 13, 5185.	1.7	8
21	Microscopic multifrequency magnetic resonance elastography of ex vivo abdominal aortic aneurysms for extracellular matrix imaging in a mouse model. <i>Acta Biomaterialia</i> , 2021, 140, 389-389.	4.1	2
22	Cardiac-gated steady-state multifrequency magnetic resonance elastography of the brain: Effect of cerebral arterial pulsation on brain viscoelasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 991-1001.	2.4	18
23	Disease Activity Cutoff Values in Initiating Tumor Necrosis Factor Inhibitor Therapy in Ankylosing Spondylitis: A German GO-NICE Study Subanalysis. <i>Journal of Rheumatology</i> , 2020, 47, 35-41.	1.0	6
24	Viscoelasticity of striatal brain areas reflects variations in body mass index of lean to overweight male adults. <i>Brain Imaging and Behavior</i> , 2020, 14, 2477-2487.	1.1	9
25	Diagnostic performance of tomoelastography of the liver and spleen for staging hepatic fibrosis. <i>European Radiology</i> , 2020, 30, 1719-1729.	2.3	26
26	Biomechanical properties of the hypoxic and dying brain quantified by magnetic resonance elastography. <i>Acta Biomaterialia</i> , 2020, 101, 395-402.	4.1	26
27	How tissue fluidity influences brain tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 128-134.	3.3	103
28	Real-time MR elastography for viscoelasticity quantification in skeletal muscle during dynamic exercises. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 103-114.	1.9	21
29	In Vivo Quantification of Water Diffusion, Stiffness, and Tissue Fluidity in Benign Prostatic Hyperplasia and Prostate Cancer. <i>Investigative Radiology</i> , 2020, 55, 524-530.	3.5	26
30	Changes in Liver Mechanical Properties and Water Diffusivity During Normal Pregnancy Are Driven by Cellular Hypertrophy. <i>Frontiers in Physiology</i> , 2020, 11, 605205.	1.3	6
31	Ultrasound Time-Harmonic Elastography of the Pancreas. <i>Investigative Radiology</i> , 2020, 55, 270-276.	3.5	9
32	Steady-State Multifrequency Magnetic Resonance Elastography of the Thoracic and Abdominal Human Aorta—Validation and Reference Values. <i>Investigative Radiology</i> , 2020, Publish Ahead of Print, 451-456.	3.5	4
33	Time-Resolved Response of Cerebral Stiffness to Hypercapnia in Humans. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 936-943.	0.7	15
34	Quantification of Aortic Stiffness by Ultrasound Time-Harmonic Elastography. <i>Investigative Radiology</i> , 2020, 55, 174-180.	3.5	8
35	Magnetic resonance elastography quantification of the solid-to-fluid transition of liver tissue due to decellularization. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 104, 103640.	1.5	16
36	Cerebral Ultrasound Time-Harmonic Elastography Reveals Softening of the Human Brain Due to Dehydration. <i>Frontiers in Physiology</i> , 2020, 11, 616984.	1.3	5

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37	Tomoelastography for Measurement of Tumor Volume Related to Tissue Stiffness in Pancreatic Ductal Adenocarcinomas. <i>Investigative Radiology</i> , 2020, 55, 769-774.	3.5	18
38	US Time-Harmonic Elastography for the Early Detection of Glomerulonephritis. <i>Radiology</i> , 2019, 292, 676-684.	3.6	15
39	The influence of body temperature on tissue stiffness, blood perfusion, and water diffusion in the mouse brain. <i>Acta Biomaterialia</i> , 2019, 96, 412-420.	4.1	13
40	Tomoelastography Distinguishes Noninvasively between Benign and Malignant Liver Lesions. <i>Cancer Research</i> , 2019, 79, 5704-5710.	0.4	58
41	Brain maturation is associated with increasing tissue stiffness and decreasing tissue fluidity. <i>Acta Biomaterialia</i> , 2019, 99, 433-442.	4.1	55
42	Tomoelastography Paired With T2* Magnetic Resonance Imaging Detects Lupus Nephritis With Normal Renal Function. <i>Investigative Radiology</i> , 2019, 54, 89-97.	3.5	25
43	Fast Robust Dejitter and Interslice Discontinuity Removal in MRI Phase Acquisitions: Application to Magnetic Resonance Elastography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1578-1587.	5.4	14
44	Collagen networks determine viscoelastic properties of connective tissues yet do not hinder diffusion of the aqueous solvent. <i>Soft Matter</i> , 2019, 15, 3055-3064.	1.2	60
45	Transtemporal Investigation of Brain Parenchyma Elasticity Using 2-D Shear Wave Elastography: Trustworthy?. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1344-1345.	0.7	5
