

電機工程學系(Department of Electrical Engineering)

NO	Subject Category	Author	作者	Title	Publication Name	PD	PY
1	Computer Science	Yeh, CH; Lin, CH; Lin, MH; Kang, LW; Huang, CH; Chen, MJ	陳美娟	Deep learning-based compressed image artifacts reduction based on multi-scale image fusion	INFORMATION FUSION	MAR	2021
2	Computer Science, Information Systems; Telecommunications	Liao, LX; Wang, J; Chao, HCE; Qin, B	趙涵捷	Distributed and Efficient Network Hypervisor for SDN Virtualization	JOURNAL OF INTERNET TECHNOLOGY		2021
3	Materials Science, Ceramics	Simanjuntak, FM; Panda, D; Chandrasekaran, S; Aluguri, R; Lin, CC; Tseng, TY	林群傑*	Evaluating gallium-doped ZnO top electrode thickness for achieving a good switch-ability in ZnO <sub>2</sub> /ZnO bilayer transparent valence change memory	JOURNAL OF ELECTROCERAMICS	31-May	2021
4	Computer Science, Hardware & Architecture; Computer Science, Information Systems; Telecommunications	Liu, XG; Li, CQ; Dai, C; Lai, JF; Chao, HC	趙涵捷	Nonnegative Tensor Factorization based on Low-Rank Subspace for Facial Expression Recognition	MOBILE NETWORKS & APPLICATIONS	29-Jan	2021
5	Computer Science, Information Systems; Telecommunications	Vallabh, P; Malekian, N; Malekian, R; Li, TM	Li, Ting-Mei	Personalized Fall Detection Monitoring System Based on Learning from the User Movements	JOURNAL OF INTERNET TECHNOLOGY		2021

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6	Green & Sustainable Science & Technology; Environmental Sciences; Environmental Studies	Chao, HC; Wu, HT; Tseng, FH	趙涵捷	AIS Meets IoT: A Network Security Mechanism of Sustainable Marine Resource Based on Edge Computing	SUSTAINABILITY	MAR	2021
7	Education & Educational Research	Parsazadeh, N; Cheng, PY; Wu, TT; Huang, YM	Parsazadeh, Nadia	Integrating Computational Thinking Concept Into Digital Storytelling to Improve Learners' Motivation and Performance	JOURNAL OF EDUCATIONAL COMPUTING RESEARCH	JUN	2021
8	Computer Science, Information Systems; Telecommunications	Lin, YS; Lai, CF; Chuang, CEL; Ge, XH; Chao, HCE	趙涵捷	Collaborative Framework of Accelerating Reinforcement Learning Training with Supervised Learning Based on Edge Computing	JOURNAL OF INTERNET TECHNOLOGY		2021
9	Computer Science, Artificial Intelligence; Computer Science, Information Systems; Engineering, Electrical & Electronic	Gan, WS; Lin, JCW; Fournier-Viger, P; Chao, HC; Tseng, VS; Yu, PS	趙涵捷	A Survey of Utility-Oriented Pattern Mining	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING	APR 1	2021
10	Computer Science, Information Systems; Computer Science, Software Engineering	Gan, WS; Lin, JCW; Fournier-Viger, P; Chao, HC; Yu, PS	趙涵捷	Beyond Frequency: Utility Mining with Varied Item-specific Minimum Utility	ACM TRANSACTIONS ON INTERNET TECHNOLOGY	FEB	2021

