Haruo Isoda

List of Publications by Year
in descending order

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96 papers	1,977 citations	201674 27 h-index	302126 39 g-index
103 all docs	103 docs citations	103 times ranked	2349 citing authors

#	Article	IF	Citations
1	Comparison of hemodynamic stress in healthy vessels after parent artery occlusion and flow diverter stent treatment for internal carotid artery aneurysm. Journal of Neurosurgery, 2022, 136, 619-626.	1.6	5
2	Technical Background for 4D Flow MR Imaging. Magnetic Resonance in Medical Sciences, 2022, 21, 267-277.	2.0	9
3	Quality Control for 4D Flow MR Imaging. Magnetic Resonance in Medical Sciences, 2022, 21, 278-292.	2.0	6
4	Functional connector hubs in the cerebellum. NeuroImage, 2022, 257, 119263.	4.2	8
5	Haemodynamics in a patient-specific intracranial aneurysm according to experimental and numerical approaches: A comparison of PIV, CFD and PC-MRI. Technology and Health Care, 2021, 29, 253-267.	1.2	2
6	Bridging large-scale cortical networks: Integrative and function-specific hubs in the thalamus. IScience, 2021, 24, 103106.	4.1	13
7	Effects of Head Motion on the Evaluation of Age-related Brain Network Changes Using Resting State Functional MRI. Magnetic Resonance in Medical Sciences, 2021, 20, 338-346.	2.0	5
8	Resting State Networks Related to the Maintenance of Good Cognitive Performance During Healthy Aging. Frontiers in Human Neuroscience, 2021, 15, 753836.	2.0	1
9	Evaluation of magnetic resonance angiography as a possible alternative to rotational angiography or computed tomography angiography for assessing cerebrovascular computational fluid dynamics. Physical and Engineering Sciences in Medicine, 2020, 43, 1327-1337.	2.4	4
10	Identifying the brain's connector hubs at the voxel level using functional connectivity overlap ratio. NeuroImage, 2020, 222, 117241.	4.2	19
11	Aging Impacts the Overall Connectivity Strength of Regions Critical for Information Transfer Among Brain Networks. Frontiers in Aging Neuroscience, 2020, 12, 592469.	3.4	16
12	Optimal Plane Selection for Measuring Post-prandial Blood Flow Increase within the Superior Mesenteric Artery: Analysis Using 4D Flow and Computational Fluid Dynamics. Magnetic Resonance in Medical Sciences, 2020, 19, 366-374.	2.0	14
13	Assessing the Risk of Intracranial Aneurysm Rupture Using Morphological and Hemodynamic Biomarkers Evaluated from Magnetic Resonance Fluid Dynamics and Computational Fluid Dynamics. Magnetic Resonance in Medical Sciences, 2020, 19, 333-344.	2.0	14
14	Changes in white matter fiber density and morphology across the adult lifespan: A crossâ€sectional fixelâ€based analysis. Human Brain Mapping, 2020, 41, 3198-3211.	3.6	34
15	Abnormal Flow Dynamics Result in Low Wall Shear Stress and High Oscillatory Shear Index in Abdominal Aortic Dilatation: Initial <i>in vivo</i> Assessment with 4D-flow MRI. Magnetic Resonance in Medical Sciences, 2020, 19, 235-246.	2.0	22
16	Reorganization of brain networks and its association with general cognitive performance over the adult lifespan. Scientific Reports, 2019, 9, 11352.	3.3	66
17	Accuracy of the Flow Velocity and Three-directional Velocity Profile Measured with Three-dimensional Cine Phase-contrast MR Imaging: Verification on Scanners from Different Manufacturers. Magnetic Resonance in Medical Sciences, 2019, 18, 265-271.	2.0	11
18	Factors influencing blood flow resistance from a large internal carotid artery aneurysm revealed by a computational fluid dynamics model. Nagoya Journal of Medical Science, 2019, 81, 629-636.	0.3	1

