Yao-Liang Chung

List of Publications by Year
in descending order

40 papers	247 citations	1163117 8 h-index	1199594 12 g-index
41 all docs	41 docs citations	41 times ranked	170 citing authors

#	Article	IF	Citations
1	An Effective Toss-and-Catch Algorithm for Fixed-Rail Mobile Terminal Equipment That Ensures Reliable Transmission and Non-Interruptible Handovers. Symmetry, 2021, 13, 582.	2.2	2
2	Application of a Mask R-CNN-Based Deep Learning Model Combined with the Retinex Image Enhancement Algorithm for Detecting Rockfall and Potholes on Hill Roads. , 2021, , .		2
3	Application of a Model that Combines the YOLOv3 Object Detection Algorithm and Canny Edge Detection Algorithm to Detect Highway Accidents. Symmetry, 2020, 12, 1875.	2.2	13
4	Hand gesture recognition via image processing techniques and deep CNN. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4405-4418.	1.4	15
5	Resource Management in Macrocellâ€"Small Cell Systems and D2D-Assisted Cellular Systems. , 2020, , 1226-1234.		0
6	Efficient Flame Recognition Method Based on a Deep Convolutional Neural Network and Image Processing. , 2019, , .		4
7	Resource Management in Macrocellâ€"Small Cell Systems and D2D-Assisted Cellular Systems. , 2019, , 1-9.		0
8	Design and Implementation of a Novel System for Correcting Posture Through the Use of a Wearable Necklace Sensor. JMIR MHealth and UHealth, 2019, 7, e12293.	3.7	17
9	ETLU: Enabling Efficient Simultaneous Use of Licensed and Unlicensed Bands for D2D-Assisted Mobile Users. IEEE Systems Journal, 2018, 12, 2273-2284.	4.6	10
10	An Effective Hexapod Robot Control Design Based on a Fuzzy Neural Network and a Kalman Filter. , 2018, , .		3
11	An Improved Algorithm for Single Image Haze Removal. , 2018, , .		0
12	Resource Management in Macrocellâ€"Small Cell Systems and D2D-Assisted Cellular Systems. , 2018, , 1-9.		0
13	Energy-Saving Transmission for Green Macrocellâ€"Small Cell Systems: A System-Level Perspective. IEEE Systems Journal, 2017, 11, 706-716.	4.6	25
14	Energy-Efficient Use of Licensed and Unlicensed Bands in D2D-Assisted Cellular Network Systems. Energies, 2017, 10, 1893.	3.1	4
15	An Energy-Efficient Coverage Algorithm for Macrocellâ€"Small Cell Network Systems. Energies, 2017, 10, 1319.	3.1	9
16	A Novel Power-Saving Transmission Scheme for Multiple-Component-Carrier Cellular Systems. Energies, 2016, 9, 265.	3.1	8
17	A Novel Algorithm for Efficient Downlink Packet Scheduling for Multiple-Component-Carrier Cellular Systems. Energies, 2016, 9, 950.	3.1	7
18	Fast and efficient transmission in D2D-assisted cellular networks. , 2016, , .		2

#	Article	IF	Citations
19	A novel approach for device-to-device transmission. , 2015, , .		1
20	Energy-Efficient Transmissions for Green Base Stations With a Novel Carrier Activation Algorithm: A System-Level Perspective. IEEE Systems Journal, 2015, 9, 1252-1263.	4.6	13
21	A simple yet effective approach for resource allocation in outband device-to-device communication. , 2015, , .		3
22	Rate-and-power control based energy-saving transmissions in OFDMA-based multicarrier base stations. IEEE Systems Journal, 2015, 9, 578-584.	4.6	18
23	An energy-saving small-cell zooming scheme for two-tier hybrid cellular networks. , 2015, , .		10
24	An efficient genetic-based downlink resource allocation scheme in LTE base stations. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1669-1673.	1.4	1
25	A power-saving resource allocation algorithm for D2D-assisted cellular networks. , 2014, , .		7
26	A Study of Quota-Based Dynamic Network Selection for Multimode Terminal Users. IEEE Systems Journal, 2014, 8, 759-768.	4.6	4
27	An efficient power-saving transmission mechanism in LTE macrocell-femtocell hybrid networks. , 2014, , .		3
28	A green rate-and-power control transmission scheme in multi-carrier base stations. , 2013, , .		0
29	Green dynamic configuration in two-tier LTE femtocell networks. , 2013, , .		3
30	Novel energy-efficient transmissions in 4G downlink networks. , 2013, , .		2
31	A Suboptimal Power-Saving Transmission Scheme in Multiple Component Carrier Networks. IEICE Transactions on Communications, 2012, E95.B, 2144-2147.	0.7	4
32	Quota-based dynamic network selection for HSPA/UMTS multi-network users. , 2012, , .		0
33	A fairness-control-based power-saving transmission scheme in OFDMA-based multi-carrier data networks. , 2012, , .		1
34	An efficient downlink packet scheduling algorithm in LTE-Advanced systems with Carrier Aggregation. , 2011, , .		33
35	On the Effective Throughput Gain of Cooperative Diversity with a Fast Retransmission Scheme for Delay-Sensitive Flows. IEICE Transactions on Communications, 2011, E94-B, 3525-3531.	0.7	1
36	A study of dynamic network selection for HSPA dual-network users. , 2011, , .		3

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37	Performance Analysis of Two Multichannel Fast Retransmission Schemes for Delay-Sensitive Flows. IEEE Transactions on Vehicular Technology, 2010, 59, 3468-3479.	6.3	7
38	Cooperative Diversity with Fast HARQ for Delay-Sensitive Flows. , 2010, , .		2
39	A Study of User-Profile Based Dynamic Channel Allocation in the Dual-Band Environment. , 2010, , .		5
40	Modeling and Analysis of Dynamic Spectrum Allocation of Two Wireless Communication Systems. , 2006, , .		5