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11	Automation & Control Systems; Computer Science, Artificial Intelligence; Computer Science, Cybernetics	Gan, WS; Lin, JCW; Zhang, JX; Fournier-Viger, P; Chao, HC; Yu, PS	趙涵捷	Fast Utility Mining on Sequence Data	IEEE TRANSACTIONS ON CYBERNETICS	FEB	2021
12	Chemistry, Analytical; Engineering, Electrical & Electronic; Instruments & Instrumentation	Li, C; Zhang, ZJ; Wei, W; Chao, HC; Liu, XJ	趙涵捷	A Possible World-Based Fusion Estimation Model for Uncertain Data Clustering in WBNs	SENSORS	FEB	2021
13	Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications	Liu, Xingang; Wu, Lishuai; Dai, Cheng; Chao, Han-Chieh	趙涵捷*	Compressing CNNs Using Multilevel Filter Pruning for the Edge Nodes of Multimedia Internet of Things	IEEE INTERNET OF THINGS JOURNAL	JUL 15	2021
14	Engineering, Electrical & Electronic	Huang, Shih-Yun; Cho, Hsin-Hung; Chang, Yao-Chung; Yuan, Jie-Yu; Chao, Han-Chieh	趙涵捷*	An efficient spectrum scheduling mechanism using Markov decision chain for 5G mobile network	IET COMMUNICATIONS		2021
15	Multidisciplinary Sciences	Liao, Lingxia; Leung, Victor C. M.; Li, Zhi; Chao, Han-Chieh	趙涵捷	Genetic Algorithms with Variant Particle Swarm Optimization Based Mutation for Generic Controller Placement in Software-Defined Networks	SYMMETRY-BASEL	JUL	2021

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16	Computer Science, Information Systems; Computer Science, Software Engineering	Gan, Wensheng; Lin, Jerry Chun-Wei; Zhang, Jiexiong; Yin, Hongzhi; Fournier-Viger, Philippe; Chao, Han-Chieh; Yu, Philip S.	趙涵捷	Utility Mining Across Multi-Dimensional Sequences	ACM TRANSACTIONS ON KNOWLEDGE DISCOVERY FROM DATA	JUN	2021
17	Computer Science, Information Systems; Telecommunications	Wang, Xiaopeng; Chu, Shu-Chuan; Chao, Han-Chieh; Pan, Jeng-Shyang	趙涵捷	A multi-group dragonfly algorithm for application in wireless sensor network deployment problem	INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING		2021
18	Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications	Chen, Mei-Juan; Lin, Jie-Ru; Hsu, Yu-Chih; Ciou, Yi-Sheng; Yeh, Chia-Hung; Lin, Min-Hui; Kau, Lih-Jen; Chang, Chuan-Yu	陳美娟	Fast 3D-HEVC Depth Intra Coding Based on Boundary Continuity	IEEE ACCESS		2021
19	Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications	Lin, Jie-Ru; Chen, Mei-Juan; Ciou, Yi-Sheng; Yeh, Chia-Hung; Lin, Min-Hui; Kau, Lih-Jen; Chang, Chuan-Yu	陳美娟	Fast Texture Coding Based on Spatial, Temporal and Inter-View Correlations for 3D Video Coding	IEEE ACCESS		2021

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20	Computer Science, Artificial Intelligence; Computer Science, Interdisciplinary Applications	Huang, Chenn-Jung; Hu, Kai-Wen; Ho, Hsing Yi; Xie, Bing Zhen; Feng, Chien-Chih; Chuang, Hung-Wen	黃振榮*	A Distributed Urban Traffic Congestion Prevention Mechanism for Mixed Flow of Human-Driven and Autonomous Electric Vehicles	INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS		2021
21	Computer Science, Information Systems; Telecommunications	Liao, LX; Li, Z; Chao, HC	趙涵捷	Placing Controllers over Complex Wide Area SDNs Based on Clique Identification	JOURNAL OF INTERNET TECHNOLOGY		2021
22	Computer Science, Artificial Intelligence; Engineering, Electrical & Electronic	Gan, WS; Du, ZL; Ding, WP; Zhang, CK; Chao, HC	趙涵捷	Explainable Fuzzy Utility Mining on Sequences	IEEE TRANSACTIONS ON FUZZY SYSTEMS	DEC	2021
23	Health Care Sciences & Services; Medicine, General & Internal	Wu, HT; Haryadi, B; Chen, JJ	吳賢材	A First Step towards a Comprehensive Approach to Harmonic Analysis of Synchronous Peripheral Volume Pulses: A Proof-of-Concept Study	JOURNAL OF PERSONALIZED MEDICINE	DEC	2021