

Hung-Yu Wei

List of Publications by Year in descending order

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144
papers

3,127
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361413
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145
all docs

145
docs citations

145
times ranked

4400
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning Models for Predicting Influential Factors of Early Outcomes in Acute Ischemic Stroke: Registry-Based Study. JMIR Medical Informatics, 2022, 10, e32508.	2.6	9
2	Distributed V2X Sidelink Communications With Receiver Grant MAC Design. IEEE Transactions on Vehicular Technology, 2022, 71, 5415-5429.	6.3	10
3	Storage Allocation for Camera Sensor Networks using Feedback-based Price Discrimination. , 2022, , .		0
4	5G NR Multicast and Broadcast QoS Enhancement With Flexible Service Continuity Configuration. IEEE Transactions on Broadcasting, 2022, 68, 689-703.	3.2	1
5	Collaborative Social-Aware and QoE-Driven Video Caching and Adaptation in Edge Network. IEEE Transactions on Multimedia, 2021, 23, 4311-4325.	7.2	17
6	Thermal Performance Enhancement With DRX in 5G Millimeter Wave Communication System. IEEE Access, 2021, 9, 34692-34707.	4.2	11
7	Medium Access Strategies for Integrated Access and Backhaul at mmWaves Unlicensed Spectrum. , 2021, , .		1
8	Mobility-Aware QoS Promotion and Load Balancing in MEC-Based Vehicular Networks: A Deep Learning Approach. , 2021, , .		8
9	Game-Theoretic Cloud-Edge Resource Allocation for Video Analytics in the Factory of the Future. , 2021, , .		3
10	Bridging the Gap Between Academia and Industry: MOST 6G Research Program in Taiwan. , 2021, , .		0
11	Risk-Aware Cloud-Edge Computing Framework for Delay-Sensitive Industrial IoTs. IEEE Transactions on Network and Service Management, 2021, 18, 2659-2671.	4.9	13
12	Flat-Rate Pricing and Truthful Offloading Mechanism in Multi-Layer Edge Computing. IEEE Transactions on Wireless Communications, 2021, 20, 6107-6121.	9.2	5
13	Edge Computing and Networking Resource Management for Decomposable Deep Learning: An Auction-Based Approach. , 2021, , .		6
14	Age-Optimal Power Allocation in Industrial IoT: A Risk-Sensitive Federated Learning Approach. , 2021, , .		3
15	5G Edge Computing Experiments with Intelligent Resource Allocation for Multi-Application Video Analytics. , 2021, , .		0
16	Strategy-Proof Beam-Aware Multicast Resource Allocation Mechanism. , 2021, , .		1
17	Reliable Groupcast for NR V2X. IEEE Access, 2021, 9, 152032-152046.	4.2	3
18	Machine Learning Based mmWave Orchestration for Edge Gaming QoE Enhancement. , 2021, , .		1