46	Sensitivity of multifrequency magnetic resonance elastography and diffusion-weighted imaging to cellular and stromal integrity of liver tissue. <i>Journal of Biomechanics</i> , 2019, 88, 201-208.	0.9	9
47	Multiparametric Quantitative MRI for the Detection of IgA Nephropathy Using Tomoelastography, DWI, and BOLD Imaging. <i>Investigative Radiology</i> , 2019, 54, 669-674.	3.5	31
48	Tomoelastography for the Evaluation of Pediatric Nonalcoholic Fatty Liver Disease. <i>Investigative Radiology</i> , 2019, 54, 198-203.	3.5	28
49	Ultrasound Time-Harmonic Elastography of the Aorta. <i>Investigative Radiology</i> , 2019, 54, 675-680.	3.5	14
50	Hypercapnia increases brain viscoelasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2445-2455.	2.4	28
51	Fast tomoelastography of the mouse brain by multifrequency single-shot MR elastography. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2676-2687.	1.9	34
52	Progressive supranuclear palsy and idiopathic Parkinson's disease are associated with local reduction of in vivo brain viscoelasticity. <i>European Radiology</i> , 2018, 28, 3347-3354.	2.3	31
53	Sensitivity of Tissue Shear Stiffness to Pressure and Perfusion in Health and Disease. , 2018, , 429-449.		2
54	Full-Field-of-View Time-Harmonic Elastography of the Native Kidney. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 949-954.	0.7	14

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55	Combining viscoelasticity, diffusivity and volume of the hippocampus for the diagnosis of Alzheimer's disease based on magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2018, 18, 485-493.	1.4	69
56	Heterogeneous Multifrequency Direct Inversion (HMDI) for magnetic resonance elastography with application to a clinical brain exam. <i>Medical Image Analysis</i> , 2018, 46, 180-188.	7.0	29
57	Perfusion alters stiffness of deep gray matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 116-125.	2.4	44
58	A compact 0.5â€T MR elastography device and its application for studying viscoelasticity changes in biological tissues during progressive formalin fixation. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 470-478.	1.9	35
59	Tomoelastography of the prostate using multifrequency MR elastography and externally placed pressurizedâ€air drivers. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1325-1333.	1.9	34
60	Tomoelastography of the native kidney: Regional variation and physiological effects on in vivo renal stiffness. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2126-2134.	1.9	28
61	In vivo time-harmonic ultrasound elastography of the human brain detects acute cerebral stiffness changes induced by intracranial pressure variations. <i>Scientific Reports</i> , 2018, 8, 17888.	1.6	25
62	US Time-Harmonic Elastography: Detection of Liver Fibrosis in Adolescents with Extreme Obesity with Nonalcoholic Fatty Liver Disease. <i>Radiology</i> , 2018, 288, 99-106.	3.6	38
63	Comparison of non-invasive assessment of liver fibrosis in patients with alpha1-antitrypsin deficiency using magnetic resonance elastography (MRE), acoustic radiation force impulse (ARFI) Quantification, and 2D-shear wave elastography (2D-SWE). <i>PLoS ONE</i> , 2018, 13, e0196486.	1.1	24
64	Nonlinear multiscale regularisation in MR elastography: Towards fine feature mapping. <i>Medical Image Analysis</i> , 2017, 35, 133-145.	7.0	46
65	Increasing the spatial resolution and sensitivity of magnetic resonance elastography by correcting for subject motion and susceptibility-induced image distortions. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 134-141.	1.9	32
66	Physiologic Reduction of Hepatic Venous Blood Flow by the Valsalva Maneuver Decreases Liver Stiffness. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 1305-1311.	0.8	21
67	Time-Harmonic Elastography of the Liver is Sensitive to Intrahepatic Pressure Gradient and Liver Decompression after Transjugular Intrahepatic Portosystemic Shunt (TIPS) Implantation. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 595-600.	0.7	11
68	Time-Harmonic Ultrasound elastography of the Descending Abdominal Aorta: Initial Results. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2550-2557.	0.7	8
