

Henry C B Chan

List of Publications by Year in descending order

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79
papers

1,464
citations

471509

17
h-index

454955

30
g-index

80
all docs

80
docs citations

80
times ranked

1677
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling technologies for wireless body area networks: A survey and outlook. , 2009, 47, 84-93.		422
2	Vita: A Crowdsensing-Oriented Mobile Cyber-Physical System. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 148-165.	4.6	146
3	A Survey on Mobile Social Networks: Applications, Platforms, System Architectures, and Future Research Directions. IEEE Communications Surveys and Tutorials, 2015, 17, 1557-1581.	39.4	146
4	Dynamic reservation TDMA protocol for wireless ATM networks. IEEE Journal on Selected Areas in Communications, 2001, 19, 370-383.	14.0	54
5	Key management issues in wireless sensor networks: current proposals and future developments. IEEE Wireless Communications, 2007, 14, 76-84.	9.0	47
6	Polling-based protocols for packet voice transport over IEEE 802.11 wireless local area networks. IEEE Wireless Communications, 2006, 13, 22-29.	9.0	43
7	S-Aframe: Agent-Based Multilayer Framework With Context-Aware Semantic Service for Vehicular Social Networks. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 44-63.	4.6	39
8	A web-enabled framework for smart card applications in health services. Communications of the ACM, 2001, 44, 76-82.	4.5	35
9	A framework for optimizing the cost and performance of next-generation IP routers. IEEE Journal on Selected Areas in Communications, 1999, 17, 1013-1029.	14.0	33
10	An energy-efficient and cluster-parent based RPL with power-level refinement for low-power and lossy networks. Computer Communications, 2017, 104, 17-33.	5.1	33
11	WLC14-6: A Location-Based Vertical Handoff Decision Algorithm for Heterogeneous Mobile Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	30
12	A Reliability Enhanced Address Mapping Strategy for Three-Dimensional (3-D) NAND Flash Memory. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 2402-2410.	3.1	28
13	Memory-Aware Task Scheduling with Communication Overhead Minimization for Streaming Applications on Bus-Based Multiprocessor System-on-Chips. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1797-1807.	5.6	23
14	QoS-Based Cross-Layer Scheduling for Wireless Multimedia Transmissions with Adaptive Modulation and Coding. IEEE Transactions on Communications, 2013, 61, 4526-4538.	7.8	21
15	Decentralized adaptive indoor positioning protocol using Bluetooth Low Energy. Computer Communications, 2020, 159, 231-244.	5.1	20
16	A Reliability-Aware Address Mapping Strategy for NAND Flash Memory Storage Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2014, 33, 1623-1631.	2.7	19
17	Mobile RFID with a High Identification Rate. IEEE Transactions on Computers, 2014, 63, 1778-1792.	3.4	19
18	A SIP-Based Seamless-Handoff (S-SIP) Scheme for Heterogeneous Mobile Networks. , 2007, , .		18

