

Yi-Jui Liu

List of Publications by Year in descending order

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48
papers

965
citations

430843

18
h-index

454934

30
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50
all docs

50
docs citations

50
times ranked

1500
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-shot Diffusion-Weighted MRI With Multiplexed Sensitivity Encoding (MUSE) in the Assessment of Active Inflammation in Crohn's Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 126-137.	3.4	9
2	Improving diagnosing performance for malignant parotid gland tumors using machine learning with multifeatures based on diffusion-weighted magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2022, 35, e4642.	2.8	2
3	Common Subtype of Small Renal Mass MR Imaging Characterisation: A Medical Center Experience in Taiwan. <i>Journal of Medical and Biological Engineering</i> , 2022, 42, 87-97.	1.8	1
4	Improving interobserver agreement and performance of deep learning models for segmenting acute ischemic stroke by combining DWI with optimized ADC thresholds. <i>European Radiology</i> , 2022, 32, 5371-5381.	4.5	6
5	Classification of parotid gland tumors by using multimodal MRI and deep learning. <i>NMR in Biomedicine</i> , 2021, 34, e4408.	2.8	35
6	Quantifying lumbar vertebral perfusion by a Tofts model on DCE-MRI using segmental versus aortic arterial input function. <i>Scientific Reports</i> , 2021, 11, 2920.	3.3	2
7	Editorial for "Cortical Bone Mechanical Assessment via Free Water Relaxometry at 3T". <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1752-1753.	3.4	0
8	Gender interactions between vertebral bone mineral density and fat content in the elderly: Assessment using fat-water MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1382-1389.	3.4	10
9	Imaging quality of PROPELLER diffusion-weighted MR imaging and its diagnostic performance in distinguishing pleomorphic adenomas from Warthin tumors of the parotid gland. <i>NMR in Biomedicine</i> , 2020, 33, e4282.	2.8	9
10	Application of a commercial single-port device for robotic single-incision distal pancreatectomy: initial experience. <i>Surgery Today</i> , 2018, 48, 680-686.	1.5	9
11	Manipulating the Temperature of Sulfurization to Synthesize NiS Nanosphere Film for Long-Term Preservation of Non-enzymatic Glucose Sensors. <i>Nanoscale Research Letters</i> , 2018, 13, 109.	5.7	4
12	Proton change of parotid glands after gustatory stimulation examined by magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2018, 31, e3885.	2.8	1
13	Are bone marrow obesity and ischemia related to osteoporosis in older adults?. <i>Osteoporosis and Sarcopenia</i> , 2017, 3, S49-S50.	1.9	0
14	EZH2 in Cancer Progression and Potential Application in Cancer Therapy: A Friend or Foe?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1172.	4.1	73
15	Influence of amplitude-related perfusion parameters in the parotid glands by non-fat-saturated dynamic contrast-enhanced magnetic resonance imaging. <i>Medical Physics</i> , 2016, 43, 1873-1881.	3.0	2
16	Prevalence of Osteoporosis and Low Bone Mass in Older Chinese Population Based on Bone Mineral Density at Multiple Skeletal Sites. <i>Scientific Reports</i> , 2016, 6, 25206.	3.3	38
17	Evaluating Instantaneous Perfusion Responses of Parotid Glands to Gustatory Stimulation Using High-Temporal-Resolution Echo-Planar Diffusion-Weighted Imaging. <i>American Journal of Neuroradiology</i> , 2016, 37, 1909-1915.	2.4	5
18	Fabrication of Periodic 3D Nanostructuring for Optical Surfaces by Holographic Two-Photon-Polymerization. <i>International Journal of Information and Electronics Engineering</i> , 2016, 6, 151-154.	0.2	1