69	Multifrequency magnetic resonance elastography of the brain reveals tissue degeneration in neuromyelitis optica spectrum disorder. <i>European Radiology</i> , 2017, 27, 2206-2215.	2.3	16
70	Tomoelastography of the abdomen: Tissue mechanical properties of the liver, spleen, kidney, and pancreas from single <sc>MR</sc> elastography scans at different hydration states. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 976-983.	1.9	67
71	Higher-resolution MR elastography reveals early mechanical signatures of neuroinflammation in patients with clinically isolated syndrome. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, spcone-spcone.	1.9	2
72	Threeâ€parameter shear wave inversion in MR elastography of incompressible transverse isotropic media: Application to in vivo lower leg muscles. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1537-1545.	1.9	47

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73	Multifrequency Magnetic Resonance Elastography for the Assessment of Renal Allograft Function. Investigative Radiology, 2016, 51, 591-595.	3.5	44
74	In vivo wideband multifrequency MR elastography of the human brain and liver. Magnetic Resonance in Medicine, 2016, 76, 1116-1126.	1.9	70
75	Time-Resolved Analysis of Left Ventricular Shear Wave Amplitudes in Cardiac Elastography for the Diagnosis of Diastolic Dysfunction. Investigative Radiology, 2016, 51, 1-6.	3.5	8
76	Time Harmonic Elastography Reveals Sensitivity of Liver Stiffness to Water Ingestion. Ultrasound in Medicine and Biology, 2016, 42, 1289-1294.	0.7	31
77	Serum C-reactive Protein Levels Demonstrate Predictive Value for Radiographic and Magnetic Resonance Imaging Outcomes in Patients with Active Ankylosing Spondylitis Treated with Golimumab. Journal of Rheumatology, 2016, 43, 1704-1712.	1.0	34
78	Two-Dimensional Time-Harmonic Elastography of the Human Liver and Spleen. Ultrasound in Medicine and Biology, 2016, 42, 2562-2571.	0.7	34
79	Physical Function and Spinal Mobility Remain Stable Despite Radiographic Spinal Progression in Patients with Ankylosing Spondylitis Treated with TNF-Î± Inhibitors for Up to 10 Years. Journal of Rheumatology, 2016, 43, 2142-2148.	1.0	38
80	Higher-resolution MR elastography reveals early mechanical signatures of neuroinflammation in patients with clinically isolated syndrome. Journal of Magnetic Resonance Imaging, 2016, 44, 51-58.	1.9	47
81	Tomoelastography by multifrequency wave number recovery from time-harmonic propagating shear waves. Medical Image Analysis, 2016, 30, 1-10.	7.0	111
82	Tomoelastography by Multifrequency Wave Number Recovery. Informatik Aktuell, 2016, , 3-7.	0.4	2
83	Serum Vascular Endothelial Growth Factor Levels Lack Predictive Value in Patients with Active Ankylosing Spondylitis Treated with Golimumab. Journal of Rheumatology, 2016, 43, 901-906.	1.0	13
84	Tissue structure and inflammatory processes shape viscoelastic properties of the mouse brain. NMR in Biomedicine, 2015, 28, 831-839.	1.6	53
85	Cerebral multifrequency MR elastography by remote excitation of intracranial shear waves. NMR in Biomedicine, 2015, 28, 1426-1432.	1.6	20
86	In vivo multifrequency magnetic resonance elastography of the human intervertebral disk. Magnetic Resonance in Medicine, 2015, 74, 1380-1387.	1.9	20
87	In Vivo Abdominal Magnetic Resonance Elastography for the Assessment of Portal Hypertension Before and After Transjugular Intrahepatic Portosystemic Shunt Implantation. Investigative Radiology, 2015, 50, 347-351.	3.5	58
88	Tabletop magnetic resonance elastography for the measurement of viscoelastic parameters of small tissue samples. Journal of Magnetic Resonance, 2015, 251, 13-18.	1.2	25
89	Multifrequency Time-Harmonic Elastography for the Measurement of Liver Viscoelasticity in Large Tissue Windows. Ultrasound in Medicine and Biology, 2015, 41, 724-733.	0.7	40
90	B-Mode-gestÄ¼tzte zeitharmonische Leber-Elastographie zur Diagnose hepatischer Fibrose bei adipÄ¼sen Patienten. Informatik Aktuell, 2015, , 41-46.	0.4	0

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91	High-Resolution Mechanical Imaging of Glioblastoma by Multifrequency Magnetic Resonance Elastography. <i>PLoS ONE</i> , 2014, 9, e110588.	1.1	120
