Kagayaki Kuroda

List of Publications by Year
in descending order

80	2,647	279701	189801
papers	citations	23 h-index	50 g-index

83	83	83	2282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A precise and fast temperature mapping using water proton chemical shift. Magnetic Resonance in Medicine, 1995, 34, 814-823.	1.9	949
2	Temperature mapping using water proton chemical shift obtained with 3D-MRSI: Feasibilityin vivo. Magnetic Resonance in Medicine, 1996, 35, 20-29.	1.9	128
3	Temperature Mapping using the water proton chemical shift: A chemical shift selective phase mapping method. Magnetic Resonance in Medicine, 1997, 38, 845-851.	1.9	125
4	Change in knee cartilage T2 in response to mechanical loading. Journal of Magnetic Resonance Imaging, 2008, 28, 175-180.	1.9	106
5	Non-invasive MR thermography using the water proton chemical shift. International Journal of Hyperthermia, 2005, 21, 547-560.	1.1	103
6	High b-value Diffusion-weighted Imaging in Normal and Malignant Peripheral Zone Tissue of the Prostate: Effect of Signal-to-Noise Ratio. Magnetic Resonance in Medical Sciences, 2008, 7, 93-99.	1.1	90
7	Monitoring and visualization techniques for MR-guided laser ablations in an open MR system. Journal of Magnetic Resonance Imaging, 1998, 8, 933-943.	1.9	87
8	Invited. Calibration of water proton chemical shift with temperature for noninvasive temperature imaging during focused ultrasound surgery. Journal of Magnetic Resonance Imaging, 1998, 8, 175-181.	1.9	82
9	Scintillator selection for MR-compatible gamma detectors. IEEE Transactions on Nuclear Science, 2003, 50, 1683-1685.	1.2	70
10	Velocity and pressure gradients of cerebrospinal fluid assessed with magnetic resonance imaging. Journal of Neurosurgery, 2014, 120, 218-227.	0.9	61
11	Optimization of self-reference thermometry using complex field estimation. Magnetic Resonance in Medicine, 2006, 56, 835-843.	1.9	57
12	An inverse method to optimize heating conditions in RF-capacitive hyperthermia. IEEE Transactions on Biomedical Engineering, 1996, 43, 1029-1037.	2.5	48
13	Optimization of chemical shift selective suppression of fat. Magnetic Resonance in Medicine, 1998, 40, 505-510.	1.9	48
14	Feasibility of Internally Referenced Brain Temperature Imaging with a Metabolite Signal. Magnetic Resonance in Medical Sciences, 2003, 2, 17-22.	1.1	44
15	Difference in vocal tract shape between upright and supine postures: Observations by an open-type MRI scanner. Acoustical Science and Technology, 2005, 26, 465-468.	0.3	43
16	Characterization of cardiac- and respiratory-driven cerebrospinal fluid motion based on asynchronous phase-contrast magnetic resonance imaging in volunteers. Fluids and Barriers of the CNS, 2017, 14, 25.	2.4	42
17	MR techniques for guiding highâ€intensity focused ultrasound (HIFU) treatments. Journal of Magnetic Resonance Imaging, 2018, 47, 316-331.	1.9	36
18	Magnetic Resonance Imaging Technique for Visualization of Irregular Cerebrospinal Fluid Motion in the Ventricular System and Subarachnoid Space. World Neurosurgery, 2017, 97, 523-531.	0.7	33