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19	Edge Computing Dynamic Resource Management: Tradeoffs Between Security and Application QoE. , 2021, , .		0
20	DCP DRX: An Enhanced Power Saving Mechanism in NR. , 2021, , .		4
21	Reverse Spectrum Allocation for Spectrum Sharing between TN and NTN. , 2021, , .		6
22	Energy-Efficient Edge Offloading in Heterogeneous Industrial IoT Networks for Factory of Future. IEEE Access, 2020, 8, 183035-183050.	4.2	15
23	Virtual Network Embedding With Dynamic Speed Switching Orchestration in Fog/Edge Network. IEEE Access, 2020, 8, 84753-84768.	4.2	10
24	Towards NR MBMS: A Flexible Partitioning Method for SFN Areas. IEEE Transactions on Broadcasting, 2020, 66, 416-427.	3.2	12
25	Pair Auction and Matching for Resource Allocation in Full-Duplex Cellular Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 4325-4339.	6.3	3
26	Road Capacity and Throughput for Safe Driving Autonomous Vehicles. IEEE Access, 2020, 8, 95779-95792.	4.2	7
27	Decomposable Intelligence on Cloud-Edge IoT Framework for Live Video Analytics. IEEE Internet of Things Journal, 2020, 7, 8860-8873.	8.7	36
28	Beam-Aware Cross-Layer DRX Design for 5G Millimeter Wave Communication System. IEEE Access, 2020, 8, 77604-77617.	4.2	11
29	Deep Q-Network Based Adaptive Resource Allocation with User Grouping on ICIC. , 2019, , .		2
30	Reliable Two-Hop Device-To-Device Communications For UAVs. , 2019, , .		3
31	Energy-Efficient and Reliable MEC Offloading for Heterogeneous Industrial IoT Networks. , 2019, , .		13
32	Group-Based Sidelink Communication for Seamless Vehicular Handover. IEEE Access, 2019, 7, 56431-56442.	4.2	11
33	Parking Reservation Auction for Parked Vehicle Assistance in Vehicular Fog Computing. IEEE Transactions on Vehicular Technology, 2019, 68, 3126-3139.	6.3	76
34	QoE-aware Q-learning based approach to dynamic TDD uplink-downlink reconfiguration in indoor small cell networks. Wireless Networks, 2019, 25, 3467-3479.	3.0	5
35	Flat-Rate Pricing for Green Edge Computing with Latency Guarantee: A Stackelberg Game Approach. , 2019, , .		8
36	Inter-Client Interference Cancellation for Full-Duplex Networks With Half-Duplex Clients. IEEE/ACM Transactions on Networking, 2019, 27, 2150-2163.	3.8	2

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37	5G On-Demand SI Acquisition Framework and Performance Evaluation. IEEE Access, 2019, 7, 163245-163261.	4.2	4
38	Further Enhanced Multimedia Broadcast/Multicast Service in LTE-Advanced Pro. IEEE Communications Standards Magazine, 2019, 3, 44-51.	4.9	8
39	Query-Based Sensors Selection for Collaborative Wireless Sensor Networks With Stochastic Energy Harvesting. IEEE Internet of Things Journal, 2019, 6, 3031-3043.	8.7	7
40	Enabling Millimeter-Wave 5G Networks for Massive IoT Applications: A Closer Look at the Issues Impacting Millimeter-Waves in Consumer Devices Under the 5G Framework. IEEE Consumer Electronics Magazine, 2019, 8, 49-54.	2.3	41
41	Unlicensed LTE Pricing for Tiered Content Delivery and Heterogeneous User Access. IEEE Transactions on Mobile Computing, 2019, 18, 235-249.	5.8	6
42	Incentive Compatible Overlay D2D System: A Group-Based Framework without CQI Feedback. IEEE Transactions on Mobile Computing, 2018, 17, 2069-2086.	5.8	15
43	Dual-Connectivity Prevenient Handover Scheme in Control/User-Plane Split Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 3545-3560.	6.3	28
44	SDN - Architectural Enabler for Reliable Communication Over Millimeter-Wave 5G Networks. , 2018, , .		3
45	Green Fog Offloading Strategy for Heterogeneous Wireless Edge Networks. , 2018, , .		6
46	Safe Driving Capacity of Autonomous Vehicles. , 2018, , .		1
47	Cross-Layer Optimization for VR Video Multicast Systems. , 2018, , .		10
48	Parked Vehicle Assisted VFC System with Smart Parking: An Auction Approach. , 2018, , .		4
49	QoS-Aware Mobile Edge Computing System: Multi-Server Multi-User Scenario. , 2018, , .		15
50	Beam-Aware Dormant and Scheduling Mechanism for 5G Millimeter Wave Cellular Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 10935-10949.	6.3	13
51	Directional Reference Signal Design for 5G Millimeter Wave Cellular Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 10740-10751.	6.3	6
52	A Novel Forwarding Policy under Cloud Radio Access Network with Mobile Edge Computing Architecture. , 2018, , .		6
53	Efficient Beam Sweeping Paging in Millimeter Wave 5G Networks. , 2018, , .		13
54	Scheduling and adaptive resource allocation on ICIC with testbed implementation. , 2018, , .		2

