

# 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	Successful treatment of active ankylosing spondylitis with the anti-tumor necrosis factor $\beta$ monoclonal antibody infliximab. <i>Arthritis and Rheumatism</i> , 2000, 43, 1346-1352.	6.7	506
2	The impact of aging and gender on brain viscoelasticity. <i>NeuroImage</i> , 2009, 46, 652-657.	2.1	345
3	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
4	Noninvasive measurement of brain viscoelasticity using magnetic resonance elastography. <i>NMR in Biomedicine</i> , 2008, 21, 265-271.	1.6	275
5	MR-elastography reveals degradation of tissue integrity in multiple sclerosis. <i>NeuroImage</i> , 2010, 49, 2520-2525.	2.1	262
6	Assessment of liver viscoelasticity using multifrequency MR elastography. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 373-379.	1.9	227
7	Brain Viscoelasticity Alteration in Chronic-Progressive Multiple Sclerosis. <i>PLoS ONE</i> , 2012, 7, e29888.	1.1	195
8	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
9	Fractional encoding of harmonic motions in MR elastography. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 388-395.	1.9	152
10	In vivo viscoelastic properties of the brain in normal pressure hydrocephalus. <i>NMR in Biomedicine</i> , 2011, 24, 385-392.	1.6	146
11	The Influence of Physiological Aging and Atrophy on Brain Viscoelastic Properties in Humans. <i>PLoS ONE</i> , 2011, 6, e23451.	1.1	145
12	High-Resolution Mechanical Imaging of Glioblastoma by Multifrequency Magnetic Resonance Elastography. <i>PLoS ONE</i> , 2014, 9, e110588.	1.1	120
13	Quantitation of simulated short echo time $^1\text{H}$ human brain spectra by LCMoel and AMARES. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 904-912.	1.9	113
14	Tomoelastography by multifrequency wave number recovery from time-harmonic propagating shear waves. <i>Medical Image Analysis</i> , 2016, 30, 1-10.	7.0	111
15	In vivo waveguide elastography of white matter tracts in the human brain. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1410-1422.	1.9	110
16	Viscoelasticity-based MR elastography of skeletal muscle. <i>Physics in Medicine and Biology</i> , 2010, 55, 6445-6459.	1.6	109
17	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
18	Multifrequency inversion in magnetic resonance elastography. <i>Physics in Medicine and Biology</i> , 2012, 57, 2329-2346.	1.6	106

