

# Ting-Yim Lee

## List of Publications by Year in descending order

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57  
papers

1,539  
citations

430442

18  
h-index

315357

38  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2055  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adiabatic Approximation to the Tissue Homogeneity Model for Water Exchange in the Brain: I. Theoretical Derivation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 1365-1377.	2.4	373
2	Hemorrhagic Transformation of Ischemic Stroke: Prediction with CT Perfusion. <i>Radiology</i> , 2009, 250, 867-877.	3.6	152
3	Simultaneous MRI measurement of blood flow, blood volume, and capillary permeability in mammary tumors using two different contrast agents. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 991-1003.	1.9	128
4	Impact of new technologies on dose reduction in CT. <i>European Journal of Radiology</i> , 2010, 76, 28-35.	1.2	97
5	Correlation between Hepatic Tumor Blood Flow and Glucose Utilization in a Rabbit Liver Tumor Model. <i>Radiology</i> , 2006, 239, 740-750.	3.6	60
6	Non-invasive assessment of functionally relevant coronary artery stenoses with quantitative CT perfusion: preliminary clinical experiences. <i>European Radiology</i> , 2012, 22, 39-50.	2.3	54
7	Assessment of a multi-layered diffuse correlation spectroscopy method for monitoring cerebral blood flow in adults. <i>Biomedical Optics Express</i> , 2016, 7, 3659.	1.5	47
8	Quantitative myocardial perfusion measurement using CT Perfusion: a validation study in a porcine model of reperfused acute myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 1237-1248.	0.7	43
9	Hepatic perfusion in a tumor model using DCE-CT: an accuracy and precision study. <i>Physics in Medicine and Biology</i> , 2008, 53, 4249-4267.	1.6	40
10	Dynamic contrast enhanced CT aiding gross tumor volume delineation of liver tumors: An interobserver variability study. <i>Radiotherapy and Oncology</i> , 2014, 111, 153-157.	0.3	34
11	Assessment of the best flow model to characterize diffuse correlation spectroscopy data acquired directly on the brain. <i>Biomedical Optics Express</i> , 2015, 6, 4288.	1.5	34
12	Quantitative myocardial CT perfusion: a pictorial review and the current state of technology development. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 467-481.	0.7	32
13	Low dose CT perfusion in acute ischemic stroke. <i>Neuroradiology</i> , 2014, 56, 1055-1062.	1.1	32
14	Low Birth Weight Male Guinea Pig Offspring Display Increased Visceral Adiposity in Early Adulthood. <i>PLoS ONE</i> , 2014, 9, e98433.	1.1	30
15	Quantifying cerebral blood flow in an adult pig ischemia model by a depth-resolved dynamic contrast-enhanced optical method. <i>NeuroImage</i> , 2014, 94, 303-311.	2.1	27
16	Quantification of blood-brain barrier permeability by dynamic contrast-enhanced NIRS. <i>Scientific Reports</i> , 2017, 7, 1702.	1.6	26
17	Improved light collection and wavelet de-noising enable quantification of cerebral blood flow and oxygen metabolism by a low-cost, off-the-shelf spectrometer. <i>Journal of Biomedical Optics</i> , 2014, 19, 057007.	1.4	22
18	Dynamic perfusion CT in brain tumors. <i>European Journal of Radiology</i> , 2015, 84, 2386-2392.	1.2	22

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19	CT Perfusion as an Early Biomarker of Treatment Efficacy in Advanced Ovarian Cancer: An ACRIN and GOG Study. <i>Clinical Cancer Research</i> , 2017, 23, 3684-3691.	3.2	20
20	The Effect of Scan Duration on the Measurement of Perfusion Parameters in CT Perfusion Studies of Brain Tumors. <i>Academic Radiology</i> , 2013, 20, 59-65.	1.3	18
21	Technical Note: Evaluation of a 160-mm/256-row CT scanner for whole-heart quantitative myocardial perfusion imaging. <i>Medical Physics</i> , 2016, 43, 4821-4832.	1.6	18
22	Monitoring brain temperature by time-resolved near-infrared spectroscopy: pilot study. <i>Journal of Biomedical Optics</i> , 2014, 19, 057005.	1.4	15
23	Subcutaneous administration of nimodipine improves bioavailability in rabbits. <i>Journal of Neuroscience Methods</i> , 2004, 139, 195-201.	1.3	14
24	Prediction and Reduction of Motion Artifacts in Free-Breathing Dynamic Contrast Enhanced CT Perfusion Imaging of Primary and Metastatic Intrahepatic Tumors. <i>Academic Radiology</i> , 2013, 20, 414-422.	1.3	13
25	Improving Quantitative CT Perfusion Parameter Measurements Using Principal Component Analysis. <i>Academic Radiology</i> , 2014, 21, 624-632.	1.3	11
26	Non-invasive monitoring of brain temperature by near-infrared spectroscopy. <i>Temperature</i> , 2015, 2, 31-32.	1.7	10
27	Functional CT assessment of extravascular contrast distribution volume and myocardial perfusion in acute myocardial infarction. <i>International Journal of Cardiology</i> , 2018, 266, 15-23.	0.8	10
28	Assessment of tumour response after stereotactic ablative radiation therapy for lung cancer: A prospective quantitative hybrid $^{18}\text{F}$ -fluorodeoxyglucose-positron emission tomography and CT perfusion study. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2019, 63, 94-101.	0.9	10
29	Characterization of 5-(2- $^{18}\text{F}$ -fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. <i>Fluorine-18 Research</i> , 2016, 5, 1851.	0.8	10
30	Assessment of contrast enhanced respiration managed cone-beam CT for image guided radiotherapy of intrahepatic tumors. <i>Medical Physics</i> , 2014, 41, 051905.	1.6	9
31	Western diet consumption through early life induces microvesicular hepatic steatosis in association with an altered metabolome in low birth weight Guinea pigs. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 219-233.	1.9	9
32	High-Frequency Ultrasound to Grade Disease Progression in Murine Models of Duchenne Muscular Dystrophy. <i>Journal of Ultrasound in Medicine</i> , 2009, 28, 707-716.	0.8	8
33	Anatomy-based algorithm for automatic segmentation of human diaphragm in noncontrast computed tomography images. <i>Journal of Medical Imaging</i> , 2016, 3, 046004.	0.8	8
34	Rapid and selective brain cooling method using vortex tube: A feasibility study. <i>American Journal of Emergency Medicine</i> , 2016, 34, 887-894.	0.7	8
35	Relationship of computed tomography perfusion and positron emission tomography to tumour progression in malignant glioma. <i>Journal of Medical Radiation Sciences</i> , 2014, 61, 4-13.	0.8	7
36	Coupling of cerebral blood flow and oxygen consumption during hypothermia in newborn piglets as measured by time-resolved near-infrared spectroscopy: a pilot study. <i>Neurophotonics</i> , 2015, 2, 035006.	1.7	7