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55	LADTRAM: A Coalition Funded Framework for Localized Advertisements Over D2D. IEEE Transactions on Vehicular Technology, 2018, 67, 9801-9815.	6.3	4
56	Task offloading and resource allocation in mobile-edge computing system. , 2018, , .		53
57	Empowering Device-to-Device Networks with Cross-Link Interference Management. IEEE Transactions on Mobile Computing, 2017, 16, 950-963.	5.8	8
58	Max-Utility resource allocation for indoor small cell networks. IET Communications, 2017, 11, 267-272.	2.2	3
59	5G Radio Access Network Design with the Fog Paradigm: Confluence of Communications and Computing. , 2017, 55, 46-52.		106
60	Enabling Low-Latency Applications in Fog-Radio Access Networks. IEEE Network, 2017, 31, 52-58.	6.9	147
61	Max-throughput interference avoidance mechanism for indoor self-organizing small cell networks. ICT Express, 2017, 3, 132-136.	4.8	5
62	Energy-Efficient Millimeter-Wave M2M 5G Systems with Beam-Aware DRX Mechanism. , 2017, , .		16
63	A Flexible IoT RAN System Based on SDR with Optimal Antenna Distribution. , 2017, , .		1
64	Outage reduction with joint scheduling and power allocation in 5G mmWave cellular networks. , 2017, , .		9
65	Inter-client interference cancellation for full-duplex networks. , 2017, , .		20
66	Millimeter-Wave Multi-Hop Wireless Backhauling for 5G Cellular Networks. , 2017, , .		31
67	A Voting-Based Femtocell Downlink Cell-Breathing Control Mechanism. IEEE/ACM Transactions on Networking, 2016, 24, 85-98.	3.8	16
68	Fog RAN over General Purpose Processor Platform. , 2016, , .		5
69	Dynamic Inter-Channel Resource Allocation for Massive M2M Control Signaling Storm Mitigation. , 2016, , .		4
70	UE autonomous resource selection for D2D communications: Explicit vs. implicit approaches. , 2016, , .		12
71	A Dynamic Estimation of the Unsaturated Buffer in the IEEE 802.11 DCF Network: A Particle Filter Framework Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 5397-5409.	6.3	7
72	To Wait or To Pay: A Game Theoretic Mechanism for Low-Cost M2M and Mission-Critical M2M. IEEE Transactions on Wireless Communications, 2016, 15, 7314-7328.	9.2	15

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73	Multi-cell interference coordinated scheduling in mmWave 5G cellular systems. , 2016, , .		8
74	Protocol Design and Game Theoretic Solutions for Device-to-Device Radio Resource Allocation. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	15
75	Two paradigms in cellular Internet of Things access for energy-harvesting machine-to-machine devices: push-based versus pull-based. IET Wireless Sensor Systems, 2016, 6, 121-129.	1.7	15
76	Accurate Modeling of the DRX Mechanism with Predetermined DRX Cycles Based on the 3GPP LTE Standard. Mobile Networks and Applications, 2016, 21, 259-271.	3.3	7
77	Dynamic Resource Allocation and Advertisement Revenue Optimization for TV Over eMBMS. IEEE Transactions on Broadcasting, 2016, 62, 579-597.	3.2	2
78	Estimation and Adaptation for Bursty LTE Random Access. IEEE Transactions on Vehicular Technology, 2016, 65, 2560-2577.	6.3	73
79	Context-Aware Dynamic Resource Allocation for Cellular M2M Communications. IEEE Internet of Things Journal, 2016, 3, 318-326.	8.7	24
80	Multiplexing-Diversity Medium Access for Multi-User MIMO Networks. IEEE Transactions on Mobile Computing, 2016, 15, 1211-1223.	5.8	4
81	Resource Block Allocation with Carrier-Aggregation: A Strategy-Proof Auction Design. IEEE Transactions on Mobile Computing, 2016, 15, 3142-3155.	5.8	13
82	Device-to-Device Communication in LTE-Advanced System: A Strategy-Proof Resource Exchange Framework. IEEE Transactions on Vehicular Technology, 2016, 65, 10022-10036.	6.3	15
83	Auction-Based Random Access Load Control for Time-Dependent Machine-to-Machine Communications. IEEE Internet of Things Journal, 2016, 3, 658-672.	8.7	17
84	Handover mechanism for device-to-device communication. , 2015, , .		25
85	LTE-D broadcast with distributed interference-aware D2D resource allocation. , 2015, , .		5
86	Incentive Compatible Mode Selection and Spectrum Partitioning in Overlay D2D-Enabled Network. , 2015, , .		6
87	HybridCast: Joint multicast-unicast design for multiuser MIMO networks. , 2015, , .		7
88	DeepSleep: IEEE 802.11 enhancement for energy-harvesting machine-to-machine communications. Wireless Networks, 2015, 21, 357-370.	3.0	35
89	Strategy-Proof Resource Allocation Mechanism for Multi-Flow Wireless Multicast. IEEE Transactions on Wireless Communications, 2015, 14, 3143-3156.	9.2	13
90	Energy-aware waiting-line based resource allocation in cellular network with m2m/h2h co-existence. , 2015, , .		5

