

Ho-Shin Cho

List of Publications by Year in descending order

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61
papers

614
citations

759233

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61
all docs

61
docs citations

61
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	A Distributed Data-Gathering Protocol Using AUV in Underwater Sensor Networks. Sensors, 2015, 15, 19331-19350.	3.8	88
2	Mathematical Analysis of Secondary User Traffic in Cognitive Radio System. , 2008, , .		42
3	Data-Gathering Scheme Using AUVs in Large-Scale Underwater Sensor Networks: A Multihop Approach. Sensors, 2016, 16, 1626.	3.8	36
4	Performance analysis of an elevator system during up-peak. Mathematical and Computer Modelling, 2009, 49, 423-431.	2.0	31
5	A cooperative ARQ scheme in underwater acoustic sensor networks. , 2010, , .		25
6	Performance analysis of cross- and cigar-shaped urban microcells considering user mobility characteristics. IEEE Transactions on Vehicular Technology, 2000, 49, 105-116.	6.3	22
7	Power Allocation Scheme for Non-Orthogonal Multiple Access in Underwater Acoustic Communications. Sensors, 2017, 17, 2465.	3.8	22
8	Cascading Multi-Hop Reservation and Transmission in Underwater Acoustic Sensor Networks. Sensors, 2014, 14, 18390-18409.	3.8	21
9	A delay-tolerant OFDMA-based MAC protocol for underwater acoustic sensor networks. , 2011, , .		20
10	An Improved ARQ Scheme in Underwater Acoustic Sensor Networks. , 2008, , .		18
11	Effect of Link Misalignment in the Optical-Internet of Underwater Things. Electronics (Switzerland), 2020, 9, 646.	3.1	18
12	Capacity analysis of spectrally overlaid macro/microcellular cdma systems supporting multiple types of traffic. IEEE Transactions on Vehicular Technology, 2003, 52, 333-346.	6.3	16
13	Throughput and Energy Efficiency of a Cooperative Hybrid ARQ Protocol for Underwater Acoustic Sensor Networks. Sensors, 2013, 13, 15385-15408.	3.8	16
14	Biological Oscillators in Nanonetworksâ€™ Opportunities and Challenges. Sensors, 2018, 18, 1544.	3.8	16
15	A Time-Slotted Data Gathering Medium Access Control Protocol Using Q-Learning for Underwater Acoustic Sensor Networks. IEEE Access, 2021, 9, 48742-48752.	4.2	16
16	SOUNET: Self-Organized Underwater Wireless Sensor Network. Sensors, 2017, 17, 0283.	3.8	14
17	UCMAC: A Cooperative MAC Protocol for Underwater Wireless Sensor Networks. Sensors, 2018, 18, 1969.	3.8	14
18	A Packet Scheduling Scheme to Support Real-Time Traffic in OFDMA Systems. IEEE Vehicular Technology Conference, 2007, , .	0.4	12

#	ARTICLE	IF	CITATIONS
19	A Time-Slotted Molecular Communication (TS-MOC): Framework and Time-Slot Errors. IEEE Access, 2019, 7, 78146-78158.	4.2	12
20	A CDMA-Based MAC Protocol in Tree-Topology for Underwater Acoustic Sensor Networks. , 2009, , .		11
21	A cooperative ARQ scheme for multi-hop underwater acoustic sensor networks. , 2011, , .		10
22	A Hybrid Sender- and Receiver-Initiated Protocol Scheme in Underwater Acoustic Sensor Networks. Sensors, 2015, 15, 28052-28069.	3.8	10
23	A Heuristic Method for Channel Allocation and Scheduling in an OFDMA System. ETRI Journal, 2008, 30, 741-743.	2.0	9
24	A Simultaneous Drug Release Scheme for Targeted Drug Delivery Using Molecular Communications. IEEE Access, 2020, 8, 91770-91778.	4.2	8
25	A comparison of system performance using two different chip pulses in multiple-chip-rate DS/CDMA systems. IEEE Transactions on Communications, 2001, 49, 1988-1996.	7.8	7
26	A Novel Channel Allocation and Scheduling Algorithm in OFDMA System. , 2006, , .		7
27	Network Allocation Vector (NAV) Optimization for Underwater Handshaking-Based Protocols. Sensors, 2017, 17, 32.	3.8	7
28	A Molecular Communication-Based Simultaneous Targeted-Drug Delivery Scheme. IEEE Access, 2021, 9, 96658-96670.	4.2	7
29	Throughput and Delay Analysis of an Underwater CSMA/CA Protocol with Multi-RTS and Multi-DATA Receptions. International Journal of Distributed Sensor Networks, 2016, 12, 2086279.	2.2	6
30	A movable safety zone scheme in urban fiber-optic microcellular systems. IEEE Transactions on Vehicular Technology, 1999, 48, 1099-1109.	6.3	5
31	Impact of MAC on Localization in Large-Scale Seabed Sensor Networks. , 2011, , .		5
32	Social-Aware Peer Selection for Device-to-Device Communications in Dense Small-Cell Networks. Electronics (Switzerland), 2019, 8, 670.	3.1	5
33	Topology-Aware Reinforcement Learning Routing Protocol in Underwater Wireless Sensor Networks. , 2019, , .		5
34	A TDMA-Based Data Gathering Protocol for Molecular Communication via Diffusion-Based Nano-Sensor Networks. IEEE Sensors Journal, 2021, 21, 19582-19595.	4.7	5
35	Power Control for MACA-based Underwater MAC Protocol: A Q-Learning Approach. , 2021, , .		5
36	High reuse efficiency of radio resources in urban microcellular systems. IEEE Transactions on Vehicular Technology, 2000, 49, 1669-1677.	6.3	4