#	ARTICLE	IF	CITATIONS
19	Quality-of-Experience Optimization for a Cloud Gaming System With <i>Ad Hoc</i> Cloudlet Assistance. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 2092-2104.	8.3	18
20	Smartphone-assisted energy efficient data communication for wearable devices. Computer Communications, 2017, 105, 33-43.	5.1	17
21	Cognitive Resource Optimization for the Decomposed Cloud Gaming Platform. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 2038-2051.	8.3	16
22	Proof-of-Play. , 2019, , .		15
23	Fuzzy Logic-Based Resource Allocation Algorithm for V2X Communications in 5G Cellular Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2501-2513.	14.0	15
24	A novel multiple access scheme over multi-packet reception channels for wireless multimedia networks. IEEE Transactions on Wireless Communications, 2007, 6, 1501-1511.	9.2	13
25	A Distributed Trust Evaluation Protocol with Privacy Protection for Intercloud. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1208-1221.	5.6	12
26	Business-to-Consumer Mobile Agent-Based Internet Commerce System (MAGICS). IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 1174-1189.	2.9	11
27	An argumentation-oriented multi-agent system for automating the freight planning process. Expert Systems With Applications, 2013, 40, 3858-3871.	7.6	11
28	Next generation mobility management: an introduction. Wireless Communications and Mobile Computing, 2011, 11, 446-458.	1.2	10
29	Agent-based flight planning system for enhancing the competitiveness of the air cargo industry. Expert Systems With Applications, 2012, 39, 11325-11334.	7.6	10
30	Promoting MERLOT Communities Based on OERs in Computer Science and Information Systems. , 2017, , .		9
31	Enhancing interoperability in heterogeneous mobile wireless networks for disaster response. IEEE Transactions on Wireless Communications, 2009, 8, 2424-2433.	9.2	8
32	Utility function of TCP. Computer Communications, 2009, 32, 800-805.	5.1	7
33	Internet of Education Resources Using a Chemistry-Inspired Framework. Computer, 2017, 50, 54-60.	1.1	7
34	BluePrint: BLE Positioning Algorithm Based on NUFO Detection. , 2017, , .		7
35	A Dynamic Reservation Protocol for LEO Mobile Satellite Systems. IEEE Journal on Selected Areas in Communications, 2004, 22, 559-573.	14.0	6
36	A mobile crowdsensing system enhanced by cloud-based social networking services. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
37	Virtual overhearing: An effective way to increase network coding opportunities in wireless ad-hoc networks. Computer Networks, 2016, 105, 111-123.	5.1	6
38	Title is missing!. Wireless Networks, 2000, 6, 251-262.	3.0	5
39	Mobile Intercloud System and Objects Transfer Mechanism. , 2017, , .		5
40	Resource Allocation Based Performance Analysis for 5G Vehicular Networks in Urban Areas. , 2020, , .		5
41	Enhancing the Learning of Computing/IT Students with Open Educational Resources. , 2020, , .		5
42	Enhancing Student Learning Through Mobile Learning Groups. , 2020, , .		5
43	A mobile auction service based on mobile agents: design and analysis. International Journal of Wireless and Mobile Computing, 2008, 3, 101.	0.2	4
44	Cross-Layer Enhanced Uplink Packet Scheduling for Multimedia Traffic Over MC-CDMA Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 986-992.	6.3	4
45	Cross-Layer Optimization for Multimedia Transport over Multicode CDMA Networks. IEEE Transactions on Mobile Computing, 2011, 10, 810-820.	5.8	4
46	Resource management for cognitive cloud gaming. , 2014, , .		4
47	Order-Hiding Range Query over Encrypted Data without Search Pattern Leakage. Computer Journal, 2018, 61, 1806-1824.	2.4	4
48	OER: Six Perspectives on Global Misconceptions and Challenges. , 2019, , .		4
49	Reservation arbitrated access "a bandwidth on demand protocol for multiplexing variable bit rate isochronous traffic over dual bus metropolitan area networks. Computer Networks, 1997, 29, 1969-1990.	1.0	3
50	Cross-Layer Enhanced Real-Time Packet Scheduling over CDMA Networks. , 2006, , .		3
51	Discovering Resources in an Intercloud Environment. , 2017, , .		3
52	Guest Editorial: Special Section on Computing Education & Learning Technologies. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 5-6.	4.6	3
53	PUCS: Personal Unified Communications over Heterogeneous Wireless Networks. , 2009, , .		3
54	Infinity Battle: A Glance at How Blockchain Techniques Serve in a Serverless Gaming System. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Wireless Networks, 1997, 3, 181-194.	3.0	2
56	A Privacy and Price-Aware Inter-Cloud System. , 2015, , .		2
57	The impact of node reliability on indoor cooperative positioning. , 2016, , .		2
58	Development of Mobile Intercloud Applications. , 2019, , .		2
59	Mobile Intercloud System for Edge Cloud Computing. Wireless Communications and Mobile Computing, 2021, 2021, 1-30.	1.2	2
60	Reservation arbitrated access for statistical multiplexing voice traffic over dual-bus metropolitan area networks. IEEE Journal on Selected Areas in Communications, 1999, 17, 42-50.	14.0	1
61	Quantum packet for the next generation network/ISDN3. Journal of Communications and Networks, 2008, 10, 316-330.	2.6	1
62	System and Protocols for secure Intercloud Communications. , 2016, , .		1
63	MeshFS: A distributed file system for cloud-based wireless mesh network. Journal of Systems and Software, 2017, 131, 201-217.	4.5	1
64	Access Pattern Hidden Query over Encrypted Data through Multi-Clouds. , 2017, , .		1
65	Study TOUR for Computer Science Students. , 2019, , .		1
66	Enhancing Student Learning Through an Open Educational Resource Competition. , 2021, , .		1
67	Integrated Services over ATM/MAN-Based Personal Communication Networks. Wireless Personal Communications, 2000, 15, 43-59.	2.7	0
68	Integrating connectionless and connection-oriented traffic using quantum packets. Computer Communications, 2005, 28, 898-907.	5.1	0
69	Two Cross-Layer Optimization Methods for Transporting Multimedia Traffic Over Multicode CDMA Networks. , 2007, , .		0
70	Analysis of a Polling Protocol for Packet Voice Transport over IEEE 802.11 Wireless LANs. IEEE Vehicular Technology Conference, 2008, , .	0.4	0
71	Dynamic and interactive intelligent signage system. , 2012, , .		0
72	Message: From the technical program chairs. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
73	Message from the CEEP Workshop Organizers. , 2016, , .		0
74	Message from the CELT Organizing Committee. , 2016, , .		0
75	Message from OER 2017 Workshop Organizers. , 2017, , .		0
76	Smart Computing Applications Using BLE and Mobile Intercloud Technologies. , 2020, , .		0
77	Developing Predictors for Student Involvement in Generic Competency Development Activities in Smart Learning Environment. , 2020, , .		0
78	Message from the CELT 2018 Symposium Co-Chairs. , 2018, , .		0
79	CARES Model for Computing Education. , 2021, , .		0