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91	Evaluation of LTE access class barring mechanism for IoT. , 2015, , .		7
92	A Distributed Multi-Channel Feedbackless MAC Protocol for D2D Broadcast Communications. IEEE Wireless Communications Letters, 2015, 4, 102-105.	5.0	16
93	Dynamic TDD Interference Mitigation by Using Soft Reconfiguration. , 2015, , .		9
94	Investigating the Mediating Role of Affective Commitment in a Computer Supported Collaborative Learning Environment. International Journal of Technology and Educational Marketing, 2014, 4, 62-71.	0.1	1
95	Centralized Interference-Aware Resource Allocation for Device-to-Device Broadcast Communications. , 2014, , .		13
96	Dynamic Estimation of Unsaturated Buffer in Context-Aware M2M WiFi Network. , 2014, , .		1
97	A multi-period resource auction scheme for machine-to-machine communications. , 2014, , .		6
98	Performance Evaluation for Energy-Harvesting Machine-Type Communication in LTE-A System. , 2014, , .		3
99	A Soft Fault Detection Mechanism with High Accuracy on Machine-to-Machine Communication Networks. , 2014, , .		3
100	Experiment-Based Smartphone Traffic Modeling and Power Saving Performance Analysis for LTE DRX Mechanism. , 2014, , .		4
101	A multi-level QoE framework for smartphone video streaming applications. , 2014, , .		0
102	Smartphone Traffic Engineering for Energy Efficient Communications: Design and Experimental Evaluation. Wireless Personal Communications, 2014, 74, 1179-1196.	2.7	2
103	Reliable Multicast and Broadcast Mechanisms for Energy-Harvesting Devices. IEEE Transactions on Vehicular Technology, 2014, 63, 1813-1826.	6.3	17
104	Network access for M2M/H2H hybrid systems: a game theoretic approach. IEEE Communications Letters, 2014, 18, 845-848.	4.1	51
105	A dual-functional additive improves the performance of molecular bulk heterojunction photovoltaic cells. RSC Advances, 2014, 4, 9401.	3.6	22
106	Resource allocation in D2D communication - A game theoretic approach. , 2014, , .		8
107	Bio-Inspired Proximity Discovery and Synchronization for D2D Communications. IEEE Communications Letters, 2013, 17, 2300-2303.	4.1	47
108	Event-driven energy-harvesting wireless sensor network for structural health monitoring. , 2013, , .		5

