

Teresa Wu

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,182
citations

236925

25
h-index

243625

44
g-index

80
all docs

80
docs citations

80
times ranked

2754
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adaptive Particle Swarm Optimization With Multiple Adaptive Methods. IEEE Transactions on Evolutionary Computation, 2013, 17, 705-720.	10.0	165
2	SD-CNN: A shallow-deep CNN for improved breast cancer diagnosis. Computerized Medical Imaging and Graphics, 2018, 70, 53-62.	5.8	147
3	Supplier evaluation and selection: an augmented DEA approach. International Journal of Production Research, 2009, 47, 4593-4608.	7.5	105
4	Accurate Classification of Chronic Migraine via Brain Magnetic Resonance Imaging. Headache, 2015, 55, 762-777.	3.9	101
5	Use of multimodality imaging and artificial intelligence for diagnosis and prognosis of early stages of Alzheimer's disease. Translational Research, 2018, 194, 56-67.	5.0	98
6	Migraine classification using magnetic resonance imaging resting-state functional connectivity data. Cephalalgia, 2017, 37, 828-844.	3.9	95
7	Measuring glomerular number and size in perfused kidneys using MRI. American Journal of Physiology - Renal Physiology, 2011, 300, F1454-F1457.	2.7	87
8	MRI-based glomerular morphology and pathology in whole human kidneys. American Journal of Physiology - Renal Physiology, 2014, 306, F1381-F1390.	2.7	87
9	Supply Chain Risk Management: An Agent-Based Simulation to Study the Impact of Retail Stockouts. IEEE Transactions on Engineering Management, 2013, 60, 676-686.	3.5	67
10	Occupant health in buildings: Impact of the COVID-19 pandemic on the opinions of building professionals and implications on research. Building and Environment, 2022, 207, 108440.	6.9	60
11	Integration of machine learning and mechanistic models accurately predicts variation in cell density of glioblastoma using multiparametric MRI. Scientific Reports, 2019, 9, 10063.	3.3	59
12	Classification of Breast Masses Using a Computer-Aided Diagnosis Scheme of Contrast Enhanced Digital Mammograms. Annals of Biomedical Engineering, 2018, 46, 1419-1431.	2.5	56
13	A single-loop deterministic method for reliability-based design optimization. Engineering Optimization, 2013, 45, 435-458.	2.6	55
14	A feature transfer enabled multi-task deep learning model on medical imaging. Expert Systems With Applications, 2020, 143, 112957.	7.6	55
15	Small Blob Identification in Medical Images Using Regional Features From Optimum Scale. IEEE Transactions on Biomedical Engineering, 2015, 62, 1051-1062.	4.2	52
16	Phenotyping by magnetic resonance imaging nondestructively measures glomerular number and volume distribution in mice with and without nephron reduction. Kidney International, 2016, 89, 498-505.	5.2	52
17	MRI-Based Texture Analysis to Differentiate Sinonasal Squamous Cell Carcinoma from Inverted Papilloma. American Journal of Neuroradiology, 2017, 38, 1019-1025.	2.4	51
18	Deep Residual Inception Encoderâ€“Decoder Network for Medical Imaging Synthesis. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 39-49.	6.3	43