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19	Hemodynamic vascular biomarkers for initiation of paraclinoid internal carotid artery aneurysms using patient-specific computational fluid dynamic simulation based on magnetic resonance imaging. Neuroradiology, 2018, 60, 545-555.	2.2	14
20	Myocardial motion analysis based on an optical flow method using tagged MR images. Radiological Physics and Technology, 2018, 11, 202-211.	1.9	1
21	Quantitative Analysis of Conebeam CT for Delineating Stents in Stent-Assisted Coil Embolization. American Journal of Neuroradiology, 2018, 39, 488-493.	2.4	7
22	An unbiased data-driven age-related structural brain parcellation for the identification of intrinsic brain volume changes over the adult lifespan. NeuroImage, 2018, 169, 134-144.	4.2	44
23	Influence of Spatial Resolution in Three-dimensional Cine Phase Contrast Magnetic Resonance Imaging on the Accuracy of Hemodynamic Analysis. Magnetic Resonance in Medical Sciences, 2017, 16, 311-316.	2.0	15
24	Low WSS and High OSI Measured by 3D Cine PC MRI Reflect High Pulmonary Artery Pressures in Suspected Secondary Pulmonary Arterial Hypertension. Magnetic Resonance in Medical Sciences, 2016, 15, 193-202.	2.0	18
25	Effectiveness of Disaster-prevention Technologies against Quake-induced Damage of MR Scanners during the Great East Japan Earthquake. Magnetic Resonance in Medical Sciences, 2016, 15, 246-247.	2.0	0
26	MR-based Computational Fluid Dynamics with Patient-specific Boundary Conditions for the Initiation of a Sidewall Aneurysm of a Basilar Artery. Magnetic Resonance in Medical Sciences, 2015, 14, 139-144.	2.0	8
27	Gel phantom study of a cryosurgical probe with a thermosiphon effect and liquid nitrogen-cooled aluminum thermal storage blocks. Nagoya Journal of Medical Science, 2015, 77, 399-407.	0.3	1
28	Visualization of White Matter Tracts Using a Non-Diffusion Weighted Magnetic Resonance Imaging Method: Does Intravenous Gadolinium Injection Four Hours Prior to the Examination Affect the Visualization of White Matter Tracts?. PLoS ONE, 2014, 9, e91860.	2.5	2
29	Accurate determination of patientâ€specific boundary conditions in computational vascular hemodynamics using 3D cine phaseâ€contrast MRI. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 1089-1103.	2.1	14
30	Hemodynamic Assessment of Celiaco-mesenteric Anastomosis in Patients with Pancreaticoduodenal Artery Aneurysm Concomitant with Celiac Artery Occlusion using Flow-sensitive Four-dimensional Magnetic Resonance Imaging. European Journal of Vascular and Endovascular Surgery, 2013, 46, 321-328.	1.5	43
31	A new automated assessment method for contrastâ€“detail images by applying support vector machine and its robustness to nonlinear image processing. Australasian Physical and Engineering Sciences in Medicine, 2013, 36, 313-322.	1.3	3
32	Establishing Normal Diameter Range of the Cochlear and Facial Nerves with 3D-CISS at 3T. Magnetic Resonance in Medical Sciences, 2013, 12, 241-247.	2.0	21
33	Contrast enhancement of the inner ear in magnetic resonance images taken at 10 minutes or 4 hours after intravenous gadolinium injection. Acta Oto-Laryngologica, 2012, 132, 241-246.	0.9	32
34	A case of paraspinal arteriovenous fistula in the lumbar spinal body assessed with time resolved threeâ€dimensional phase contrast MRI. Journal of Magnetic Resonance Imaging, 2012, 36, 1231-1233.	3.4	4
35	Magnetic resonance fluid dynamics for intracranial aneurysmsâ€”comparison with computed fluid dynamics. Acta Neurochirurgica, 2012, 154, 993-1001.	1.7	28
36	Anatomical Details of the Brainstem and Cranial Nerves Visualized by High Resolution Readout-segmented Multi-shot Echo-planar Diffusion-weighted Images using Unidirectional MPG at 3T. Magnetic Resonance in Medical Sciences, 2011, 10, 269-275.	2.0	31

