Yueh Z Lee

List of Publications by Year
in descending order

124 papers	2,293 citations	293460 24 h-index	274796 44 g-index
129 all docs	129 docs citations	129 times ranked	3262 citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of dual-energy CBCT by spectral filtration of a dual-focus CNT x-ray source. PLoS ONE, 2022, 17, e0262713.	1.1	3
2	Feasibility of a prototype carbon nanotube enabled stationary digital chest tomosynthesis system for identification of pulmonary nodules by pulmonologists. Journal of Thoracic Disease, 2022, 14, 257-268.	0.6	0
3	Volumetric imaging and reconstruction with stationary head CT system using carbon nanotube x-ray source arrays. , 2022, , .		0
4	Orthogonal tomosynthesis for whole body skeletal imaging enabled by carbon nanotube x-ray source array. , 2022, , .		0
5	Patient-specific scatter-corrected digital chest tomosynthesis in human subjects. , 2022, , .		0
6	Immune-Mediated Effects of Microplanar Radiotherapy with a Small Animal Irradiator. Cancers, 2022, 14, 155.	1.7	7
7	SARS-CoV-2 infection produces chronic pulmonary epithelial and immune cell dysfunction with fibrosis in mice. Science Translational Medicine, 2022, 14, .	5.8	55
8	Noninterpretive Uses of Artificial Intelligence in Radiology. Academic Radiology, 2021, 28, 1225-1235.	1.3	53
9	Comparison of single breath hyperpolarized ^{129}Xe MRI with dynamic ^{19}F MRI in cystic fibrosis lung disease. Magnetic Resonance in Medicine, 2021, 85, 1028-1038.	1.9	12
10	Point-of-Care Tomosynthesis Imaging of the Wrist. Military Medicine, 2021, 186, 745-750.	0.4	1
11	Evaluation of carbon nanotube x€ray source array for stationary head computed tomography. Medical Physics, 2021, 48, 1089-1099.	1.6	15
12	Rabbit Elastase Aneurysm: Imaging and Histology Correlates for Inflammation and Healing. World Neurosurgery, 2021, 148, e242-e251.	0.7	6
13	Repeated sinus CT imaging after recent head imaging. Clinical Imaging, 2021, 73, 57-60.	0.8	1
14	Perfusion Imaging: An Advection Diffusion Approach. IEEE Transactions on Medical Imaging, 2021, 40, 3424-3435.	5.4	3
15	Machine-Learning-Guided Discovery of ^{19}F MRI Agents Enabled by Automated Copolymer Synthesis. Journal of the American Chemical Society, 2021, 143, 17677-17689.	6.6	66
16	Comparative evaluation of tomosynthesis, computed tomography, and magnetic resonance imaging findings for metacarpophalangeal joints from equine cadavers. American Journal of Veterinary Research, 2021, 82, 872-879.	0.3	1
17	Simulation on system configuration for stationary head CT using linear carbon nanotube x-ray source arrays. Journal of Medical Imaging, 2021, 8, 052114.	0.8	1
18	Simulation on system configuration for stationary head CT using linear carbon nanotube x-ray source arrays. Journal of Medical Imaging, 2021, 8, 052114.	0.8	5

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19	Vascular Ultrasonography Analysis of the Steal Phenomena Following Common Carotid Artery Obstruction. Ultraschall in Der Medizin, 2020, 41, e3-e16.	0.8	1
20	Genetically modified macrophages accomplish targeted gene delivery to the inflamed brain in transgenic Parkin Q311X(A) mice: importance of administration routes. Scientific Reports, 2020, 10, 11818.	1.6	12
21	Computational methods for visualizing and measuring verapamil efficacy for cerebral vasospasm. Scientific Reports, 2020, 10, 18780.	1.6	2
22	Partially Fluorinated Copolymers as Oxygen Sensitive ^{19}F MRI Agents. Chemistry - A European Journal, 2020, 26, 9982-9990.	1.7	23
23	Feasibility of a stationary head CT scanner using a CNT x-ray source array. , 2020, , .		3
24	Dynamic perfluorinated gas MRI reveals abnormal ventilation despite normal FEV1 in cystic fibrosis. JCI Insight, 2020, 5, .	2.3	18
25	Work-in-Progress—Testing of a Virtual Patient: Linguistic and Display Engagement Findings. , 2020, , .		1