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19	AD-NET: Age-adjust neural network for improved MCI to AD conversion prediction. Neurolmage: Clinical, 2020, 27, 102290.	2.7	39
20	Petri-net based applications for supply chain management: an overview. International Journal of Production Research, 2011, 49, 3939-3961.	7.5	37
21	An accurate penalty-based approach for reliability-based design optimization. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2010, 21, 87-98.	2.1	32
22	A prior feature SVM-MRF based method for mouse brain segmentation. Neurolmage, 2012, 59, 2298-2306.	4.2	32
23	Efficient Small Blob Detection Based on Local Convexity, Intensity and Shape Information. IEEE Transactions on Medical Imaging, 2016, 35, 1127-1137.	8.9	32
24	A clustering algorithm for supplier base management. International Journal of Production Research, 2010, 48, 3803-3821.	7.5	30
25	Sub-classifying patients with mild traumatic brain injury: A clustering approach based on baseline clinical characteristics and 90-day and 180-day outcomes. PLoS ONE, 2018, 13, e0198741.	2.5	28
26	Prediction of near-term risk of developing breast cancer using computerized features from bilateral mammograms. Computerized Medical Imaging and Graphics, 2014, 38, 348-357.	5.8	27
27	Learning“interaction” diversification framework for swarm intelligence optimizers: a unified perspective. Neural Computing and Applications, 2020, 32, 1789-1809.	5.6	26
28	Brain effective connectivity modeling for alzheimer's disease by sparse gaussian bayesian network. , 2011, , 931-939.		24
29	Migraine Subclassification via a Data-Driven Automated Approach Using Multimodality Factor Mixture Modeling of Brain Structure Measurements. Headache, 2017, 57, 1051-1064.	3.9	22
30	A Hybrid Nested Partitions Algorithm for Banking Facility Location Problems. IEEE Transactions on Automation Science and Engineering, 2010, 7, 654-658.	5.2	20
31	Magnetic resonance imaging accurately tracks kidney pathology and heterogeneity in the transition from acute kidney injury to chronic kidney disease. Kidney International, 2021, 99, 173-185.	5.2	20
32	Deep learning strategies for critical heat flux detection in pool boiling. Applied Thermal Engineering, 2021, 190, 116849.	6.0	20
33	A transfer learning approach for network modeling. IIE Transactions, 2012, 44, 915-931.	2.1	19
34	Accurate Patient-Specific Machine Learning Models of Glioblastoma Invasion Using Transfer Learning. American Journal of Neuroradiology, 2019, 40, 418-425.	2.4	19
35	Improved small blob detection in 3D images using jointly constrained deep learning and Hessian analysis. Scientific Reports, 2020, 10, 326.	3.3	19
36	Clustering mechanism for electric tomography imaging. Science China Information Sciences, 2012, 55, 2849-2864.	4.3	18

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37	Design and Implementation of a Distributed Information System for Collaborative Product Development. Journal of Computing and Information Science in Engineering, 2004, 4, 281-293.	2.7	16
38	Petri Net Translation Patterns for the Analysis of eBusiness Collaboration Messaging Protocols. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 1022-1034.	2.9	14
39	Ex Vivo Renal Stone Characterization with Single-Source Dual-Energy Computed Tomography: A Multiparametric Approach. Academic Radiology, 2016, 23, 969-976.	2.5	13
40	Decreasing Loneliness and Social Disconnectedness among Community-Dwelling Older Adults: The Potential of Information and Communication Technologies and Ride-Hailing Services. Activities, Adaptation and Aging, 2021, 45, 89-117.	2.4	13
41	Prediction of fall risk among community-dwelling older adults using a wearable system. Scientific Reports, 2021, 11, 20976.	3.3	13
42	U-Net with optimal thresholding for small blob detection in medical images. , 2019, , .		12
43	Analysis of ambulance diversion policies for a large-size hospital. , 2009, , .		11
44	Rapid kV-switching single-source dual-energy CT ex vivo renal calculi characterization using a multiparametric approach: refining parameters on an expanded dataset. Abdominal Radiology, 2018, 43, 1439-1445.	2.1	11
45	A Cross-Study Analysis for Reproducible Sub-classification of Traumatic Brain Injury. Frontiers in Neurology, 2018, 9, 606.	2.4	10
46	A dual-mode deep transfer learning (D2TL) system for breast cancer detection using contrast enhanced digital mammograms. IJSE Transactions on Healthcare Systems Engineering, 2019, 9, 357-370.	1.7	10
47	Deep residual inception encoderâ€decoder network for amyloid PET harmonization. Alzheimer's and Dementia, 2022, 18, 2448-2457.	0.8	10
48	A clinical decision support system using multi-modality imaging data for disease diagnosis. IJSE Transactions on Healthcare Systems Engineering, 2018, 8, 36-46.	1.7	9
49	A Glucose-Insulin Mixture Model and Application to Short-Term Hypoglycemia Prediction in the Night Time. IEEE Transactions on Biomedical Engineering, 2021, 68, 834-845.	4.2	9
50	Design of a decentralized framework for collaborative product design using memetic algorithms. Optimization and Engineering, 2014, 15, 657-676.	2.4	8
51	Patient Specific Characteristics Are an Important Factor That Determines the Risk of Acute Grade 2 Rectal Toxicity in Patients Treated for Prostate Cancer with IMRT and Daily Image Guidance Based on Implanted Gold Markers. OMICS Journal of Radiology, 2016, 5, .	0.0	8
52	Image analysis techniques to map pyramids, pyramid structure, glomerular distribution, and pathology in the intact human kidney from 3-D MRI. American Journal of Physiology - Renal Physiology, 2021, 321, F293-F304.	2.7	8
53	Use of Cationized Ferritin Nanoparticles to Measure Renal Glomerular Microstructure with MRI. Methods in Molecular Biology, 2016, 1397, 67-79.	0.9	8
54	Selection and Pilot Implementation of a Mobile Image Viewer: A Case Study. JMIR MHealth and UHealth, 2015, 3, e45.	3.7	8

