Jinsoo Uh

List of Publications by Year
in descending order

45 papers	1,817 citations	394286 19 h-index	276775 41 g-index
46 all docs	46 docs citations	46 times ranked	3043 citing authors

#	Article	IF	Citations
1	Facilitating MR-Guided Adaptive Proton Therapy in Children Using Deep Learning-Based Synthetic CT. International Journal of Particle Therapy, 2022, 8, 11-20.	0.9	6
2	Toward MR‐only proton therapy planning for pediatric brain tumors: Synthesis of relative proton stopping power images with multiple sequence MRI and development of an online quality assurance tool. Medical Physics, 2022, 49, 1559-1570.	1.6	6
3	Accuracy of stopping power ratio calculation and experimental validation of proton range with dual-layer computed tomography. Acta Oncológica, 2022, 61, 864-868.	0.8	0
4	Adaptive Proton Therapy for Pediatric Patients: Improving the Quality of the Delivered Plan With On-Treatment MRI. International Journal of Radiation Oncology Biology Physics, 2021, 109, 242-251.	0.4	13
5	Diffusion Tensor Imaging-Based Analysis of Baseline Neurocognitive Function and Posttreatment White Matter Changes in Pediatric Patients With Craniopharyngioma Treated With Surgery and Proton Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 109, 515-526.	0.4	7
6	Noncontrast assessment of blood–brain barrier permeability to water: Shorter acquisition, test–retest reproducibility, and comparison with contrast‐based method. Magnetic Resonance in Medicine, 2021, 86, 143-156.	1.9	16
7	Transfer learning-based synthetic CT generation for MR-only proton therapy planning in children with pelvic sarcomas. , 2021, , .		2
8	Training a deep neural network coping with diversities in abdominal and pelvic images of children and young adults for CBCT-based adaptive proton therapy. Radiotherapy and Oncology, 2021, 160, 250-258.	0.3	12
9	Effects of age-related breathing characteristics on the performance of four-dimensional magnetic resonance imaging reconstructed by prospective gating for radiation therapy planning. Physics and Imaging in Radiation Oncology, 2019, 11, 82-87.	1.2	1
10	Technical Note: Feasibility of MRI‐based estimation of water‐equivalent path length to detect changes in proton range during treatment courses. Medical Physics, 2018, 45, 1677-1683.	1.6	7
11	Clinical Implementation of Magnetic Resonance Imaging Systems for Simulation and Planning of Pediatric Radiation Therapy. Journal of Medical Imaging and Radiation Sciences, 2018, 49, 153-163.	0.2	6
12	Posttreatment DSC-MRI is Predictive of Early Treatment Failure in Children with Supratentorial High-Grade Glioma Treated with Erlotinib. Clinical Neuroradiology, 2018, 28, 393-400.	1.0	6
13	Interplay Effect of Target Motion and Pencil-Beam Scanning in Proton Therapy for Pediatric Patients. International Journal of Particle Therapy, 2018, 5, 1-10.	0.9	12
14	Advances in Magnetic Resonance Imaging for Radiation Oncology. , 2018, , 19-47.		0
15	Quantification of Pediatric Abdominal Organ Motion With a 4-Dimensional Magnetic Resonance Imaging Method. International Journal of Radiation Oncology Biology Physics, 2017, 99, 227-237.	0.4	24
16	Four-dimensional MRI using an internal respiratory surrogate derived by dimensionality reduction. Physics in Medicine and Biology, 2016, 61, 7812-7832.	1.6	18
17	The influence of mild carbon dioxide on brain functional homotopy using resting‐state fMRI. Human Brain Mapping, 2015, 36, 3912-3921.	1.9	26
18	Effects of Surgery and Proton Therapy on Cerebral White Matter of Craniopharyngioma Patients. International Journal of Radiation Oncology Biology Physics, 2015, 93, 64-71.	0.4	20