26	High intratumoral tryptophan metabolism is a poor predictor of response to pembrolizumab (pembro) in metastatic melanoma (MM): Results from a prospective trial using baseline C11-labeled alpha-methyl tryptophan (C11-AMT) PET imaging for response prediction.. Journal of Clinical Oncology, 2020, 38, 3556-3556.	0.8	3
27	Fluid Registration Between Lung CT and Stationary Chest Tomosynthesis Images. Lecture Notes in Computer Science, 2020, , 307-317.	1.0	3
28	Visualizing microcalcifications in lumpectomy specimens: an exploration into the clinical potential of carbon nanotube-enabled *stationary* digital breast tomosynthesis. Biomedical Physics and Engineering Express, 2019, 5, 045040.	0.6	1
29	Identifying the Critical Factors Governing Translaminar Pressure Differential Through a Compartmental Model. , 2019, 60, 3204.		7
30	GDNF-expressing macrophages restore motor functions at a severe late-stage, and produce long-term neuroprotective effects at an early-stage of Parkinson's disease in transgenic Parkin Q311X(A) mice. Journal of Controlled Release, 2019, 315, 139-149.	4.8	25
31	A Novel Porcine Model for the Study of Cerebrospinal Fluid Dynamics: Development and Preliminary Results. Frontiers in Neurology, 2019, 10, 1137.	1.1	8
32	Initial Clinical Experience with Stationary Digital Breast Tomosynthesis. Academic Radiology, 2019, 26, 1363-1372.	1.3	0
33	Evaluation of optic canal anatomy and symmetry using CT. BMJ Open Ophthalmology, 2019, 4, e000302.	0.8	9
34	*Cryptococcus deuterogattii* VGIIa Infection Associated with Travel to the Pacific Northwest Outbreak Region in an Anti-Granulocyte-Macrophage Colony-Stimulating Factor Autoantibody-Positive Patient in the United States. MBio, 2019, 10, .	1.8	28
35	Initial clinical evaluation of stationary digital chest tomosynthesis in adult patients with cystic fibrosis. European Radiology, 2019, 29, 1665-1673.	2.3	8
36	Tomosynthesis imaging of the wrist using a CNT x-ray source array. , 2019, , .		3

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37	Generating synthetic mammograms for stationary 3D mammography. , 2019, , .		2
38	Computational Methods for Measuring and Visualizing Vasospasm. , 2019, 80, .		0
39	Neurovascular Unit: Basic and Clinical Imaging with Emphasis on Advantages of Ferumoxytol. Neurosurgery, 2018, 82, 770-780.	0.6	35
40	An update on carbon nanotube–enabled X–ray sources for biomedical imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1475.	3.3	35
41	Translating New Imaging Technologies to Clinical Practice. Academic Radiology, 2018, 25, 3-8.	1.3	5
42	18F-3′-Deoxy-3′-Fluorothymidine Positron Emission Tomography Imaging for the Prediction of Acute Graft-Versus-Host Disease in Mouse Hematopoietic Stem Cell Transplant Models. Biology of Blood and Marrow Transplantation, 2018, 24, 2184-2189.	2.0	3
43	Phantom-based study exploring the effects of different scatter correction approaches on the reconstructed images generated by contrast-enhanced stationary digital breast tomosynthesis. Journal of Medical Imaging, 2018, 5, 1.	0.8	3
44	Initial clinical evaluation of gated stationary digital chest tomosynthesis. , 2018, , .		1
45	Image Sharing in Radiology—A Primer. Academic Radiology, 2017, 24, 286-294.	1.3	8
46	PET–MR Imaging in Head and Neck. Magnetic Resonance Imaging Clinics of North America, 2017, 25, 315-324.	0.6	8
47	Contrast enhanced imaging with a stationary digital breast tomosynthesis system. Proceedings of SPIE, 2017, , .	0.8	2
48	Pediatric Applications of Hybrid PET/MR Imaging. Magnetic Resonance Imaging Clinics of North America, 2017, 25, 367-375.	0.6	5
49	Hybrid PET/MR: State-of-the-Art and Future Challenges. Magnetic Resonance Imaging Clinics of North America, 2017, 25, xv-xvii.	0.6	1
50	Iodinated polyesters as a versatile platform for radiopaque biomaterials. Journal of Polymer Science Part A, 2017, 55, 2171-2177.	2.5	11
