

Teresa Wu

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,182
citations

236612

25
h-index

243296

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. | 7.5 | 165 |
| 2 | SD-CNN: A shallow-deep CNN for improved breast cancer diagnosis. Computerized Medical Imaging and Graphics, 2018, 70, 53-62. | 3.5 | 147 |
| 3 | Supplier evaluation and selection: an augmented DEA approach. International Journal of Production Research, 2009, 47, 4593-4608. | 4.9 | 105 |
| 4 | Accurate Classification of Chronic Migraine via Brain Magnetic Resonance Imaging. Headache, 2015, 55, 762-777. | 1.8 | 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. | 2.2 | 98 |
| 6 | Migraine classification using magnetic resonance imaging resting-state functional connectivity data. Cephalalgia, 2017, 37, 828-844. | 1.8 | 95 |
| 7 | Measuring glomerular number and size in perfused kidneys using MRI. American Journal of Physiology - Renal Physiology, 2011, 300, F1454-F1457. | 1.3 | 87 |
| 8 | MRI-based glomerular morphology and pathology in whole human kidneys. American Journal of Physiology - Renal Physiology, 2014, 306, F1381-F1390. | 1.3 | 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. | 2.4 | 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. | 3.0 | 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. | 1.6 | 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. | 1.3 | 56 |
| 13 | A single-loop deterministic method for reliability-based design optimization. Engineering Optimization, 2013, 45, 435-458. | 1.5 | 55 |
| 14 | A feature transfer enabled multi-task deep learning model on medical imaging. Expert Systems With Applications, 2020, 143, 112957. | 4.4 | 55 |
| 15 | Small Blob Identification in Medical Images Using Regional Features From Optimum Scale. IEEE Transactions on Biomedical Engineering, 2015, 62, 1051-1062. | 2.5 | 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. | 2.6 | 52 |
| 17 | MRI-Based Texture Analysis to Differentiate Sinonasal Squamous Cell Carcinoma from Inverted Papilloma. American Journal of Neuroradiology, 2017, 38, 1019-1025. | 1.2 | 51 |
| 18 | Deep Residual Inception Encoder-Decoder Network for Medical Imaging Synthesis. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 39-49. | 3.9 | 43 |

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|----|--|-----|-----------|
| 19 | AD-NET: Age-adjust neural network for improved MCI to AD conversion prediction. <i>NeuroImage: Clinical</i> , 2020, 27, 102290. | 1.4 | 39 |
| 20 | Petri-net based applications for supply chain management: an overview. <i>International Journal of Production Research</i> , 2011, 49, 3939-3961. | 4.9 | 37 |
| 21 | An accurate penalty-based approach for reliability-based design optimization. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2010, 21, 87-98. | 1.2 | 32 |
| 22 | A prior feature SVM-MRF based method for mouse brain segmentation. <i>NeuroImage</i> , 2012, 59, 2298-2306. | 2.1 | 32 |
| 23 | Efficient Small Blob Detection Based on Local Convexity, Intensity and Shape Information. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1127-1137. | 5.4 | 32 |
| 24 | A clustering algorithm for supplier base management. <i>International Journal of Production Research</i> , 2010, 48, 3803-3821. | 4.9 | 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. <i>PLoS ONE</i> , 2018, 13, e0198741. | 1.1 | 28 |
| 26 | Prediction of near-term risk of developing breast cancer using computerized features from bilateral mammograms. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 348-357. | 3.5 | 27 |
| 27 | Learning“interaction” diversification framework for swarm intelligence optimizers: a unified perspective. <i>Neural Computing and Applications</i> , 2020, 32, 1789-1809. | 3.2 | 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. <i>Headache</i> , 2017, 57, 1051-1064. | 1.8 | 22 |
| 30 | A Hybrid Nested Partitions Algorithm for Banking Facility Location Problems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2010, 7, 654-658. | 3.4 | 20 |
| 31 | Magnetic resonance imaging accurately tracks kidney pathology and heterogeneity in the transition from acute kidney injury to chronic kidney disease. <i>Kidney International</i> , 2021, 99, 173-185. | 2.6 | 20 |
| 32 | Deep learning strategies for critical heat flux detection in pool boiling. <i>Applied Thermal Engineering</i> , 2021, 190, 116849. | 3.0 | 20 |
| 33 | A transfer learning approach for network modeling. <i>IIE Transactions</i> , 2012, 44, 915-931. | 2.1 | 19 |
| 34 | Accurate Patient-Specific Machine Learning Models of Glioblastoma Invasion Using Transfer Learning. <i>American Journal of Neuroradiology</i> , 2019, 40, 418-425. | 1.2 | 19 |
| 35 | Improved small blob detection in 3D images using jointly constrained deep learning and Hessian analysis. <i>Scientific Reports</i> , 2020, 10, 326. | 1.6 | 19 |
| 36 | Clustering mechanism for electric tomography imaging. <i>Science China Information Sciences</i> , 2012, 55, 2849-2864. | 2.7 | 18 |