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19	Changing the Currently Held Concept of Cerebrospinal Fluid Dynamics Based on Shared Findings of Cerebrospinal Fluid Motion in the Cranial Cavity Using Various Types of Magnetic Resonance Imaging Techniques. Neurologia Medico-Chirurgica, 2019, 59, 133-146.	1.0	31
20	Temperature Dependence of Relaxation Times in Proton Components of Fatty Acids. Magnetic Resonance in Medical Sciences, 2011, 10, 177-183.	1.1	29
21	Comparison between two types of improved motion-sensitized driven-equilibrium (iMSDE) for intracranial black-blood imaging at 3.0 tesla. Journal of Magnetic Resonance Imaging, 2014, 40, 824-831.	1.9	29
22	Quantitative Analysis of Cerebrospinal Fluid Pressure Gradients in Healthy Volunteers and Patients with Normal Pressure Hydrocephalus. Neurologia Medico-Chirurgica, 2015, 55, 657-662.	1.0	28
23	Visualization of kidney fibrosis in diabetic nephropathy by long diffusion tensor imaging MRI with spin-echo sequence. Scientific Reports, 2017, 7, 5731.	1.6	27
24	Visualization of Pulsatile CSF Motion Around Membrane-like Structures with both 4D Velocity Mapping and Time-SLIP Technique. Magnetic Resonance in Medical Sciences, 2015, 14, 263-273.	1.1	24
25	Effects of blood perfusion rate on the optimization of RF-capacitive hyperthermia. IEEE Transactions on Biomedical Engineering, 1998, 45, 1182-1186.	2.5	21
26	Hyperdynamic CSF motion profiles found in idiopathic normal pressure hydrocephalus and Alzheimerâ€™s disease assessed by fluid mechanics derived from magnetic resonance images. Fluids and Barriers of the CNS, 2017, 14, 29.	2.4	17
27	The Choroid Plexus of the Lateral Ventricle As the Origin of CSF Pulsation Is Questionable. Neurologia Medico-Chirurgica, 2018, 58, 23-31.	1.0	17
28	MR-based temperature monitoring for hot saline injection therapy. Journal of Magnetic Resonance Imaging, 2000, 12, 330-338.	1.9	16
29	Anatomical and metabolic assessment of prostate using a 3-Tesla MR scanner with a custom-made external transceive coil: Healthy volunteer study. Journal of Magnetic Resonance Imaging, 2007, 25, 517-526.	1.9	15
30	Cardiac-driven Pulsatile Motion of Intracranial Cerebrospinal Fluid Visualized Based on a Correlation Mapping Technique. Magnetic Resonance in Medical Sciences, 2018, 17, 151-160.	1.1	15
31	Cerebrospinal fluid image segmentation using spatial fuzzy clustering method with improved evolutionary Expectation Maximization. , 2013, 2013, 3359-62.		14
32	Recent technological advancements in thermometry. Advanced Drug Delivery Reviews, 2020, 163-164, 19-39.	6.6	14
33	Near-real-time feedback control system for liver thermal ablations based on self-referenced temperature imaging. European Journal of Radiology, 2006, 59, 175-182.	1.2	13
34	Assessment of Improved Motion-Sensitized Driven Equilibrium (iMSDE) for Multi-contrast Vessel Wall Screening. Magnetic Resonance in Medical Sciences, 2014, 13, 139-144.	1.1	13
35	Diffusion Tensor Imaging MRI With Spin-Echo Sequence and Long-Duration Measurement for Evaluation of Renal Fibrosis in a Rat Fibrosis Model. Transplantation Proceedings, 2017, 49, 145-152.	0.3	12
36	Intraoperative MR Imaging during Glioma Resection. Magnetic Resonance in Medical Sciences, 2022, 21, 148-167.	1.1	12

