

Meng Chang Chen

List of Publications by Year in descending order

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105
papers

1,758
citations

471509

17
h-index

302126

39
g-index

107
all docs

107
docs citations

107
times ranked

1546
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending the TAM model to explore the factors that affect Intention to Use an Online Learning Community. Computers and Education, 2010, 54, 600-610.	8.3	487
2	An anonymous multi-server authenticated key agreement scheme based on trust computing using smart cards and biometrics. Expert Systems With Applications, 2014, 41, 1411-1418.	7.6	183
3	A framework of handoffs in wireless overlay networks based on mobile IPv6. IEEE Journal on Selected Areas in Communications, 2005, 23, 2118-2128.	14.0	91
4	Using chi-square statistics to measure similarities for text categorization. Expert Systems With Applications, 2011, 38, 3085-3090.	7.6	90
5	DEEP: Density-Aware Emergency Message Extension Protocol for VANETs. IEEE Transactions on Wireless Communications, 2013, 12, 4983-4993.	9.2	62
6	The influences of self-regulated learning support and prior knowledge on improving learning performance. Computers and Education, 2018, 126, 37-52.	8.3	54
7	Life Cycle Modeling of News Events Using Aging Theory. Lecture Notes in Computer Science, 2003, , 47-59.	1.3	53
8	Using Incremental PLSI for Threshold-Resilient Online Event Analysis. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 289-299.	5.7	51
9	PVA: A Self-Adaptive Personal View Agent. Journal of Intelligent Information Systems, 2002, 18, 173-194.	3.9	46
10	A scalable network forensics mechanism for stealthy self-propagating attacks. Computer Communications, 2013, 36, 1471-1484.	5.1	46
11	An Aging Theory for Event Life-Cycle Modeling. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 237-248.	2.9	40
12	ACIRD: intelligent Internet document organization and retrieval. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 599-614.	5.7	35
13	Seamless Handover for High-Speed Trains Using Femtocell-Based Multiple Egress Network Interfaces. IEEE Transactions on Wireless Communications, 2014, 13, 6619-6628.	9.2	31
14	An incentive-based fairness mechanism for multi-hop wireless backhaul networks with selfish nodes. IEEE Transactions on Wireless Communications, 2008, 7, 697-704.	9.2	29
15	TCP Throughput Enhancement over Wireless Mesh Networks. , 2007, 45, 64-70.		25
16	TSCAN: A Content Anatomy Approach to Temporal Topic Summarization. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 170-183.	5.7	22
17	A novel network mobility management scheme supporting seamless handover for high-speed trains. Computer Communications, 2014, 37, 53-63.	5.1	22
18	A Differentiated Service Model for Enhanced Distributed Channel Access (EDCA) of IEEE 802.11e WLANs. Mobile Networks and Applications, 2007, 12, 69-77.	3.3	19

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19	Data Allocation and Dynamic Load Balancing for Distributed Video Storage Server. Journal of Visual Communication and Image Representation, 1999, 10, 197-218.	2.8	18
20	WF2Q-M: Worst-case fair weighted fair queueing with maximum rate control. Computer Networks, 2007, 51, 1403-1420.	5.1	17
21	TEDQuiz: Automatic Quiz Generation for TED Talks Video Clips to Assess Listening Comprehension. , 2014, , .		16
22	When client/server isn't enough: coordinating multiple distributed tasks. Computer, 1994, 27, 73-79.	1.1	15
23	Designing the ON-OFF CBR transmission schedule for jitter-free VBR media playback in real-time networks. , 0, , .		15
24	An adaptive threshold framework for event detection using HMM-based life profiles. ACM Transactions on Information Systems, 2009, 27, 1-35.	4.9	14
25	A Workload Analysis of Live Event Broadcast Service in Cloud. Procedia Computer Science, 2013, 19, 1028-1033.	2.0	12
26	An Automatic Quiz Generation System for English Text. , 2007, , .		11
27	Behavior grouping of Android malware family. , 2016, , .		11
28	MTRA: An on-line hose-model VPN provisioning algorithm. Telecommunication Systems, 2006, 31, 379-398.	2.5	10
29	Resource management issues in 5G ultra dense smallcell networks. , 2015, , .		10
30	A Mobile Proxy Architecture for Video Services Over High-Speed Rail Environments in LTE-A Networks. IEEE Systems Journal, 2015, 9, 1264-1272.	4.6	10
31	Characterize the minimum required resources for admission control of pre-recorded VBR video transmission by an $O(n \log n)$ algorithm. , 0, , .		9
32	ANTSdroid: Automatic Malware Family Behaviour Generation and Analysis for Android Apps. Lecture Notes in Computer Science, 2018, , 796-804.	1.3	8
33	Hardware-Assisted MMU Redirection for In-Guest Monitoring and API Profiling. IEEE Transactions on Information Forensics and Security, 2020, 15, 2402-2416.	6.9	8
34	HiMIP-NEMO: Combining Cross-Layer Network Mobility Management and Resource Allocation for Fast QoS-Handovers. IEEE Vehicular Technology Conference, 2008, , .	0.4	7
35	Collaborative scheme for VoIP traceback. Digital Investigation, 2011, 7, 185-195.	3.2	7
36	Protocol and architecture supports for network mobility with QoS-handover for high-velocity vehicles. Wireless Networks, 2013, 19, 811-830.	3.0	7