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19	In Vivo Determination of Hepatic Stiffness Using Steady-State Free Precession Magnetic Resonance Elastography. Investigative Radiology, 2006, 41, 841-848.	3.5	105
20	How tissue fluidity influences brain tumor progression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 128-134.	3.3	103
21	MR elastography of the human heart: Noninvasive assessment of myocardial elasticity changes by shear wave amplitude variations. Magnetic Resonance in Medicine, 2009, 61, 668-677.	1.9	101
22	Magnetic resonance elastography reveals altered brain viscoelasticity in experimental autoimmune encephalomyelitis. NeuroImage: Clinical, 2012, 1, 81-90.	1.4	99
23	Alteration of brain viscoelasticity after shunt treatment in normal pressure hydrocephalus. Neuroradiology, 2012, 54, 189-196.	1.1	99
24	Viscoelastic properties of liver measured by oscillatory rheometry and multifrequency magnetic resonance elastography. Biorheology, 2010, 47, 133-141.	1.2	88
25	High-resolution mechanical imaging of the human brain by three-dimensional multifrequency magnetic resonance elastography at 7T. NeuroImage, 2014, 90, 308-314.	2.1	77
26	Cerebral magnetic resonance elastography in supranuclear palsy and idiopathic Parkinson's disease. NeuroImage: Clinical, 2013, 3, 381-387.	1.4	76
27	Wide-range dynamic magnetic resonance elastography. Journal of Biomechanics, 2011, 44, 1380-1386.	0.9	75
28	In vivo measurement of volumetric strain in the human brain induced by arterial pulsation and harmonic waves. Magnetic Resonance in Medicine, 2013, 70, 671-683.	1.9	73
29	In Vivo Time Harmonic Elastography of the Human Heart. Ultrasound in Medicine and Biology, 2012, 38, 214-222.	0.7	72
30	In vivo wideband multifrequency MR elastography of the human brain and liver. Magnetic Resonance in Medicine, 2016, 76, 1116-1126.	1.9	70
31	Combining viscoelasticity, diffusivity and volume of the hippocampus for the diagnosis of Alzheimer's disease based on magnetic resonance imaging. NeuroImage: Clinical, 2018, 18, 485-493.	1.4	69
32	Tomoelastography of the abdomen: Tissue mechanical properties of the liver, spleen, kidney, and pancreas from single MR elastography scans at different hydration states. Magnetic Resonance in Medicine, 2017, 78, 976-983.	1.9	67
33	Analysis of wave patterns in MR elastography of skeletal muscle using coupled harmonic oscillator simulations. Magnetic Resonance Imaging, 2002, 20, 95-104.	1.0	66
34	Isovolumetric Elasticity Alteration in the Human Heart Detected by In Vivo Time-Harmonic Elastography. Ultrasound in Medicine and Biology, 2013, 39, 2272-2278.	0.7	64
35	MR elastography in a murine stroke model reveals correlation of macroscopic viscoelastic properties of the brain with neuronal density. NMR in Biomedicine, 2013, 26, 1534-1539.	1.6	62
36	Collagen networks determine viscoelastic properties of connective tissues yet do not hinder diffusion of the aqueous solvent. Soft Matter, 2019, 15, 3055-3064.	1.2	60

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37	Scatter-based magnetic resonance elastography. <i>Physics in Medicine and Biology</i> , 2009, 54, 2229-2241.	1.6	58
38	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
39	In Vivo Abdominal Magnetic Resonance Elastography for the Assessment of Portal Hypertension Before and After Transjugular Intrahepatic Portosystemic Shunt Implantation. <i>Investigative Radiology</i> , 2015, 50, 347-351.	3.5	58
40	Tomoelastography Distinguishes Noninvasively between Benign and Malignant Liver Lesions. <i>Cancer Research</i> , 2019, 79, 5704-5710.	0.4	58
41	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
42	Brain maturation is associated with increasing tissue stiffness and decreasing tissue fluidity. <i>Acta Biomaterialia</i> , 2019, 99, 433-442.	4.1	55
43	Tissue structure and inflammatory processes shape viscoelastic properties of the mouse brain. <i>NMR in Biomedicine</i> , 2015, 28, 831-839.	1.6	53
44	Cardiac MR Elastography: Comparison with left ventricular pressure measurement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 44.	1.6	51
45	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
46	Three-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
47	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, 51-58.	1.9	47
48	Two-dimensional waveform analysis in MR elastography of skeletal muscles. <i>Physics in Medicine and Biology</i> , 2005, 50, 1313-1325.	1.6	46
49	Nonlinear multiscale regularisation in MR elastography: Towards fine feature mapping. <i>Medical Image Analysis</i> , 2017, 35, 133-145.	7.0	46
50	Multifrequency Magnetic Resonance Elastography for the Assessment of Renal Allograft Function. <i>Investigative Radiology</i> , 2016, 51, 591-595.	3.5	44
51	Perfusion alters stiffness of deep gray matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 116-125.	2.4	44
52	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
53	Cardiac Magnetic Resonance Elastography. <i>Investigative Radiology</i> , 2008, 43, 762-772.	3.5	42
54	Cardiac Magnetic Resonance Elastography. <i>Investigative Radiology</i> , 2010, 45, 782-787.	3.5	41

