Cheng-Ying Chou

List of Publications by Year
in descending order

50	509	687363 13	677142 22
papers	citations	h-index	g-index

50	50	50	683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Positron Emitter Depth Distribution in PMMA Irradiated With 130-MeV Protons Measured Using TOF-PET Detectors. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 345-354.	3.7	1
2	On Real-Time Detection of Line Sags in Overhead Power Grids Using an IoT-Based Monitoring System: Theoretical Basis, System Implementation, and Long-Term Field Verification. IEEE Internet of Things Journal, 2022, 9, 13096-13112.	8.7	10
3	Coronary CT angiography-based estimation of myocardial perfusion territories for coronary artery FFR and wall shear stress simulation. Scientific Reports, 2021, 11, 13855.	3.3	4
4	Effects of early ketamine exposure on cerebral gray matter volume and functional connectivity. Scientific Reports, 2020, 10, 15488.	3.3	14
5	A Novel Sensor Placement Strategy for an IoT-Based Power Grid Monitoring System. IEEE Internet of Things Journal, 2020, 7, 7773-7782.	8.7	29
6	Ultra-Short-Term Wind Speed Forecasting for Wind Power Based on Gated Recurrent Unit. , 2020, , .		8
7	An intelligent control strategy for energy storage systems in solar power generation based on long-short-term power prediction. , 2020, , .		3
8	An IoT-based Temperature Monitoring System for Underground Cable Tunnels. , 2019, , .		5
9	Toward a higher yield: a wireless sensor network-based temperature monitoring and fan-circulating system for precision cultivation in plant factories. Precision Agriculture, 2018, 19, 929-956.	6.0	15
10	Urban Area PM<inf>2.5</inf> Prediction with Machine Methods: An On-Board Monitoring System. , 2018, , .		2
11	A LoRa-Based Optimal Path Routing Algorithm for Smart Grid. , 2018, , .		5
12	Impact Assessment of Various Wind Speeds on Dynamic Thermal Rating of the Terrain-Located EHV Power Grids: A Case of Valley in Taiwan. IEEE Access, 2018, 6, 48311-48323.	4.2	4
13	Numerical modeling of nanodrug distribution in tumors with heterogeneous vasculature. PLoS ONE, 2017, 12, e0189802.	2.5	28
14	Quantification of signal detection performance degradation induced by phase-retrieval in propagation-based x-ray phase-contrast imaging. , 2016, , .		0
15	Attenuation and activity distributions in flat-panel TOF-PET estimated by the alternating-direction method of multipliers. , 2015, , .		0
16	Multi-modality image reconstruction with a runtime segmented anatomical prior. , 2015, , .		0
17	Effective Anatomical Priors for Emission Tomographic Reconstruction. Journal of Medical and Biological Engineering, 2015, 35, 52-61.	1.8	5
18	Accelerating image reconstruction in three-dimensional optoacoustic tomography on graphics processing units. Medical Physics, 2013, 40, 023301.	3.0	53

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19	Digital holographic microtomography for highâ€resolution refractive index mapping of live cells. Journal of Biophotonics, 2013, 6, 416-424.	2.3	53
20	A continuous-coordinate image reconstruction method for list-mode time-of-flight position emission tomography. , 2013, , .		0
21	TV-based DOI De-blurring model for the dual-head flat-panel PET system. , 2013, , .		0
22	Investigation of the Spatiotemporal Responses of Nanoparticles in Tumor Tissues with a Small-Scale Mathematical Model. PLoS ONE, 2013, 8, e59135.	2.5	14
23	Quantitative three-dimensional reconstruction of limited-angle experimental measurements in diffraction tomography. , 2012, , .		1
24	Time-of-flight image reconstruction with TV minimization constraint for a dual-head small animal PET system. , 2012, , .		0
25	Image reconstruction and signal detectability in dual-head small animal PET. , 2012, , .		0
26	FDOPA kinetics analysis in PET images for Parkinson's disease diagnosis by use of particle swarm optimization. , 2012, , .		8
27	Accelerating Image Reconstruction in Dual-Head PET System by GPU and Symmetry Properties. PLoS ONE, 2012, 7, e50540.	2.5	8
28	Analyzer-based phase-contrast x-ray imaging of carotid plaque microstructure. American Journal of Surgery, 2012, 204, 631-636.	1.8	4
29	Ultrasound sonication with microbubbles disrupts blood vessels and enhances tumor treatments of anticancer nanodrug. International Journal of Nanomedicine, 2012, 7, 2143.	6.7	43
30	A fast adaptive power scheme based on temperature distribution and convergence value for optimal hyperthermia treatment. Applied Thermal Engineering, 2012, 37, 103-111.	6.0	10
31	Image reconstruction in intravascular photoacoustic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2067-2077.	3.0	18
32	Image reconstruction in phase-contrast tomography exploiting the second-order statistical properties of the projection data. Optics Express, 2011, 19, 24396.	3.4	2
33	A fast forward projection using multithreads for multirays on GPUs in medical image reconstruction. Medical Physics, 2011, 38, 4052-4065.	3.0	44
34	Ultrafast image reconstruction of a dual-head PET system by use of CUDA architecture. , 2011, , .		1
35	Noise texture and signal detectability in propagationâ€based xâ€ray phaseâ€contrast tomography. Medical Physics, 2010, 37, 270-281.	3.0	15
36	Application of limited-view image reconstruction method to intravascular photoacoustic tomography. , 2010, , .		0

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37	Weighted least-squares image reconstruction in phase-contrast tomography. Proceedings of SPIE, 2010, , .	0.8	0
38	Contributions to ideal observer SNRs in propagation-based x-ray phase-contrast imaging. Proceedings of SPIE, 2010, , .	0.8	0
39	Analysis of ideal observer signal detectability in phase-contrast imaging employing linear shift-invariant optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2648.	1.5	14
40	Statistical properties of X-ray phase-contrast tomography. , 2009, 2009, 6648-50.		0
41	Influence of imaging geometry on noise texture in quantitative in-line X-ray phase-contrast imaging. Optics Express, 2009, 17, 14466.	3.4	19
42	Boundary reconstruction in limited-angle x-ray phase-contrast tomography. , 2009, , .		2
43	Investigation of quantitative polychromatic x-ray phase-contrast tomography for tissue characterization. Proceedings of SPIE, 2009, , .	0.8	0
44	Influence of imaging geometry on noise texture in x-ray in-line phase-contrast imaging. Proceedings of SPIE, 2008, , .	0.8	1
45	Noise properties of in-line x-ray imaging and tomography. Proceedings of SPIE, 2008, , .	0.8	0
46	Multi-bandwidth image reconstruction in photoacoustic tomography. Proceedings of SPIE, 2008, , .	0.8	0
47	An extended diffraction-enhanced imaging method for implementing multiple-image radiography. Physics in Medicine and Biology, 2007, 52, 1923-1945.	3.0	55
48	Image reconstruction in quantitative X-ray phase-contrast imaging employing multiple measurements. Optics Express, 2007, 15, 10002.	3.4	11
49	Statistically optimal image reconstruction in propagation-based phase-contrast tomography. , 2006, 6318, 269.		0
50	A comparison of a generalized DEI method with multiple-image radiography. , 2006, 6318, 387.		0