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109	Profit Maximization in Femtocell Service with Contract Design. IEEE Transactions on Wireless Communications, 2013, 12, 1978-1988.	9.2	14
110	Organic solar cells featuring nanobowl structures. Energy and Environmental Science, 2013, 6, 1192.	30.8	26
111	Optimal pricing in stochastic scalable video coding multicasting system. , 2013, , .		8
112	Design and analysis for reliable broadcast transmission in energy harvesting networks. , 2012, , .		1
113	Markov chain performance model for IEEE 802.11 devices with energy harvesting source. , 2012, , .		19
114	Overload control for Machine-Type-Communications in LTE-Advanced system. , 2012, 50, 38-45.		144
115	Energy Efficient Networking with IEEE 802.16m Femtocell Low Duty Mode. Mobile Networks and Applications, 2012, 17, 674-684.	3.3	2
116	Wet-milled transition metal oxide nanoparticles as buffer layers for bulk heterojunction solar cells. RSC Advances, 2012, 2, 7487.	3.6	35
117	Dual-color electrochromic films incorporating a periodic polymer nanostructure. RSC Advances, 2012, 2, 4746.	3.6	13
118	A counter electrode based on hollow spherical particles of polyaniline for a dye-sensitized solar cell. Journal of Materials Chemistry, 2012, 22, 14727.	6.7	46
119	Performance evaluation of radio access network overloading from machine type communications in LTE-A networks. , 2012, , .		6
120	Highly conductive PEDOT:PSS electrode by simple film treatment with methanol for ITO-free polymer solar cells. Energy and Environmental Science, 2012, 5, 9662.	30.8	705
121	Synthesis and applications of novel low bandgap star-burst molecules containing a triphenylamine core and dialkylated diketopyrrolopyrrole arms for organic photovoltaics. Journal of Materials Chemistry, 2012, 22, 7945.	6.7	86
122	DeepSleep: IEEE 802.11 enhancement for energy-harvesting Machine-to-Machine communications. , 2012, , .		3
123	Energy-Aware Transmission Control for Wireless Sensor Networks Powered by Ambient Energy Harvesting: A Game-Theoretic Approach. , 2011, , .		28
124	A composite catalytic film of PEDOT:PSS/TiN@NPs on a flexible counter-electrode substrate for a dye-sensitized solar cell. Journal of Materials Chemistry, 2011, 21, 19021.	6.7	73
125	On-Demand Resource-Sharing Mechanism Design in Two-Tier OFDMA Femtocell Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 1059-1071.	6.3	88
126	Incentive Compatible Configuration for Wireless Multicast: A Game Theoretic Approach. IEEE Transactions on Vehicular Technology, 2011, 60, 3520-3525.	6.3	1

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127	Modeling and analysis of applying adaptive modulation coding in wireless multicast and broadcast systems. <i>Wireless Networks</i> , 2011, 17, 1373-1386.	3.0	1
128	Synchronous multicast and broadcast service in multi-rate IEEE 802.16j WiMAX relay network. <i>Wireless Networks</i> , 2011, 17, 1795-1807.	3.0	2
129	Paging and Location Management in IEEE 802.16j Multihop Relay Network. <i>Journal of Computer Systems, Networks, and Communications</i> , 2010, 2010, 1-15.	1.2	3
130	Cross-Layer Adaptive H.264/AVC Streaming over IEEE 802.11e Experimental Testbed. , 2010, , .		5
131	Multi-Group Wireless Multicast Broadcast Services Using Adaptive Modulation and Coding: Modeling and Analysis. , 2010, , .		1
132	Improving online game performance over IEEE 802.11n networks. , 2010, , .		3
133	Revenue extraction in overlay macrocell-femtocell system under shared spectrum model. , 2010, , .		2
134	Using a low temperature crystallization process to prepare anatase TiO ₂ buffer layers for air-stable inverted polymer solar cells. <i>Energy and Environmental Science</i> , 2010, 3, 654.	30.8	49
135	Dynamic Auction Mechanism for Cloud Resource Allocation. , 2010, , .		119
136	IEEE 802.11n MAC Enhancement and Performance Evaluation. <i>Mobile Networks and Applications</i> , 2009, 14, 760-771.	3.3	95
137	Network Coding Based Data Distribution in WiMAX. , 2009, , .		4
138	Access Gateway Discovery and Selection in Hybrid Multihop Relay Vehicular Network. , 2008, , .		2
139	Mobile Chord: Enhancing P2P Application Performance over Vehicular Ad Hoc Network. , 2008, , .		12
140	Nash Bargaining Solution for Cooperative Shared-Spectrum WLAN Networks. , 2007, , .		3
141	Seamless Handoff Support in Wireless Mesh Networks. , 2006, , .		11
142	Design of 802.16 WIMAX Based Radio Access Network. , 2006, , .		2
143	On Admission of VoIP Calls Over Wireless Mesh Network. , 2006, , .		32
144	Incentive Mechanism Design for Selfish Hybrid Wireless Relay Networks. <i>Mobile Networks and Applications</i> , 2005, 10, 929-937.	3.3	13