51	Second generation stationary digital breast tomosynthesis system with faster scan time and wider angular span. Medical Physics, 2017, 44, 4482-4495.	1.6	15
52	Estimating scatter from sparsely measured primary signal. Journal of Medical Imaging, 2017, 4, 013508.	0.8	4
53	First-in-Human Study of Acoustic Angiography in the Breast and Peripheral Vasculature. Ultrasound in Medicine and Biology, 2017, 43, 2939-2946.	0.7	17
54	Minibeam radiotherapy with small animal irradiators; *in vitro* and *in vivo* feasibility studies. Physics in Medicine and Biology, 2017, 62, 8924-8942.	1.6	26

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55	A method for evaluating the murine pulmonary vasculature using micro-computed tomography. Journal of Surgical Research, 2017, 207, 115-122.	0.8	24
56	Neurocognitive sparing of desktop microbeam irradiation. Radiation Oncology, 2017, 12, 127.	1.2	8
57	Comparison of Cerebral Blood Volume and Plasma Volume in Untreated Intracranial Tumors. PLoS ONE, 2016, 11, e0161807.	1.1	10
58	Use of Susceptibility-Weighted Imaging (SWI) in the Detection of Brain Hemorrhagic Metastases from Breast Cancer and Melanoma. Journal of Computer Assisted Tomography, 2016, 40, 803-805.	0.5	25
59	A new generation of stationary digital breast tomosynthesis system with wider angular span and faster scanning time. Proceedings of SPIE, 2016, , .	0.8	1
60	Sonographic Characterization of Arterial Dissections in Takayasu Arteritis. Journal of Ultrasound in Medicine, 2016, 35, 1177-1191.	0.8	9
61	Activity of trastuzumab-emtansine (TDM1) in HER2-positive breast cancer brain metastases: A case series. Cancer Treatment Communications, 2016, 7, 43-46.	0.4	36
62	Sonography and Transthoracic Echocardiography for Diagnosis of Systemic Cardiovascular Metastatic Tumor Thrombi. Journal of Ultrasound in Medicine, 2016, 35, 1993-2027.	0.8	4
63	Acoustic angiography: a new high frequency contrast ultrasound technique for biomedical imaging. Proceedings of SPIE, 2016, , .	0.8	0
64	Optical geometry calibration method for free-form digital tomosynthesis. Proceedings of SPIE, 2016, , .	0.8	1
65	Initial clinical evaluation of stationary digital chest tomosynthesis. , 2016, , .		2
66	Alternate Metabolic Programs Define Regional Variation of Relevant Biological Features in Renal Cell Carcinoma Progression. Clinical Cancer Research, 2016, 22, 2950-2959.	3.2	21
67	Stationary digital chest tomosynthesis for coronary artery calcium scoring. , 2016, , .		0
68	Patient-Specific Cranial Nerve Identification Using a Discrete Deformable Contour Model for Skull Base Neurosurgery Planning and Simulation. Lecture Notes in Computer Science, 2016, , 36-44.	1.0	1
69	Low dose scatter correction for digital chest tomosynthesis. , 2015, , .		1
70	Quantification of Microvascular Tortuosity during Tumor Evolution Using Acoustic Angiography. Ultrasound in Medicine and Biology, 2015, 41, 1896-1904.	0.7	104
71	Disseminated oligodendroglial-like leptomeningeal tumor with anaplastic progression and presumed extraneural disease: case report. Clinical Imaging, 2015, 39, 300-304.	0.8	19
72	Prospective gated chest tomosynthesis using CNT X-ray source array. Proceedings of SPIE, 2015, , .	0.8	1

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73	Initial clinical evaluation of stationary digital breast tomosynthesis. Proceedings of SPIE, 2015, , .	0.8	2
74	Feasibility study of the diagnosis and monitoring of cystic fibrosis in pediatric patients using stationary digital chest tomosynthesis. Proceedings of SPIE, 2015, , .	0.8	0
75	Efficacy of Carboplatin Alone and in Combination with ABT888 in Intracranial Murine Models of <i>BRCA</i>-Mutated and <i>BRCA</i>â€"Wild-Type Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2015, 14, 920-930.	1.9	62
76	Effects of raltegravir combined with tenofovir/emtricitabine on body shape, bone density, and lipids in African-Americans initiating HIV therapy. HIV Clinical Trials, 2015, 16, 163-169.	2.0	8