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37	Laser-induced thermotherapy of cerebral neoplasia under MR tomographic control. Minimally Invasive Therapy and Allied Technologies, 1998, 7, 589-598.	0.6	10
38	Accuracy of MR Temperature Measurement Based on Chemical Shift Change for Radiofrequency Ablation Using Hook-shaped Electrodes. Magnetic Resonance in Medical Sciences, 2004, 3, 95-100.	1.1	10
39	Quality assurance: Recommended guidelines for safe heating by capacitive-type heating technique to treat patients with metallic implants. International Journal of Hyperthermia, 2013, 29, 194-205.	1.1	9
40	Method for Target Tracking in Focused Ultrasound Surgery of Liver using Magnetic Resonance Filtered Venography. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2614-7.	0.5	8
41	Measurements of intracranial pressure and compliance index using 1.5-T clinical MRI machine. Tokai Journal of Experimental and Clinical Medicine, 2014, 39, 34-43.	0.4	8
42	Development of an MR-compatible gamma probe for combined MR/RI guided surgery. Physics in Medicine and Biology, 2004, 49, 3379-3388.	1.6	7
43	Non-Invasive Magnetic Resonance Imaging in Rats for Prediction of the Fate of Grafted Kidneys from Cardiac Death Donors. PLoS ONE, 2013, 8, e63573.	1.1	7
44	Characterization of cardiac- and respiratory-driven cerebrospinal fluid motions using correlation mapping with asynchronous 2-dimensional phase contrast technique. , 2016, 2016, 3867-3870.		7
45	Visualization of pulsatile CSF motion separated by membrane-like structure based on four-dimensional phase-contrast (4D-PC) velocity mapping. , 2013, 2013, 6470-3.		6
46	Visualization of Cerebrospinal Fluid Motion in the Whole Brain Using Three-dimensional Dynamic Improved Motion-sensitized Driven-equilibrium Steady-state Free Precession. Magnetic Resonance in Medical Sciences, 2021, 20, 112-118.	1.1	6
47	Multilayered receive coil produced using a non-planar photofabrication process for an intraluminal magnetic resonance imaging. Sensors and Actuators A: Physical, 2017, 261, 130-139.	2.0	5
48	Evaluation of a vesselâ€trackingâ€based technique for dynamic targeting in human liver. Magnetic Resonance in Medicine, 2012, 67, 156-163.	1.9	4
49	Optimization of the Clinical Setting Using Numerical Simulations of the Electromagnetic Field in an Obese Patient Model for Deep Regional Hyperthermia of an 8 MHz Radiofrequency Capacitively Coupled Device in the Pelvis. Cancers, 2021, 13, 979.	1.7	4
50	Evaluation of Cardiac- and Respiratory-driven Cerebrospinal Fluid Motions by Applying the S-transform to Steady-state Free Precession Phase Contrast Imaging. Magnetic Resonance in Medical Sciences, 2022, 21, 372-379.	1.1	4
51	Newly developed surface coil for endoluminal MRI, depiction of pig gastric wall layers and vascular architecture in ex vivo study. Journal of Gastroenterology, 2009, 44, 390-395.	2.3	3
52	Cerebrospinal fluid pulsatile segmentation - a review. , 2012, , .		3
53	Correlation time mapping based on magnetic resonance velocimetry: Preliminary results on cerebrospinal fluid flow. , 2013, , .		3
54	High-resolution MR imaging of gastrointestinal tissue by intracavitary RF coil with remote tuning and matching technique for integrated MR-endoscope system. , 2013, 2013, 5706-10.		3