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37	Four-sector cross-shaped urban microcellular systems with intelligent switched-beam antennas. IEEE Transactions on Vehicular Technology, 2001, 50, 592-604.	6.3	4
38	Experimental study on the effect of codirectional Raman gain on system's performance. Optics Express, 2007, 15, 6146.	3.4	4
39	A Biochemical Oscillator Using Excitatory Molecules for Nanonetworks. IEEE Transactions on Nanobioscience, 2016, 15, 765-774.	3.3	4
40	Interference Management Using Crossed-Slot in Dynamic Time Division Duplexing Systems. IEEE Access, 2019, 7, 135377-135385.	4.2	4
41	Genetic Algorithm-Based Energy Efficiency Maximization for Social-Aware Device-to-Device Communications. IEEE Access, 2021, 9, 71920-71931.	4.2	4
42	A multihop data-gathering scheme using multiple AUVs in hierarchical underwater sensor networks. , 2016, , .		3
43	OrMAC: A Hybrid MAC Protocol Using Orthogonal Codes for Channel Access in M2M Networks. Sensors, 2017, 17, 2138.	3.8	3
44	In-Body Sequential Multidrug Delivery Scheme Using Molecular Communication. IEEE Access, 2022, 10, 39975-39985.	4.2	3
45	Time-Efficient High-Rate Data Flooding in One-Dimensional Acoustic Underwater Sensor Networks. Sensors, 2015, 15, 27671-27691.	3.8	2
46	A Signaling-Free Underwater Code Division Multiple Access Scheme. Electronics (Switzerland), 2019, 8, 880.	3.1	2
47	Probability Distribution of a Signal's Peak Time in a Molecular Diffusive Media. IEEE Communications Letters, 2021, 25, 3833-3837.	4.1	1
48	Radio Resource Allocation for Real-Time Traffic with Multi-Level Delay Constraint in OFDMA System. IEICE Transactions on Communications, 2010, E93-B, 1224-1231.	0.7	1
49	System Dwelling Times of Secondary Call in Cognitive Radio Systems. IEICE Transactions on Communications, 2011, E94-B, 2170-2173.	0.7	1
50	A Network Coding Scheme with Code Division Multiple Access in Underwater Acoustic Sensor Networks. Journal of the Acoustical Society of Korea, 2013, 32, 86-94.	0.1	1
51	A Fast Converged Solution for Power Allocation of OFDMA System. Journal of Electrical Engineering and Technology, 2014, 9, 721-725.	2.0	1
52	Reinforcement Learning-Based Power Control for MACA-Based Underwater MAC Protocol. IEEE Access, 2022, 10, 71044-71053.	4.2	1
53	Packet-level performance under mixed-traffic conditions in TD-CDMA/TDD system. , 0, , .		0
54	Call Blocking Probability for Heterogeneous and Asymmetrical Traffics in a TD-CDMA System. IEEE Communications Letters, 2004, 8, 706-708.	4.1	0

#	ARTICLE	IF	CITATIONS
55	A Mathematical Derivation of a Resource Allocation Matrix for an OFDMA System. , 2007, , .		0
56	A power allocation scheme maximizing a discrete capacity function of OFDMA system. , 2009, , .		0
57	Timing Alignment in Molecular-Communication-Based Nanonetworks. IEEE Communications Magazine, 2021, 59, 54-60.	6.1	0
58	An Efficient ARQ for Multi-Hop Underwater Acoustic Channel with Long Propagation Delay and High Bit-Error Rate. Journal of the Acoustical Society of Korea, 2011, 30, 86-91.	0.1	0
59	A Self-organized Network Topology Configuration in Underwater Sensor Networks. Journal of the Acoustical Society of Korea, 2012, 31, 542-550.	0.1	0
60	Closed-Loop Power Control for Code Division Multiple Access in Time-Varying Underwater Acoustic Channel. Journal of the Institute of Electronics and Information Engineers, 2015, 52, 32-40.	0.0	0
61	Performance evaluation of diversity reception of underwater acoustic code division multiple access using lake experiment. Journal of the Acoustical Society of Korea, 2017, 36, 39-48.	0.1	0