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37	Magnetic Resonance Angiography of the Aorta. Annals of Vascular Diseases, 2011, 4, 271-285.	0.5	5
38	Metabolite alterations in the hippocampus of high-functioning adult subjects with autism. International Journal of Neuropsychopharmacology, 2010, 13, 529.	2.1	24
39	Comparison of hemodynamics of intracranial aneurysms between MR fluid dynamics using 3D cine phase-contrast MRI and MR-based computational fluid dynamics. Neuroradiology, 2010, 52, 913-920.	2.2	92
40	In vivo hemodynamic analysis of intracranial aneurysms obtained by magnetic resonance fluid dynamics (MRFD) based on time-resolved three-dimensional phase-contrast MRI. Neuroradiology, 2010, 52, 921-928.	2.2	75
41	Magnetic Resonance Imaging of the Medial Rectus Muscle of Patients with Consecutive Exotropia after Medial Rectus Muscle Recession. Ophthalmology, 2010, 117, 1876-1882.	5.2	23
42	466 Investigation on the relationship between morphology and internal flow property of aneurysm. The Proceedings of Conference of Tokai Branch, 2010, 2010.59, 261-262.	0.0	0
43	Numerical Validation of MR-Measurement-Integrated Simulation of Blood Flow in a Cerebral Aneurysm. Annals of Biomedical Engineering, 2009, 37, 1105-1116.	2.5	24
44	1606 Investigation of the rupture process of basilar artery aneurysm by numeric simulation and PIV measurement. The Proceedings of the Fluids Engineering Conference, 2009, 2009, 493-494.	0.0	0
45	Voxel-based structural magnetic resonance imaging (MRI) study of patients with early onset schizophrenia. Annals of General Psychiatry, 2008, 7, 25.	2.7	44
46	B206 Numerical Experiment of MR-Measurement-Integrated Simulation of Unsteady Blood Flow in a Cerebral Aneurysm. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2008, 2008.19, 52-53.	0.0	0
47	315 Investigation of the rupture process of cerebral aneurysm by measurements of the unsteady flow field in the realistic cerebral aneurysm model using the PIV. The Proceedings of Conference of Tokai Branch, 2008, 2008.57, 213-214.	0.0	0
48	122 MR-Measurement-Integrated Simulation of Blood Flow in a Cerebral Aneurysm. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2008, 2007.20, 251-252.	0.0	0
49	Numerical Experiment of MR-Measurement-Integrated Simulation of Steady Blood Flow in a Cerebral Aneurysm. , 2008, , .		1
50	Measurement of Blood Flow in the Left Ventricle and Aorta Using Clinical 2D Cine Phase-Contrast Magnetic Resonance Imaging. Journal of Biomechanical Science and Engineering, 2007, 2, 46-57.	0.3	10
51	Visualization of hemodynamics in intracranial arteries using time-resolved three-dimensional phase-contrast MRI. Journal of Magnetic Resonance Imaging, 2007, 25, 473-478.	3.4	64
52	Contrast-enhanced three-dimensional MR angiography with an elliptical centric view for the evaluation of intracranial aneurysms. European Radiology, 2007, 17, 1221-1225.	4.5	3
53	Visualization of Spinal Cord Motion Associated With the Cardiac Pulse by Tagged Magnetic Resonance Imaging With Particle Image Velocimetry Software. Journal of Computer Assisted Tomography, 2006, 30, 111-115.	0.9	5
54	A transient lesion in splenium of the corpus callosum in a patient with childhood-onset anorexia nervosa. International Journal of Eating Disorders, 2006, 39, 527-529.	4.0	7

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55	1502 Measurement of unsteady flow in the realistic cerebral aneurysm model and the prediction of rupture of aneurysm(1). The Proceedings of the Fluids Engineering Conference, 2006, 2006, _1502-a_.	0.0	0
56	1502 Measurement of unsteady flow in the realistic cerebral aneurysm model and the prediction of rupture of aneurysm(2). The Proceedings of the Fluids Engineering Conference, 2006, 2006, _1502-1_-_1502-4_.	0.0	0
57	Magnetic Resonance Imaging Findings of Angiosarcoma of the Scalp. Journal of Computer Assisted Tomography, 2005, 29, 858-862.	0.9	11
58	Quantitative Measurements on the Human Ascending Aortic Flow Using 2D Cine Phase-Contrast Magnetic Resonance Imaging. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2005, 48, 459-467.	0.3	12
59	Reversible Focal Splenial Lesion of the Corpus Callosum on MR Images in a Patient with Malnutrition. Magnetic Resonance in Medical Sciences, 2004, 3, 211-214.	2.0	12
60	Metabolite Alterations in Basal Ganglia Associated with Psychiatric Symptoms of Abstinent Toluene Users: A Proton MRS Study. Neuropsychopharmacology, 2004, 29, 1019-1026.	5.4	15
61	Application of independent component analysis to magnetic resonance imaging for enhancing the contrast of gray and white matter. NeuroImage, 2004, 21, 251-260.	4.2	46
62	Orthography effect on brain activities in the working memory process for phonologically ambiguous syllables: a functional magnetic resonance imaging study using Japanese speakers. Neuroscience Letters, 2003, 336, 50-54.	2.1	5
63	fMRI study of recognition of facial expressions in high-functioning autistic patients. NeuroReport, 2003, 14, 559-563.	1.2	99
64	Preliminary study of tagged MR image velocimetry in a replica of an intracranial aneurysm. American Journal of Neuroradiology, 2003, 24, 604-7.	2.4	6
65	Neural damage in the lenticular nucleus linked with tardive dyskinesia in schizophrenia: a preliminary study using proton magnetic resonance spectroscopy. Schizophrenia Research, 2002, 57, 273-279.	2.0	16
66	Metabolite Alterations in Basal Ganglia Associated with Methamphetamine-related Psychiatric Symptoms A Proton MRS Study. Neuropsychopharmacology, 2002, 27, 453-461.	5.4	77
67	Pre-processing for segmentation using independent component analysis. NeuroImage, 2001, 13, 207.	4.2	1
68	Dynamic gadolinium-enhanced MR imaging of pituitary adenomas: usefulness of sequential sagittal and coronal plane images. European Journal of Radiology, 2001, 39, 139-146.	2.6	41
69	Ideographic characters call for extra processing to correspond with phonemes. NeuroReport, 2001, 12, 2227-2230.	1.2	20
70	BOLD Contrast on a 3 T Magnet: Detectability of the Motor Areas. Journal of Computer Assisted Tomography, 2001, 25, 436-445.	0.9	11
71	Long-term Audiological Feature in Pendred Syndrome Caused by PDS Mutation. JAMA Otolaryngology, 2001, 127, 705.	1.2	22
72	Assessment of Gadolinium-Enhanced Time-Resolved Three-Dimensional MR Angiography for Evaluating Renal Artery Stenosis. American Journal of Roentgenology, 2001, 176, 1213-1219.	2.2	35