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|----|---|-----|-----------|
| 37 | Design and Implementation of a Distributed Information System for Collaborative Product Development. <i>Journal of Computing and Information Science in Engineering</i> , 2004, 4, 281-293. | 1.7 | 16 |
| 38 | Petri Net Translation Patterns for the Analysis of eBusiness Collaboration Messaging Protocols. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2009, 39, 1022-1034. | 3.4 | 14 |
| 39 | Ex Vivo Renal Stone Characterization with Single-Source Dual-Energy Computed Tomography: A Multiparametric Approach. <i>Academic Radiology</i> , 2016, 23, 969-976. | 1.3 | 13 |
| 40 | Decreasing Loneliness and Social Disconnectedness among Community-Dwelling Older Adults: The Potential of Information and Communication Technologies and Ride-Hailing Services. <i>Activities, Adaptation and Aging</i> , 2021, 45, 89-117. | 1.7 | 13 |
| 41 | Prediction of fall risk among community-dwelling older adults using a wearable system. <i>Scientific Reports</i> , 2021, 11, 20976. | 1.6 | 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. <i>Abdominal Radiology</i> , 2018, 43, 1439-1445. | 1.0 | 11 |
| 45 | A Cross-Study Analysis for Reproducible Sub-classification of Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2018, 9, 606. | 1.1 | 10 |
| 46 | A dual-mode deep transfer learning (D2TL) system for breast cancer detection using contrast enhanced digital mammograms. <i>IJSE Transactions on Healthcare Systems Engineering</i> , 2019, 9, 357-370. | 1.2 | 10 |
| 47 | Deep residual inception encoderâ€¦decoder network for amyloid PET harmonization. <i>Alzheimer's and Dementia</i> , 2022, 18, 2448-2457. | 0.4 | 10 |
| 48 | A clinical decision support system using multi-modality imaging data for disease diagnosis. <i>IJSE Transactions on Healthcare Systems Engineering</i> , 2018, 8, 36-46. | 1.2 | 9 |
| 49 | A Glucose-Insulin Mixture Model and Application to Short-Term Hypoglycemia Prediction in the Night Time. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 834-845. | 2.5 | 9 |
| 50 | Design of a decentralized framework for collaborative product design using memetic algorithms. <i>Optimization and Engineering</i> , 2014, 15, 657-676. | 1.3 | 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. <i>OMICS Journal of Radiology</i> , 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. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F293-F304. | 1.3 | 8 |
| 53 | Use of Cationized Ferritin Nanoparticles to Measure Renal Glomerular Microstructure with MRI. <i>Methods in Molecular Biology</i> , 2016, 1397, 67-79. | 0.4 | 8 |
| 54 | Selection and Pilot Implementation of a Mobile Image Viewer: A Case Study. <i>JMIR MHealth and UHealth</i> , 2015, 3, e45. | 1.8 | 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. | 2.4 | 7 |
| 57 | A control chart based approach to monitoring supply network dynamics using Kalman filtering. International Journal of Production Research, 2012, 50, 3137-3151. | 4.9 | 7 |
| 58 | Small Blob Detector Using Bi-Threshold Constrained Adaptive Scales. IEEE Transactions on Biomedical Engineering, 2021, 68, 2654-2665. | 2.5 | 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. | 1.2 | 6 |
| 61 | Maximum mutual information for feature extraction from graph-structured data: Application to Alzheimer's disease classification. Applied Intelligence, 2023, 53, 1870-1886. | 3.3 | 6 |
| 62 | A novel transfer learning model for predictive analytics using incomplete multimodality data. IISE Transactions, 2021, 53, 1010-1022. | 1.6 | 5 |
| 63 | Federated Morphometry Feature Selection for Hippocampal Morphometry Associated Beta-Amyloid and Tau Pathology. Frontiers in Neuroscience, 2021, 15, 762458. | 1.4 | 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. | 1.6 | 4 |
| 66 | The Application of Memetic Algorithms for Forearm Crutch Design: A Case Study. Mathematical Problems in Engineering, 2011, 2011, 1-14. | 0.6 | 4 |
| 67 | A sparse partitioned-regression model for nonlinear system's environment interactions. IISE Transactions, 2017, 49, 814-826. | 1.6 | 4 |
| 68 | Prism-based single-camera system for stereo display. Optical Engineering, 2016, 55, 063106. | 0.5 | 3 |
| 69 | Integration of multiple health information systems for quality improvement of radiologic care. IISE Transactions on Healthcare Systems Engineering, 2017, 7, 169-180. | 1.2 | 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. IISE Transactions, 2019, 51, 311-321. | 1.6 | 2 |
| 72 | An OGI model for personalized estimation of glucose and insulin concentration in plasma. Mathematical Biosciences and Engineering, 2021, 18, 8499-8523. | 1.0 | 2 |

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|----|--|-----|-----------|
| 73 | A cosine-based correlation information entropy approach for building automatic fault detection baseline construction. <i>Science and Technology for the Built Environment</i> , 2022, 28, 1138-1149. | 0.8 | 2 |
| 74 | REAL-TIME MACHINING QUALITY INSPECTION FOR DESIGN FOR MANUFACTURING (DFM). <i>Journal of Advanced Manufacturing Systems</i> , 2005, 04, 21-36. | 0.4 | 1 |
| 75 | Distributed resource allocation for healthcare systems. , 2008, , . | | 1 |
| 76 | Intervention strategies for the Department of Defense acquisition process. <i>Journal of Defense Modeling and Simulation</i> , 2016, 13, 139-151. | 1.2 | 1 |
| 77 | A novel hierarchically-structured factor mixture model for cluster discovery from multi-modality data. <i>IJSE Transactions</i> , 2021, 53, 799-811. | 1.6 | 1 |
| 78 | Discriminant subgraph learning from functional brain sensory data. <i>IJSE Transactions</i> , 0, , 1-14. | 1.6 | 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 |