#	Article	IF	Citations
19	MRI-based treatment planning with pseudo CT generated through atlas registration. Medical Physics, 2014, 41, 051711.	1.6	144
20	Dependence of blood T_2 on oxygenation at 7 T: In vitro calibration and in vivo application. Magnetic Resonance in Medicine, 2014, 71, 2035-2042.	1.9	30
21	A Nonparametric Approach for Determining NMR Relaxation Distributions. Transport in Porous Media, 2014, 105, 141-170.	1.2	1
22	A randomized, placebo-controlled proof-of-concept, crossover trial of phenytoin for hydrocortisone-induced declarative memory changes. Journal of Affective Disorders, 2013, 150, 551-558.	2.0	11
23	Differences in Brainstem Fiber Tract Response to Radiation: A Longitudinal Diffusion Tensor Imaging Study. International Journal of Radiation Oncology Biology Physics, 2013, 86, 292-297.	0.4	31
24	Alterations in resting functional connectivity due to recent motor task. NeuroImage, 2013, 78, 316-324.	2.1	71
25	Masters athletes exhibit larger regional brain volume and better cognitive performance than sedentary older adults. Journal of Magnetic Resonance Imaging, 2013, 38, 1169-1176.	1.9	75
26	Determining Hydraulic Permeability Distributions in Cancellous Bone. International Journal of Life Science and Medical Research, 2013, 3, 139-147.	0.2	1
27	Forebrain-dominant deficit in cerebrovascular reactivity in Alzheimer's disease. Neurobiology of Aging, 2012, 33, 75-82.	1.5	98
28	Regional changes of cortical mean diffusivities with aging after correction of partial volume effects. NeuroImage, 2012, 62, 1705-1716.	2.1	27
29	On improving the speed and reliability of T_2‐relaxation‐under‐spin‐tagging (TRUST) MRI. Magnetic Resonance in Medicine, 2012, 68, 198-204.	1.9	54
30	Comparison of relative cerebral blood flow maps using pseudo‐continuous arterial spin labeling and single photon emission computed tomography. NMR in Biomedicine, 2012, 25, 779-786.	1.6	25
31	White matter cerebral blood flow is inversely correlated with structural and functional connectivity in the human brain. NeuroImage, 2011, 56, 1145-1153.	2.1	35
32	Life-Long Aerobic Training Preserves White Matter Integrity: A First Look in the Masters Athlete's Brain. Medicine and Science in Sports and Exercise, 2011, 43, 127.	0.2	1
33	The Influence of Carbon Dioxide on Brain Activity and Metabolism in Conscious Humans. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 58-67.	2.4	253
34	Determining Spatial Distributions of Permeability. Transport in Porous Media, 2011, 86, 385-414.	1.2	8
35	Determination of spin compartment in arterial spin labeling MRI. Magnetic Resonance in Medicine, 2011, 65, 120-127.	1.9	57
36	Validation of VASO cerebral blood volume measurement with positron emission tomography. Magnetic Resonance in Medicine, 2011, 65, 744-749.	1.9	19

#	Article	IF	Citations
37	Alterations in Cerebral Metabolic Rate and Blood Supply across the Adult Lifespan. Cerebral Cortex, 2011, 21, 1426-1434.	1.6	311
38	In vivo vascular hallmarks of diffuse leukoaraiosis. Journal of Magnetic Resonance Imaging, 2010, 32, 184-190.	1.9	54
39	Estimation of labeling efficiency in pseudocontinuous arterial spin labeling. Magnetic Resonance in Medicine, 2010, 63, 765-771.	1.9	216
40	Measurement of N‐acetylaspartylglutamate in the human frontal brain by [1]H‐MRS at 7 T. Magnetic Resonance in Medicine, 2010, 64, 1247-1251.	1.9	43
41	Cerebral blood volume in Alzheimer's disease and correlation with tissue structural integrity. Neurobiology of Aging, 2010, 31, 2038-2046.	1.5	19
42	On the measurement of absolute cerebral blood volume (CBV) using vascular‐space‐occupancy (VASO) MRI. Magnetic Resonance in Medicine, 2009, 61, 659-667.	1.9	20
43	Nuclear Magnetic Resonance Determination of Surface Relaxivity in Permeable Media. Industrial & Engineering Chemistry Research, 2004, 43, 3026-3032.	1.8	20
44	NMR determination of porous media property distributions. Annual Reports on NMR Spectroscopy, 2002, 48, 113-144.	0.7	11
45	Vascular space occupancy (VASO) imaging of cerebral blood volume. , 0, , 89-102.		0