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73	Vasospasms Are Characteristic in Cases with Eclampsia/Preeclampsia and HELLP Syndrome: Proposal of an Angiospastic Syndrome of Pregnancy. Seminars in Thrombosis and Hemostasis, 2001, 27, 131-136.	2.7	38
74	The effects of listening comprehension of various genres of literature on response in the linguistic area. NeuroReport, 2000, 11, 1141-1143.	1.2	31
75	Post-stimulus response in hemodynamics observed by functional magnetic resonance imagingâ€"difference between the primary sensorimotor area and the supplementary motor area. Magnetic Resonance Imaging, 2000, 18, 1215-1219.	1.8	14
76	Software-Triggered Contrast-Enhanced Three-Dimensional MR Angiography of the Intracranial Arteries. American Journal of Roentgenology, 2000, 174, 371-375.	2.2	16
77	Dynamic MR Dacryocystography. American Journal of Roentgenology, 2000, 175, 469-473.	2.2	24
78	Proton magnetic resonance spectroscopy of lenticular nuclei in simple schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2000, 24, 507-519.	4.8	17
79	Dissociation of writing processes: functional magnetic resonance imaging during writing of Japanese ideographic characters. Cognitive Brain Research, 2000, 9, 281-286.	3.0	28
80	MRA of Intracranial Aneurysm Models: A Comparison of Contrast-Enhanced Three-Dimensional MRA with Time-of-Flight MRA. Journal of Computer Assisted Tomography, 2000, 24, 308-315.	0.9	38
81	Proton magnetic resonance spectroscopy of lenticular nuclei in obsessiveâ€"compulsive disorder. Psychiatry Research - Neuroimaging, 1999, 92, 83-91.	1.8	29
82	Magnetic resonance cisternography used to determine precise topography of the facial nerve and three components of the eighth cranial nerve in the internal auditory canal and cerebellopontine cistern. Journal of Neurosurgery, 1999, 90, 624-634.	1.6	29
83	Involvement of motor cortices in retrieval of kanji studied by functional MRI. NeuroReport, 1999, 10, 1335-1339.	1.2	33
84	Functional Magnetic Resonance Imaging of the Eye Tracking Test.. Equilibrium Research, 1999, 58, 657-662.	0.1	0
85	Proton magnetic resonance spectroscopy of the lenticular nuclei in bipolar I affective disorder. Psychiatry Research - Neuroimaging, 1998, 84, 55-60.	1.8	79
86	Case Report Antenatal Diagnosis of Chorioangioma of the Placenta: MR Features. Journal of Computer Assisted Tomography, 1996, 20, 413-416.	0.9	18
87	Pseudodynamic Imaging of the Temporomandibular Joint: SE Versus GE Sequences. Journal of Computer Assisted Tomography, 1996, 20, 448-454.	0.9	5
88	MRI of Dumbbell-Shaped Spinal Tumors. Journal of Computer Assisted Tomography, 1996, 20, 573-582.	0.9	22
89	Torsion of the Wandering Spleen. Journal of Computer Assisted Tomography, 1995, 19, 84-86.	0.9	48
90	Clinical Evaluation of Pulmonary 3D Time-of-Flight MR A with Breath Holding Using Contrast Media. Journal of Computer Assisted Tomography, 1995, 19, 911-919.	0.9	28

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91	Pulmonary MR Angiography. Journal of Computer Assisted Tomography, 1994, 18, 402-407.	0.9	3
92	Effects of Meal Intake on the Flow Velocity in the Superior Mesenteric Artery. Journal of Computer Assisted Tomography, 1994, 18, 590-595.	0.9	5
93	Magnetic Resonance Imaging Angiography in a Case of Eclampsia. Gynecologic and Obstetric Investigation, 1993, 36, 56-58.	1.6	45
94	MRI of Postoperative Maxillary Cysts. Journal of Computer Assisted Tomography, 1993, 17, 572-575.	0.9	7
95	MRI of Intracranial Neurovascular Compression. Journal of Computer Assisted Tomography, 1992, 16, 503-505.	0.9	56
96	MR Angiography of Thoracic Outlet Syndrome. Journal of Computer Assisted Tomography, 1992, 16, 475-477.	0.9	20