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55	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
56	In vivo high-resolution magnetic resonance elastography of the uterine corpus and cervix. <i>European Radiology</i> , 2014, 24, 3025-3033.	2.3	40
57	Multifrequency Time-Harmonic Elastography for the Measurement of Liver Viscoelasticity in Large Tissue Windows. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 724-733.	0.7	40
58	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. <i>Journal of Rheumatology</i> , 2016, 43, 2142-2148.	1.0	38
59	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
60	In vivo magnetic resonance elastography of human brain at 7 T and 1.5 T. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 577-583.	1.9	37
61	Shear-wave Amplitudes Measured with Cardiac MR Elastography for Diagnosis of Diastolic Dysfunction. <i>Radiology</i> , 2014, 271, 681-687.	3.6	37
62	<i>In vivo</i> time-harmonic multifrequency elastography of the human liver. <i>Physics in Medicine and Biology</i> , 2014, 59, 1641-1654.	1.6	35
63	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
64	Towards compressionâ€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
65	Serum C-reactive Protein Levels Demonstrate Predictive Value for Radiographic and Magnetic Resonance Imaging Outcomes in Patients with Active Ankylosing Spondylitis Treated with Golimumab. <i>Journal of Rheumatology</i> , 2016, 43, 1704-1712.	1.0	34
66	Two-Dimensional Time-Harmonic Elastography of the Human Liver and Spleen. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 2562-2571.	0.7	34
67	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
68	Fast tomoelastography of the mouse brain by multifrequency singleâ€shot MR elastography. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2676-2687.	1.9	34
69	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
70	Time Harmonic Elastography Reveals Sensitivity of Liver Stiffness to Water Ingestion. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1289-1294.	0.7	31
71	Progressive supranuclear palsy and idiopathic Parkinsonâ€s disease are associated with local reduction of in vivo brain viscoelasticity. <i>European Radiology</i> , 2018, 28, 3347-3354.	2.3	31
72	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

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73	Elasticity-based determination of isovolumetric phases in the human heart. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, 60.	1.6	30
74	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
75	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
76	Tomoelastography for the Evaluation of Pediatric Nonalcoholic Fatty Liver Disease. <i>Investigative Radiology</i> , 2019, 54, 198-203.	3.5	28
77	Hypercapnia increases brain viscoelasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2445-2455.	2.4	28
78	High-resolution mechanical imaging of the kidney. <i>Journal of Biomechanics</i> , 2014, 47, 639-644.	0.9	27
79	Measurement of in vivo cerebral volumetric strain induced by the Valsalva maneuver. <i>Journal of Biomechanics</i> , 2014, 47, 1652-1657.	0.9	26
80	Diagnostic performance of tomoelastography of the liver and spleen for staging hepatic fibrosis. <i>European Radiology</i> , 2020, 30, 1719-1729.	2.3	26
81	Biomechanical properties of the hypoxic and dying brain quantified by magnetic resonance elastography. <i>Acta Biomaterialia</i> , 2020, 101, 395-402.	4.1	26
82	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
83	Tabletop magnetic resonance elastography for the measurement of viscoelastic parameters of small tissue samples. <i>Journal of Magnetic Resonance</i> , 2015, 251, 13-18.	1.2	25
84	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
85	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
86	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
87	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
88	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
89	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
90	Cerebral multifrequency MR elastography by remote excitation of intracranial shear waves. <i>NMR in Biomedicine</i> , 2015, 28, 1426-1432.	1.6	20