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55	An Importance Sampling Based Approach for Reliability Analysis. , 2007, , .		7
56	A Price-Based Negotiation Mechanism for Distributed Collaborative Design. IEEE Transactions on Engineering Management, 2008, 55, 496-507.	3.5	7
57	A control chart based approach to monitoring supply network dynamics using Kalman filtering. International Journal of Production Research, 2012, 50, 3137-3151.	7.5	7
58	Small Blob Detector Using Bi-Threshold Constrained Adaptive Scales. IEEE Transactions on Biomedical Engineering, 2021, 68, 2654-2665.	4.2	7
59	Petri-net based application for supply chain management: An overview. , 2009, , .		6
60	ENTRNA: a framework to predict RNA foldability. BMC Bioinformatics, 2019, 20, 373.	2.6	6
61	Maximum mutual information for feature extraction from graph-structured data: Application to Alzheimer's disease classification. Applied Intelligence, 2023, 53, 1870-1886.	5.3	6
62	A novel transfer learning model for predictive analytics using incomplete multimodality data. IJSE Transactions, 2021, 53, 1010-1022.	2.4	5
63	Federated Morphometry Feature Selection for Hippocampal Morphometry Associated Beta-Amyloid and Tau Pathology. Frontiers in Neuroscience, 2021, 15, 762458.	2.8	5
64	An Adaptive Distributed Simulation Framework for a Server Fulfillment Supply Chain. , 2006, , .		4
65	Fused Multi-Characteristic Validity Index: An Application to Reconstructed Image Evaluation in Electrical Tomography. International Journal of Computational Intelligence Systems, 2011, 4, 1052-1061.	2.7	4
66	The Application of Memetic Algorithms for Forearm Crutch Design: A Case Study. Mathematical Problems in Engineering, 2011, 2011, 1-14.	1.1	4
67	A sparse partitioned-regression model for nonlinear system's environment interactions. IJSE Transactions, 2017, 49, 814-826.	2.4	4
68	Prism-based single-camera system for stereo display. Optical Engineering, 2016, 55, 063106.	1.0	3
69	Integration of multiple health information systems for quality improvement of radiologic care. IJSE Transactions on Healthcare Systems Engineering, 2017, 7, 169-180.	1.7	3
70	Quantitative Imaging System for Cancer Diagnosis and Treatment Planning: An Interdisciplinary Approach. , 2017, , 152-175.		3
71	Integration of biological and statistical models toward personalized radiation therapy of cancer. IJSE Transactions, 2019, 51, 311-321.	2.4	2
72	An OGI model for personalized estimation of glucose and insulin concentration in plasma. Mathematical Biosciences and Engineering, 2021, 18, 8499-8523.	1.9	2

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73	A cosine-based correlation information entropy approach for building automatic fault detection baseline construction. Science and Technology for the Built Environment, 2022, 28, 1138-1149.	1.7	2
74	REAL-TIME MACHINING QUALITY INSPECTION FOR DESIGN FOR MANUFACTURING (DFM). Journal of Advanced Manufacturing Systems, 2005, 04, 21-36.	1.0	1
75	Distributed resource allocation for healthcare systems. , 2008, , .		1
76	Intervention strategies for the Department of Defense acquisition process. Journal of Defense Modeling and Simulation, 2016, 13, 139-151.	1.7	1
77	A novel hierarchically-structured factor mixture model for cluster discovery from multi-modality data. IJSE Transactions, 2021, 53, 799-811.	2.4	1
78	Discriminant subgraph learning from functional brain sensory data. IJSE Transactions, 0, , 1-14.	2.4	1
79	Accuracy vs. robustness: Bi-criteria optimized ensemble of metamodels. , 2014, , .		0
80	Computational efficient Variational Bayesian Gaussian Mixture Models via Coreset. , 2016, , .		0