77	Probabilistic Air Segmentation and Sparse Regression Estimated Pseudo CT for PET/MR Attenuation Correction. Radiology, 2015, 275, 562-569.	3.6	27
78	Stationary chest tomosynthesis using a carbon nanotube x-ray source array: a feasibility study. Physics in Medicine and Biology, 2015, 60, 81-100.	1.6	34
79	Treating Brain Tumor with Microbeam Radiation Generated by a Compact Carbon-Nanotube-Based Irradiator: Initial Radiation Efficacy Study. Radiation Research, 2015, 184, 322.	0.7	16
80	Adapted fan-beam volume reconstruction for stationary digital breast tomosynthesis. , 2015, , .		6
81	Delayed Contrast Enhancement Imaging of a Murine Model for Ischemia Reperfusion with Carbon Nanotube Micro-CT. PLoS ONE, 2015, 10, e0115607.	1.1	3
82	Evaluation of imaging geometry for stationary chest tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	3
83	Breast tomosynthesis imaging configuration optimization based on computer simulation. Journal of Electronic Imaging, 2014, 23, 013017.	0.5	5
84	Nanotube x-ray for cancer therapy: a compact microbeam radiation therapy system for brain tumor treatment. Expert Review of Anticancer Therapy, 2014, 14, 1411-1418.	1.1	13
85	Image-guided microbeam irradiation to brain tumour bearing mice using a carbon nanotube x-ray source array. Physics in Medicine and Biology, 2014, 59, 1283-1303.	1.6	21
86	Comparison of a Stationary Digital Breast Tomosynthesis System to Magnified 2D Mammography Using Breast Tissue Specimens. Academic Radiology, 2014, 21, 1547-1552.	1.3	12
87	Slit3 Knockout Mice with Congenital Diaphragmatic Hernia Develop Pulmonary Arterial Hypertension and Abnormal Vascular Remodeling. Journal of the American College of Surgeons, 2014, 219, S72-S73.	0.2	0
88	Increased microcalcification visibility in lumpectomy specimens using a stationary digital breast tomosynthesis system. , 2014, , .		2
89	Physiologically gated micro-beam radiation therapy using electronically controlled field emission x-ray source array. , 2013, 8671, .		2
90	Noise power spectrum and modulation transfer function analysis of breast tomosynthesis imaging. Proceedings of SPIE, 2013, , .	0.8	0

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91	Stationary chest tomosynthesis using a CNT x-ray source array. Proceedings of SPIE, 2013, , .	0.8	10
92	Comparison of the diagnostic accuracy of stationary digital breast tomosynthesis to digital mammography with respect to lesion characterization in breast tissue biopsy specimens: a preliminary study. Proceedings of SPIE, 2013, , .	0.8	1
93	Feasibility of stationary digital breast tomosynthesis as an effective screening tool for patients with augmentation mammoplasty. Proceedings of SPIE, 2013, , .	0.8	0
94	Detection of Aortic Arch Calcification in Apolipoprotein Eâ€Null Mice Using Carbon Nanotubeâ€"Based Microâ€CT System. Journal of the American Heart Association, 2013, 2, e003358.	1.6	12
95	Rib Fractures and Death from Deletion of Osteoblast Î²catenin in Adult Mice Is Rescued by Corticosteroids. PLoS ONE, 2013, 8, e55757.	1.1	4
96	Non-contact respiration monitoring for<i>in-vivo</i>murine micro computed tomography: characterization and imaging applications. Physics in Medicine and Biology, 2012, 57, 5749-5763.	1.6	12
97	Prospective Respiratory Gated Carbon Nanotube Micro Computed Tomography. Academic Radiology, 2011, 18, 588-593.	1.3	15
98	Three-dimensional computed tomography for evaluation and management of children with complex chest wall anomalies: useful information or just pretty pictures?. Journal of Pediatric Surgery, 2011, 46, 640-647.	0.8	22
99	Carbon nanotube based X-ray sources: Applications in pre-clinical and medical imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S281-S283.	0.7	19