92	In vivo waveguide elastography: Effects of neurodegeneration in patients with amyotrophic lateral sclerosis. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1755-1761.	1.9	58
93	In vivo high-resolution magnetic resonance elastography of the uterine corpus and cervix. <i>European Radiology</i> , 2014, 24, 3025-3033.	2.3	40
94	High-resolution mechanical imaging of the human brain by three-dimensional multifrequency magnetic resonance elastography at 7T. <i>NeuroImage</i> , 2014, 90, 308-314.	2.1	77
95	Towards compression-sensitive magnetic resonance elastography of the liver: Sensitivity of harmonic volumetric strain to portal hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 298-306.	1.9	34
96	In vivo time-harmonic multifrequency elastography of the human liver. <i>Physics in Medicine and Biology</i> , 2014, 59, 1641-1654.	1.6	35
97	High-resolution mechanical imaging of the kidney. <i>Journal of Biomechanics</i> , 2014, 47, 639-644.	0.9	27
98	Measurement of in vivo cerebral volumetric strain induced by the Valsalva maneuver. <i>Journal of Biomechanics</i> , 2014, 47, 1652-1657.	0.9	26
99	Wideband MRE and static mechanical indentation of human liver specimen: Sensitivity of viscoelastic constants to the alteration of tissue structure in hepatic fibrosis. <i>Journal of Biomechanics</i> , 2014, 47, 1665-1674.	0.9	41
100	Shear-wave Amplitudes Measured with Cardiac MR Elastography for Diagnosis of Diastolic Dysfunction. <i>Radiology</i> , 2014, 271, 681-687.	3.6	37
101	Measurement of vibration-induced volumetric strain in the human lung. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 667-674.	1.9	18
102	Cerebral magnetic resonance elastography in supranuclear palsy and idiopathic Parkinson's disease. <i>NeuroImage: Clinical</i> , 2013, 3, 381-387.	1.4	76
103	Structure-sensitive elastography: on the viscoelastic powerlaw behavior of in vivo human tissue in health and disease. <i>Soft Matter</i> , 2013, 9, 5672.	1.2	153
104	Isovolumetric Elasticity Alteration in the Human Heart Detected by In Vivo Time-Harmonic Elastography. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2272-2278.	0.7	64
105	In vivo measurement of volumetric strain in the human brain induced by arterial pulsation and harmonic waves. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 671-683.	1.9	73
106	MR elastography in a murine stroke model reveals correlation of macroscopic viscoelastic properties of the brain with neuronal density. <i>NMR in Biomedicine</i> , 2013, 26, 1534-1539.	1.6	62
107	Multifrequency inversion in magnetic resonance elastography. <i>Physics in Medicine and Biology</i> , 2012, 57, 2329-2346.	1.6	106
108	Fractal network dimension and viscoelastic powerlaw behavior: I. A modeling approach based on a coarse-graining procedure combined with shear oscillatory rheometry. <i>Physics in Medicine and Biology</i> , 2012, 57, 4023-4040.	1.6	57

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109	In vivo time harmonic multiple frequency elastography of human liver. , 2012, , .		0
110	In Vivo Time Harmonic Elastography of the Human Heart. Ultrasound in Medicine and Biology, 2012, 38, 214-222.	0.7	72
111	Magnetic resonance elastography reveals altered brain viscoelasticity in experimental autoimmune encephalomyelitis. NeuroImage: Clinical, 2012, 1, 81-90.	1.4	99
112	Brain Viscoelasticity Alteration in Chronic-Progressive Multiple Sclerosis. PLoS ONE, 2012, 7, e29888.	1.1	195
113	In vivo waveguide elastography of white matter tracts in the human brain. Magnetic Resonance in Medicine, 2012, 68, 1410-1422.	1.9	110
114	Vibration-synchronized magnetic resonance imaging for the detection of myocardial elasticity changes. Magnetic Resonance in Medicine, 2012, 67, 919-924.	1.9	13
115	Alteration of brain viscoelasticity after shunt treatment in normal pressure hydrocephalus. Neuroradiology, 2012, 54, 189-196.	1.1	99
116	Fast 3D Vector Field Multi-Frequency Magnetic Resonance Elastography of the Human Brain. Informatik Aktuell, 2012, , 363-368.	0.4	0
117	Direct Magnetic Resonance Elastography. Informatik Aktuell, 2012, , 3-8.	0.4	0
118	Shear Wave Diffusion Observed by Magnetic Resonance Elastography. Mathematics and Visualization, 2012, , 157-168.	0.4	1