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37	A cooperative botnet profiling and detection in virtualized environment. , 2013, , .		7
38	SDN-based resource allocation scheme in ultra-dense OFDMA smallcell networks. , 2016, , .		7
39	Open Source Intelligence for Malicious Behavior Discovery and Interpretation. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	5.4	7
40	Interframe-Space (IFS)-Based Distributed Fair Queuing for Proportional Fairness in IEEE 802.11 WLANs. IEEE Transactions on Vehicular Technology, 2007, 56, 1366-1373.	6.3	6
41	Optimal Incentive-Compatible Pricing for Dynamic Bandwidth Trading and Allocation in Efficient Spectrum Management. , 2011, , .		6
42	Slow-Paced Persistent Network Attacks Analysis and Detection Using Spectrum Analysis. IEEE Systems Journal, 2016, 10, 1326-1337.	4.6	6
43	The Effects of Background Music on Game-Based Learning: A Cognitive Style Approach. Asia-Pacific Education Researcher, 2019, 28, 495-508.	3.7	6
44	Traffic engineering for hose-model VPN provisioning. , 2005, , .		5
45	Proportional fairness for QoS enhancement in IEEE 802.11e WLANs. , 2005, , .		5
46	Enhanced bulk scheduling for supporting delay sensitive streaming applications. Computer Networks, 2008, 52, 971-987.	5.1	5
47	NASH: Navigation-assisted seamless handover scheme for LTE-A smallcell networks. , 2015, , .		5
48	A Study of a Life Logging Smartphone App and Its Power Consumption Observation in Location-Based Service Scenario. , 2015, , .		5
49	NASH: Navigation-Assisted Seamless Handover Scheme for Smart Car in Ultradense Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1649-1659.	6.3	5
50	Predictive flow control for TCP-friendly end-to-end real-time video on the Internet. Computer Communications, 2002, 25, 1230-1242.	5.1	4
51	Fast and secure universal roaming service for mobile Internet. , 2005, , .		4
52	Sniffing out correct error frame model for the ns-2 simulator. Simulation Modelling Practice and Theory, 2009, 17, 1227-1240.	3.8	4
53	Behavior profiling for robust anomaly detection. , 2010, , .		4
54	A Secure Proxy-Based Cross-Domain Communication for Web Mashups. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
55	PM2.5 Forecasting Using Pre-trained Components. , 2018, , .		4
56	Tagging Malware Intentions by Using Attention-Based Sequence-to-Sequence Neural Network. Lecture Notes in Computer Science, 2019, , 660-668.	1.3	4
57	A Collaborative Forensics Framework for VoIP Services in Multi-network Environments. Lecture Notes in Computer Science, 2008, , 260-271.	1.3	4
58	A Per-Class QoS Service Model in IEEE 802.11e WLANs. , 0, , .		3
59	A new per-class flow fixed proportional differentiated service for multi-service wireless LAN. Computer Networks, 2007, 51, 767-780.	5.1	3
60	Assessment of an Online Learning Community from Technology Acceptance Model in Education. , 2008, , .		3
61	PLASH: a platform for location aware services with human computation. , 2010, 48, 44-51.		3
62	A Robust Estimation Scheme of Reading Difficulty for Second Language Learners. , 2011, , .		3
63	Dynamic bandwidth reservation scheme in 802.11 and 802.16 interworking networks. , 2011, , .		3
64	A Two-Stage Link Scheduling Scheme for Variable-Bit-Rate Traffic Flows in Wireless Mesh Networks. IEEE Transactions on Wireless Communications, 2014, 13, 6232-6244.	9.2	3
65	Composite Neural Network: Theory and Application to PM2.5 Prediction. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	3
66	Hedging via Opinion-based Pair Trading Strategy. , 2020, , .		3
67	Hipec: A System for Application-customized Virtual-memory Caching Management. Software - Practice and Experience, 1997, 27, 547-571.	3.6	2
68	On maximum rate control of worst-case weighted fair queueing. , 0, , .		2
69	A MAC-layer differentiated service model in IEEE 802.11e WLANs. , 2005, , .		2
70	QRP03-3: Bulk Scheduling for Delay Sensitive Streaming Applications. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
71	A Practical Cross-layer QoS Mechanism for Voice over IP in IEEE 802.11e WLANs. , 2007, , .		2
72	A Study on an Automatic Early-Alert Mechanism for a Tag-based Learning Environment: Development of a Teaching Support Platform Based on a Tag-based Knowledge Acquisition Approach. , 2011, , .		2