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91	In vivo multifrequency magnetic resonance elastography of the human intervertebral disk. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1380-1387.	1.9	20
92	Measurement of vibration-induced volumetric strain in the human lung. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 667-674.	1.9	18
93	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
94	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
95	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
96	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
97	Superviscous properties of the in vivo brain at large scales. <i>Acta Biomaterialia</i> , 2021, 121, 393-404.	4.1	16
98	US Time-Harmonic Elastography for the Early Detection of Glomerulonephritis. <i>Radiology</i> , 2019, 292, 676-684.	3.6	15
99	Time-Resolved Response of Cerebral Stiffness to Hypercapnia in Humans. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 936-943.	0.7	15
100	Phase preparation in steady-state free precession MR elastography. <i>Magnetic Resonance Imaging</i> , 2008, 26, 228-235.	1.0	14
101	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
102	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
103	Ultrasound Time-Harmonic Elastography of the Aorta. <i>Investigative Radiology</i> , 2019, 54, 675-680.	3.5	14
104	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
105	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
106	Liquid-Liver Phantom. <i>Investigative Radiology</i> , 2022, 57, 502-509.	3.5	14
107	Vibration-synchronized magnetic resonance imaging for the detection of myocardial elasticity changes. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 919-924.	1.9	13
108	Serum Vascular Endothelial Growth Factor Levels Lack Predictive Value in Patients with Active Ankylosing Spondylitis Treated with Golimumab. <i>Journal of Rheumatology</i> , 2016, 43, 901-906.	1.0	13



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109	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
110	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
111	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
112	Feasibility of Intestinal MR Elastography in Inflammatory Bowel Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 815-822.	1.9	13
113	Adipose cells and tissues soften with lipid accumulation while in diabetes adipose tissue stiffens. <i>Scientific Reports</i> , 2022, 12, .	1.6	13
114	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
115	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
116	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
117	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
118	Ultrasound Time-Harmonic Elastography of the Pancreas. <i>Investigative Radiology</i> , 2020, 55, 270-276.	3.5	9
119	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
120	Time-Resolved Analysis of Left Ventricular Shear Wave Amplitudes in Cardiac Elastography for the Diagnosis of Diastolic Dysfunction. <i>Investigative Radiology</i> , 2016, 51, 1-6.	3.5	8
121	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
122	Quantification of Aortic Stiffness by Ultrasound Time-Harmonic Elastography. <i>Investigative Radiology</i> , 2020, 55, 174-180.	3.5	8
123	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
124	Added Value of Tomoelastography for Characterization of Pancreatic Neuroendocrine Tumor Aggressiveness Based on Stiffness. <i>Cancers</i> , 2021, 13, 5185.	1.7	8
125	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
126	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



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127	Microscopic multifrequency MR elastography for mapping viscoelasticity in zebrafish. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1435-1445.	1.9	7
128	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
129	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
130	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
131	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
132	Noninvasive Detection of Intracranial Hypertension by Novel Ultrasound Time-Harmonic Elastography. <i>Investigative Radiology</i> , 2022, 57, 77-84.	3.5	5
133	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
134	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
135	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
136	Solid fraction determines stiffness and viscosity in decellularized pancreatic tissues. , 2022, , 212999.		3
137	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
138	Tomoelastography by Multifrequency Wave Number Recovery. <i>Informatik Aktuell</i> , 2016, , 3-7.	0.4	2
139	Sensitivity of Tissue Shear Stiffness to Pressure and Perfusion in Health and Disease. , 2018, , 429-449.		2
140	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
141	Multifrequency magnetic resonance elastography-based tomoelastography of the parotid glands – feasibility and reference values. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20210337.	1.3	1
142	Shear Wave Diffusion Observed by Magnetic Resonance Elastography. <i>Mathematics and Visualization</i> , 2012, , 157-168.	0.4	1
143	In vivo time harmonic multiple frequency elastography of human liver. , 2012, , .		0
144	Fast 3D Vector Field Multi-Frequency Magnetic Resonance Elastography of the Human Brain. <i>Informatik Aktuell</i> , 2012, , 363-368.	0.4	0

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145	Direct Magnetic Resonance Elastography. Informatik Aktuell, 2012, , 3-8.	0.4	0
146	B-Mode-gestützte zeitharmonische Leber-Elastographie zur Diagnose hepatischer Fibrose bei adipösen Patienten. Informatik Aktuell, 2015, , 41-46.	0.4	0