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19	Temporal Evolution of Parotid Volume and Parotid Apparent Diffusion Coefficient in Nasopharyngeal Carcinoma Patients Treated by Intensity-Modulated Radiotherapy Investigated by Magnetic Resonance Imaging: A Pilot Study. PLoS ONE, 2015, 10, e0137073.	2.5	24
20	Laser direct writing 3D structures for microfluidic channels: flow meter and mixer. , 2015, , .		3
21	A simple and direct reading flow meter fabricated by two-photon polymerization for microfluidic channel. Microfluidics and Nanofluidics, 2015, 18, 427-431.	2.2	28
22	A Potential Risk of Overestimating Apparent Diffusion Coefficient in Parotid Glands. PLoS ONE, 2015, 10, e0124118.	2.5	12
23	Laser-induced cross-linking GFP-AcmA ² bioprobe for screening Gram-positive bacteria on a biochip. RSC Advances, 2014, 4, 62882-62887.	3.6	3
24	Intracerebral Implantation of Autologous Peripheral Blood Stem Cells in Stroke Patients: A Randomized Phase II Study. Cell Transplantation, 2014, 23, 1599-1612.	2.5	85
25	Effects of gender, age, and body mass index on fat contents and apparent diffusion coefficients in healthy parotid glands: an MRI evaluation. European Radiology, 2014, 24, 2069-2076.	4.5	30
26	Measuring steady-state cerebral vasomotor reactivity using non-triggered phase-contrast magnetic resonance imaging. Magnetic Resonance Imaging, 2014, 32, 487-490.	1.8	0
27	Hematoma Shape, Hematoma Size, Glasgow Coma Scale Score and ICH Score: Which Predicts the 30-Day Mortality Better for Intracerebral Hematoma?. PLoS ONE, 2014, 9, e102326.	2.5	42
28	Parotid perfusion in nasopharyngeal carcinoma patients in early-to-intermediate stage after low-dose intensity-modulated radiotherapy: Evaluated by fat-saturated dynamic contrast-enhanced magnetic resonance imaging. Magnetic Resonance Imaging, 2013, 31, 1278-1284.	1.8	9
29	Reproducibility of corticospinal diffusion tensor tractography in normal subjects and hemiparetic stroke patients. European Journal of Radiology, 2013, 82, e610-e616.	2.6	19
30	Parotid Fat Contents in Healthy Subjects Evaluated with Iterative Decomposition with Echo Asymmetry and Least Squares Fat-Water Separation. Radiology, 2013, 267, 918-923.	7.3	16
31	New biodiagnostics based on optical tweezers: typing red blood cells, and identification of drug resistant bacteria. Proceedings of SPIE, 2013, , .	0.8	0
32	Optically Driven Mobile Integrated Micro-Tools for a Lab-on-a-Chip. Actuators, 2013, 2, 19-26.	2.3	11
33	Optically Driven Gear-Based Mechanical Microtransducer for a Lab-on-a-Chip. Journal of Neuroscience and Neuroengineering, 2013, 2, 58-60.	0.2	3
34	The cerebral vasomotor response in varying CO ₂ concentrations, as evaluated using cine phase contrast MRI: Flow, volume, and cerebrovascular resistance indices. Medical Physics, 2012, 39, 6534-6541.	3.0	5
35	Preliminary study of lever-based optical driven micro-actuator. , 2012, , .		3
36	Consistency of breast density measured from the same women in four different MR scanners. Medical Physics, 2012, 39, 4886-4895.	3.0	8

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37	Multiplying optical tweezers force using a micro-lever. <i>Optics Express</i> , 2011, 19, 20604.	3.4	33
38	Relationship of Idiopathic Osteonecrosis of the Femoral Head to Perfusion Changes in the Proximal Femur by Dynamic Contrast-Enhanced MRI. <i>American Journal of Roentgenology</i> , 2011, 196, 637-643.	2.2	42
39	Recurrent Pain After Percutaneous Vertebroplasty. <i>American Journal of Roentgenology</i> , 2010, 194, 1323-1329.	2.2	24
40	Intervertebral Disk Degeneration Related to Reduced Vertebral Marrow Perfusion at Dynamic Contrast-Enhanced MRI. <i>American Journal of Roentgenology</i> , 2009, 192, 974-979.	2.2	25
41	Perfusion characteristics of late radiation injury of parotid glands: quantitative evaluation with dynamic contrast-enhanced MRI. <i>European Radiology</i> , 2009, 19, 94-102.	4.5	45
42	Volume-dependent overestimation of spontaneous intracerebral hematoma volume by the ABC/2 formula. <i>Acta Radiologica</i> , 2009, 50, 306-311.	1.1	44
43	T2 measurement of the human myocardium using aT2-prepared transient-state trueFISP sequence. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 960-966.	3.0	114
44	Tensor deflection (TEND) tractography with adaptive subvoxel stepping. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 451-458.	3.4	9
45	Acute putaminal necrosis and white matter demyelination in a child with subnormal copper metabolism in Wilson disease: MR imaging and spectroscopic findings. <i>Neuroradiology</i> , 2005, 47, 401-405.	2.2	21
46	Supratentorial Cerebrospinal Fluid Production Rate in Healthy Adults: Quantification with Two-dimensional Cine Phase-Contrast MR Imaging with High Temporal and Spatial Resolution. <i>Radiology</i> , 2004, 233, 603-608.	7.3	74
47	Neuronal Damage after Ischemic Injury in the Middle Cerebral Arterial Territory: Deep Watershed versus Territorial Infarction at MR Perfusion and Spectroscopic Imaging. <i>Radiology</i> , 2003, 229, 366-374.	7.3	16
48	A Reinvestigation of Maximal Signal Drop in Dynamic Susceptibility Contrast Magnetic Resonance Imaging. <i>Journal of Neuroimaging</i> , 2002, 12, 330-338.	2.0	10