100	Imaging of myocardial infarction using carbon nanotube micro-computed tomography and delayed contrast enhancement. , 2011, , .		1
101	Carbon nanotube based respiratory gated micro-CT imaging of a murine model of lung tumors with optical imaging correlation. Proceedings of SPIE, 2011, , .	0.8	3
102	Prospectiveâ€gated cardiac microâ€CT imaging of freeâ€breathing mice using carbon nanotube field emission xâ€ray. Medical Physics, 2010, 37, 5306-5312.	1.6	46
103	Desktop micro-CT with a nanotube field emission x-ray source for high-resolution cardiac imaging. , 2010, , .		0
104	Linked exploratory visualizations for uncertain MR spectroscopy data. , 2010, 7530, .		6
105	Magnetic resonance imaging of guinea pig cochlea after vasopressin-induced or surgically induced endolymphatic hydrops. Otolaryngology - Head and Neck Surgery, 2010, 142, 260-265.	1.1	18
106	Matching Visual Saliency to Confidence in Plots of Uncertain Data. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 980-989.	2.9	55
107	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. Journal of X-Ray Science and Technology, 2009, 17, 295-303.	0.7	20
108	Evaluation of glyph-based multivariate scalar volume visualization techniques. , 2009, 2009, 61-68.		11

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109	Respiratory-gated micro-CT using a carbon nanotube based micro-focus field emission x-ray source. , 2008, , .		3
110	Asymmetrical ventricular enlargement in Parkinson's disease. Movement Disorders, 2007, 22, 1657-1660.	2.2	11
111	Carbon nanotube based microfocus field emission x-ray source for microcomputed tomography. Applied Physics Letters, 2006, 89, 103111.	1.5	147
112	Stationary scanning x-ray source based on carbon nanotube field emitters. Applied Physics Letters, 2005, 86, 184104.	1.5	171
113	Hemodynamic and permeability changes in posterior reversible encephalopathy syndrome measured by dynamic susceptibility perfusion-weighted MR imaging. American Journal of Neuroradiology, 2005, 26, 825-30.	1.2	92
114	Dynamic radiography using a carbon-nanotube-based field-emission x-ray source. Review of Scientific Instruments, 2004, 75, 3264-3267.	0.6	80
115	Heart to Heart: A Computerized Decision Aid for Assessment of Coronary Heart Disease Risk and the Impact of Risk-Reduction Interventions for Primary Prevention. Preventive Cardiology, 2004, 7, 26-33.	1.1	23
116	Statistical accuracy of a moving equivalent dipole method to identify sites of origin of cardiac electrical activation. IEEE Transactions on Biomedical Engineering, 2003, 50, 1360-1370.	2.5	24
117	Magnetic resonance cerebral metabolic rate of oxygen utilization in hyperacute stroke patients. Annals of Neurology, 2003, 53, 227-232.	2.8	100
118	Rapid Perfusion Abnormality Estimation in Acute Stroke With Temporal Correlation Analysis. Stroke, 2003, 34, 1686-1692.	1.0	6
119	Temporal Relationship Between Apparent Diffusion Coefficient and Absolute Measurements of Cerebral Blood Flow in Acute Stroke Patients. Stroke, 2003, 34, 64-70.	1.0	73
120	Apparent diffusion coefficient measurements in the hippocampi in patients with temporal lobe seizures. American Journal of Neuroradiology, 2003, 24, 1582-6.	1.2	36
121	Contrast-enhanced B-mode US angiography in the assessment of experimental in vivo and in vitro atherosclerotic disease. Academic Radiology, 2001, 8, 162-172.	1.3	43
122	Quantitative measurements of cerebral blood flow in patients with unilateral carotid artery occlusion: A PET and MR study. Journal of Magnetic Resonance Imaging, 2001, 14, 659-667.	1.9	107
123	Quantitative measurements of cerebral metabolic rate of oxygen utilization using MRI: a volunteer study. NMR in Biomedicine, 2001, 14, 441-447.	1.6	60
124	Comparison of Body Surface Potential and Laplacian Mapping with Epicardial Mapping for Detection of Cardiac Ischemia in Pigs. Annals of Noninvasive Electrocardiology, 1998, 3, 244-251.	0.5	5