119	<i>In vivo</i> viscoelastic properties of the brain in normal pressure hydrocephalus. NMR in Biomedicine, 2011, 24, 385-392.	1.6	146
120	The Influence of Physiological Aging and Atrophy on Brain Viscoelastic Properties in Humans. PLoS ONE, 2011, 6, e23451.	1.1	145
121	Wide-range dynamic magnetic resonance elastography. Journal of Biomechanics, 2011, 44, 1380-1386.	0.9	75
122	Cardiac Magnetic Resonance Elastography. Investigative Radiology, 2010, 45, 782-787.	3.5	41
123	In vivo magnetic resonance elastography of human brain at 7 T and 1.5 T. Journal of Magnetic Resonance Imaging, 2010, 32, 577-583.	1.9	37
124	Elasticity-based determination of isovolumetric phases in the human heart. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 60.	1.6	30
125	Viscoelasticity-based MR elastography of skeletal muscle. Physics in Medicine and Biology, 2010, 55, 6445-6459.	1.6	109
126	Viscoelastic properties of liver measured by oscillatory rheometry and multifrequency magnetic resonance elastography. Biorheology, 2010, 47, 133-141.	1.2	88

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127	MR-elastography reveals degradation of tissue integrity in multiple sclerosis. <i>NeuroImage</i> , 2010, 49, 2520-2525.	2.1	262
128	Scatter-based magnetic resonance elastography. <i>Physics in Medicine and Biology</i> , 2009, 54, 2229-2241.	1.6	58
129	MR elastography of the human heart: Noninvasive assessment of myocardial elasticity changes by shear wave amplitude variations. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 668-677.	1.9	101
130	Cardiac MR Elastography: Comparison with left ventricular pressure measurement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 44.	1.6	51
131	The impact of aging and gender on brain viscoelasticity. <i>NeuroImage</i> , 2009, 46, 652-657.	2.1	345
132	Assessment of liver viscoelasticity using multifrequency MR elastography. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 373-379.	1.9	227
133	Noninvasive measurement of brain viscoelasticity using magnetic resonance elastography. <i>NMR in Biomedicine</i> , 2008, 21, 265-271.	1.6	275
134	Phase preparation in steady-state free precession MR elastography. <i>Magnetic Resonance Imaging</i> , 2008, 26, 228-235.	1.0	14
135	Cardiac Magnetic Resonance Elastography. <i>Investigative Radiology</i> , 2008, 43, 762-772.	3.5	42
136	Noninvasive assessment of the rheological behavior of human organs using multifrequency MR elastography: a study of brain and liver viscoelasticity. <i>Physics in Medicine and Biology</i> , 2007, 52, 7281-7294.	1.6	295
137	Fractional encoding of harmonic motions in MR elastography. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 388-395.	1.9	152
138	In Vivo Determination of Hepatic Stiffness Using Steady-State Free Precession Magnetic Resonance Elastography. <i>Investigative Radiology</i> , 2006, 41, 841-848.	3.5	105
139	Shear wave group velocity inversion in MR elastography of human skeletal muscle. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 489-497.	1.9	106
140	Alterations of the proton-T2 time in relaxed skeletal muscle induced by passive extremity flexions. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 541-546.	1.9	7
141	Two-dimensional waveform analysis in MR elastography of skeletal muscles. <i>Physics in Medicine and Biology</i> , 2005, 50, 1313-1325.	1.6	46
142	Quantitation of simulated short echo time 1H human brain spectra by LCMoel and AMARES. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 904-912.	1.9	113
143	Analysis of wave patterns in MR elastography of skeletal muscle using coupled harmonic oscillator simulations. <i>Magnetic Resonance Imaging</i> , 2002, 20, 95-104.	1.0	66
144	Scattered Brain Infarct Pattern on Diffusion-Weighted Magnetic Resonance Imaging in Patients with Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2001, 11, 157-163.	0.8	42

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145	Simulation and analysis of magnetic resonance elastography wave images using coupled harmonic oscillators and Gaussian local frequency estimation. <i>Magnetic Resonance Imaging</i> , 2001, 19, 703-713.	1.0	50
146	Successful treatment of active ankylosing spondylitis with the anti-tumor necrosis factor α monoclonal antibody infliximab. <i>Arthritis and Rheumatism</i> , 2000, 43, 1346-1352.	6.7	506