Yudong Tao

List of Publications by Year in descending order

35 papers	**1,186** citations	1937685 **4** h-index	996975 **15** g-index
35 all docs	**35** docs citations	**35** times ranked	**1051** citing authors

#	Article	IF	Citations
1	A Survey on Data-driven COVID-19 and Future Pandemic Management. ACM Computing Surveys, 2023, 55, 1-36.	23.0	4
2	Objectively measured teacher and preschooler vocalizations: Phonemic diversity is associated with language abilities. Developmental Science, 2022, 25, e13177.	2.4	8
3	Deep Learning With Weak Supervision for Disaster Scene Description in Low-Altitude Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	4
4	Simulating COVID19 transmission from observed movement. Scientific Reports, 2022, 12, 3044.	3.3	2
5	Florida public hurricane loss model: Software system for insurance loss projection. Software - Practice and Experience, 2022, 52, 1736-1755.	3.6	1
6	Objective measurement of vocalizations in the assessment of autism spectrum disorder symptoms in preschool age children. Autism Research, 2022, 15, 1665-1674.	3.8	6
7	Multimodal Data Integration and User Interaction for Avatar Simulation in Augmented Reality. International Journal of Multimedia Data Engineering and Management, 2022, 13, 1-19.	0.4	0
8	A Novel and Unified Full-Chip CMP Model Aware Dummy Fill Insertion Framework With SQP-Based Optimization Method. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2021, 40, 603-607.	2.7	4
9	Continuous measurement of attachment behavior: A multimodal view of the strange situation procedure. , 2021, 63, 101565.		8
10	Deep Learningâ€"Based Retinal Nerve Fiber Layer Thickness Measurement of Murine Eyes. Translational Vision Science and Technology, 2021, 10, 21.	2.2	4
11	Generalized Structure for Adaptable Immersive Learning Environments. , 2021, , .		3
12	Multimodal Data Integration for Interactive and Realistic Avatar Simulation in Augmented Reality. , 2021, , .		3
13	Multi-task Multimodal Learning for Disaster Situation Assessment. , 2020, , .		5
14	Confidence Estimation Using Machine Learning in Immersive Learning Environments. , 2020, , .		9
15	Challenges in Energy-Efficient Deep Neural Network Training with FPGA. , 2020, , .		14
16	Data Drive Development-Multimodal Measurement of Classroom Interaction. , 2020, , .		0
17	Objective Measurement of Social Communication Behaviors in Children with Suspected ASD During the ADOS-2. , 2020, , .		2
18	Multimodal deep representation learning for video classification. World Wide Web, 2019, 22, 1325-1341.	4.0	52

#	Article	IF	Citations
19	Efficient Incremental Training for Deep Convolutional Neural Networks. , 2019, , .		4
20	A Framework for Airfare Price Prediction: A Machine Learning Approach. , 2019, , .		22
21	Unconstrained Flood Event Detection Using Adversarial Data Augmentation. , 2019, , .		16
22	SP-ASDNet: CNN-LSTM Based ASD Classification Model using Observer ScanPaths. , 2019, , .		32
23	A Power Efficient Neural Network Implementation on Heterogeneous FPGA and GPU Devices. , 2019, , .		10
24	Audio-Based Group Detection for Classroom Dynamics Analysis. , 2019, , .		0
25	A Survey on Deep Learning. ACM Computing Surveys, 2019, 51, 1-36.	23.0	796
26	Multimodal deep learning based on multiple correspondence analysis for disaster management. World Wide Web, 2019, 22, 1893-1911.	4.0	33
27	Dynamic Sampling in Convolutional Neural Networks for Imbalanced Data Classification. , 2018, , .		89
28	Mining Anomalies in Medicare Big Data Using Patient Rule Induction Method. , 2017, , .		24
29	A novel unified dummy fill insertion framework with SQP-based optimization method. , 2016, , .		10
30	An Improved Invariant for Matching Molecular Graphs Based on VF2 Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 122-128.	9.3	12
31	A hands-free communication solution for wearable devices. , 2014, , .		3
32	A New Computerized Tongue Diagnosis Method with Optimized Outline Extraction Algorithm Using HSV Color Model. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1556-1562.	0.4	4
33	A Method of Colored Graph Isomorphism Problem. Journal of Bionanoscience, 2013, 7, 26-33.	0.4	0
34	Feature Extraction Used in Tongue Diagnosis. Journal of Bionanoscience, 2013, 7, 43-48.	0.4	1
35	The Circuit Simulation Method Improved by Conjugate Gradient Method for Isomorphic Molecular Graph Identification. Journal of Bionanoscience, 2013, 7, 440-446.	0.4	1