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55	Evaluation of the Magnetic Properties of Cosmetic Contact Lenses with a Superconducting Quantum Interference Device. Magnetic Resonance in Medical Sciences, 2014, 13, 207-214.	1.1	3
56	Correlation mapping for visualizing propagation of pulsatile CSF motion in intracranial space based on magnetic resonance phase contrast velocity images: Preliminary results. , 2014, 2014, 3300-3.		3
57	Investigation of driving forces of cerebrospinal fluid motion by power and frequency mapping based on asynchronous phase contrast technique. , 2016, 2016, 1232-1235.		3
58	Visualization and Characterization of Cerebrospinal Fluid Motion Based on Magnetic Resonance Imaging. , 0, , .		3
59	Respiratory-driven Cyclic Cerebrospinal Fluid Motion in the Intracranial Cavity on Magnetic Resonance Imaging: Insights into the Pathophysiology of Neurofluid Dysfunction. Neurologia Medico-Chirurgica, 2021, 61, 711-720.	1.0	3
60	Characterization of Cardiac- and Respiratory-driven Cerebrospinal Fluid Motions Using a Correlation Mapping Technique Based on Asynchronous Two-dimensional Phase Contrast MR Imaging. Magnetic Resonance in Medical Sciences, 2021, 20, 385-395.	1.1	3
61	Development of Intravascular MRI Probe Applicable to Catheter Mounting. IEEJ Transactions on Sensors and Micromachines, 2008, 128, 389-395.	0.0	3
62	A Target Tracking Technique for Use with Noninvasive Magnetic Resonance Self-reference Thermometry with Focused Ultrasound Surgery. Thermal Medicine, 2007, 23, 181-193.	0.0	3
63	Feasibility of Noninvasive Magnetic Resonance Temperature Imaging of Fat and Water Based on Methylene Proton Spin-lattice Relaxation Time and Water Proton Resonance Frequency. Thermal Medicine, 2012, 28, 87-96.	0.0	3
64	Integrated MR-laparoscopy system with respiratory synchronization for minimally invasive liver surgery. Journal of Hepato-Biliary-Pancreatic Sciences, 2010, 17, 622-628.	1.4	2
65	Endoluminal MR imaging of porcine gastric structure in vivo. Journal of Gastroenterology, 2010, 45, 600-607.	2.3	2
66	Gd-DTPA-based MR-visible Polymer for Direct Visualization of Interventional Devices. Magnetic Resonance in Medical Sciences, 2011, 10, 263-267.	1.1	2
67	New Insights into MR Safety for Implantable Medical Devices. Magnetic Resonance in Medical Sciences, 2022, 21, 110-131.	1.1	2
68	Magnetic Resonance-visible Coating for Endovascular Device Visualization: Gadolinium(III)â€“Diethylenetriaminepentaacetic Acid-based Insoluble Polymer Coating. Chemistry Letters, 2010, 39, 1305-1306.	0.7	1
69	Temperature monitoring of Radiofrequency ablation with MR phase mapping. Journal of Microwave Surgery, 2000, 18, 127-131.	0.3	1
70	Non-invasive Temperature Imaging using Proton Magnetic Resonance: Present status and Future Prospect.. Thermal Medicine(Japanese Journal of Hyperthermic Oncology), 1996, 12, 129-139.	0.4	1
71	<title>Real-time monitoring and analysis of MR-guided laser ablation in an open-configuration MR system</title>. , 1998, 3245, 98.		0
72	Interventional MRI. Journal of Japan Society of Computer Aided Surgery, 2004, 6, 75-78.	0.1	0

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73	Navigation technique for MR-endoscope system using a wireless accelerometer-based remote control device. , 2013, 2013, 5698-701.		0
74	Noninvasive Temperature Monitoring. , 2016, , 397-420.		0
75	Intraluminal MRI Probe Using Small Size Variable Capacitor. Electronics and Communications in Japan, 2017, 100, 29-38.	0.3	0
76	Feasibility of Quantitative Mapping of Microscopic Cerebrospinal Fluid Motion Based on Q-space Imaging. , 2018, , .		0
77	Recent progress in non-invasive imaging of Internal body temperature using the water proton chemical shift.. Journal of Advanced Science, 2002, 14, 165-169.	0.1	0
78	Theoretical and Experimental Studies on the Transurethral Applicator for Thermal Treatment of Benign Prostatic Hyperplasia.. Thermal Medicine(Japanese Journal of Hyperthermic Oncology), 1997, 13, 223-232.	0.4	0
79	Intraluminal MRI Probe Using Small Size Variable Capacitor. IEEJ Transactions on Sensors and Micromachines, 2016, 136, 153-159.	0.0	0
80	Temperature measurement of intracranial cerebrospinal fluid using second-order motion compensation diffusion tensor imaging. Physics in Medicine and Biology, 2021, 66, 24NT01.	1.6	0