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37	Joint blood flow is more sensitive to inflammatory arthritis than oxyhemoglobin, deoxyhemoglobin, and oxygen saturation. <i>Biomedical Optics Express</i> , 2016, 7, 3843.	1.5	7
38	Predicting pathological complete response (pCR) after stereotactic ablative radiation therapy (SABR) of lung cancer using quantitative dynamic [18F]FDG PET and CT perfusion: a prospective exploratory clinical study. <i>Radiation Oncology</i> , 2021, 16, 11.	1.2	7
39	Multimodality In Vivo Imaging of Perfusion and Glycolysis in a Rat Model of C6 Glioma. <i>Molecular Imaging and Biology</i> , 2021, 23, 516-526.	1.3	7
40	Evaluation of Four-Dimensional Computed Tomography as a Technique for Quantifying Carpal Motion. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	7
41	Assessment of intratumor hypoxia by integrated 18F-FDG PET / perfusion CT in a liver tumor model. <i>PLoS ONE</i> , 2017, 12, e0173016.	1.1	7
42	Detecting Degenerative Changes in Myotonic Murine Models of Duchenne Muscular Dystrophy Using High-Frequency Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2010, 29, 367-375.	0.8	6
43	Prospective Multicenter Study of Changes in MTT after Aneurysmal SAH and Relationship to Delayed Cerebral Ischemia in Patients with Good- and Poor-Grade Admission Status. <i>American Journal of Neuroradiology</i> , 2018, 39, 2027-2033.	1.2	6
44	CT Perfusion Techniques and Applications in Stroke and Cancer. , 2020, , 347-365.		6
45	Bloodâ€“brain barrier permeability in survivors of immune-mediated thrombotic thrombocytopenic purpura: a pilot study. <i>Blood Advances</i> , 2021, 5, 4211-4218.	2.5	4
46	Plasma radio-metabolite analysis of PET tracers for dynamic PET imaging: TLC and autoradiography. <i>EJNMMI Research</i> , 2020, 10, 141.	1.1	4
47	Quantitative low-dose rest and stress CT myocardial perfusion imaging with a whole-heart coverage scanner improves functional assessment of coronary artery disease. <i>IJC Heart and Vasculature</i> , 2019, 24, 100381.	0.6	3
48	Kinetic analysis of dominant intraprostatic lesion of prostate cancer using quantitative dynamic [18F]DCFPyL-PET: comparison to [18F]fluorocholine-PET. <i>EJNMMI Research</i> , 2021, 11, 2.	1.1	3
49	Technical Note: Volumetric computed tomography for radiotherapy simulation and treatment planning. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 295-302.	0.8	3
50	CT Perfusion Imaging as an Early Biomarker of Differential Response to Stereotactic Radiosurgery in C6 Rat Gliomas. <i>PLoS ONE</i> , 2014, 9, e109781.	1.1	3
51	Simultaneous MRI measurement of blood flow, blood volume, and capillary permeability in mammary tumors using two different contrast agents. , 2000, 12, 991.		2
52	Short-duration dynamic [18F]DCFPyL PET and CT perfusion imaging to localize dominant intraprostatic lesions in prostate cancer: validation against digital histopathology and comparison to [18F]DCFPyL PET/MR at 120 minutes. <i>EJNMMI Research</i> , 2021, 11, 107.	1.1	2
53	Low-dose CT Perfusion with Sparse-view Filtered Back Projection in Acute Ischemic Stroke. <i>Academic Radiology</i> , 2022, 29, 1502-1511.	1.3	1
54	Imaging Biomarkers in Prostate Stereotactic Body Radiotherapy: A Review and Clinical Trial Protocol. <i>Frontiers in Oncology</i> , 2022, 12, 863848.	1.3	1

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55	Effect of Cardiac Phase on Cardiac Output Index Derived from Dynamic CT Myocardial Perfusion Imaging. Tomography, 2022, 8, 1129-1140.	0.8	1
56	4D CT for Respiratory Gated Attenuation Corrections in Canine Cardiac PET Imaging. , 0, , .		0
57	Contrast Media in Computed Tomography Imaging. , 2013, , 25-67.		0