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73	A Novel Approach for Developing Automatic Knowledge Construction and Diagnostic System for Tag-Based Learning Environment. , 2011, , .		2
74	A Hybrid Tag-Based Recommendation Mechanism to Support Prior Knowledge Construction. , 2012, , .		2
75	Design of an Online Multimedia Learning System for Improving Students' Perceptions of English Language Learning. , 2016, , .		2
76	TagSeq: Malicious behavior discovery using dynamic analysis. PLoS ONE, 2022, 17, e0263644.	2.5	2
77	Content-Aware Automatic QoS Provisioning for UpnP AV-Based Multimedia Services over Wireless LANs. Lecture Notes in Computer Science, 2005, , 444-452.	1.3	1
78	On the on-line hose-model VPN provisioning. , 2005, , .		1
79	Progressive Analysis Scheme for Web Document Classification. , 0, , .		1
80	A Study of the Web-based Learning System for Supply Chain Management Course Teaching. , 0, , .		1
81	Cross-level behavioral analysis for robust early intrusion detection. , 2010, , .		1
82	GPS Data Based Urban Guidance. , 2011, , .		1
83	PLASH: An ESB-based Platform for Developing and Deploying Location Aware Services with SOC Concepts. , 2012, , .		1
84	Spectrum analysis for detecting slow-paced persistent activities in network security. , 2013, , .		1
85	Coding-Aware Peer-to-Peer Data Repair in Multi-Rate Wireless Networks: A Game Theoretic Analysis. IEEE Journal on Selected Areas in Communications, 2013, 31, 391-398.	14.0	1
86	Congestion avoidance routing for MANETs. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 16, 26.	0.5	1
87	An Investigation of a Two-Tier Test Strategy in a University Calculus Course: Causes versus Consequences. IEEE Transactions on Learning Technologies, 2016, 9, 146-156.	3.2	1
88	An Investigation of the Effects of Online Test Strategy on Students' Learning Behaviors. , 2016, , .		1
89	A predictable high-throughput file system for video conference recording. , 0, , .		0
90	Design and implementation of a predictable high-throughput video conference recorder. IEEE Transactions on Consumer Electronics, 1996, 42, 63-70.	3.6	0

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91	Inter-frame space (IFS)-based distributed fair queuing in IEEE 802.11 WLANs. , 0, , .		0
92	A Study of χ^2 -test for Text Categorization. , 2006, , .		0
93	Traffic engineering for provisioning restorable hose-model VPNs. , 0, , .		0
94	Bandwidth allocation algorithms for weighted maximum rate constrained link sharing policy. Information Processing Letters, 2006, 97, 238-243.	0.6	0
95	Multi-stage two-leg bandwidth reservation and admission control for advance reservations with uncertain service duration. International Journal of Communication Systems, 2007, 20, 589-612.	2.5	0
96	A Design for Integration of Web 2.0 and an Online Learning Community: A Pilot Study for IWill 2.0. , 2010,, .		0
97	A Workload, Performance and Resource Usage. , 2015, , .		0
98	Profiling temporal event behavior for demand prediction in cloud application performance management. , 2015, , .		0
99	Incorporating digital games into anti-drug material: non-drug-addicted learners vs. drug-addicted learners. Universal Access in the Information Society, 2020, 19, 29-40.	3.0	0
100	Fair and Performance Guaranteed Methods for Flat-Rate Unlimited Access Service Plan. Lecture Notes in Computer Science, 2004, , 392-404.	1.3	0
101	A Distributed Channel Access Scheduling Scheme with Clean-Air Spatial Reuse for Wireless Mesh Networks. Lecture Notes in Computer Science, 2008, , 856-864.	1.3	0
102	Adaptive On-The-Go Scheduling for End-to-End Delay Control in TDMA-Based Wireless Mesh Networks. Lecture Notes in Computer Science, 2011, , 263-274.	1.3	0
103	Distributed Agent-based IP Location System Framework Design. International Journal of Online and Biomedical Engineering, 2013, 9, 4.	1.4	0
104	Forensics Tracking for IP User using the Markov Chain Model. Applied Mathematics and Information Sciences, 2014, 8, 1343-1353.	0.5	0
105	LOST: A Location Estimator Scheme for PM2.5 Pollution Sources in Sparse Sensors Network. , 2020, , .		0