

Dan Keun Sung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8713057/publications.pdf>

Version: 2024-02-01

337
papers

4,852
citations

159585

30
h-index

161849

54
g-index

337
all docs

337
docs citations

337
times ranked

3584
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-user diversity in a spectrum sharing system. IEEE Transactions on Wireless Communications, 2009, 8, 102-106.	9.2	245
2	Solar Power Prediction Based on Satellite Images and Support Vector Machine. IEEE Transactions on Sustainable Energy, 2016, 7, 1255-1263.	8.8	241
3	A Network-Assisted User-Centric WiFi-Offloading Model for Maximizing Per-User Throughput in a Heterogeneous Network. IEEE Transactions on Vehicular Technology, 2014, 63, 1940-1945.	6.3	128
4	Enhanced Markov Chain Model and Throughput Analysis of the Slotted CSMA/CA for IEEE 802.15.4 Under Unsaturated Traffic Conditions. IEEE Transactions on Vehicular Technology, 2009, 58, 473-478.	6.3	107
5	Energy-efficient maneuvering and communication of a single UAV-based relay. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2320-2327.	4.7	107
6	A Street-Centric Opportunistic Routing Protocol Based on Link Correlation for Urban VANETs. IEEE Transactions on Mobile Computing, 2016, 15, 1586-1599.	5.8	101
7	The Effect of EV Aggregators With Time-Varying Delays on the Stability of a Load Frequency Control System. IEEE Transactions on Power Systems, 2018, 33, 669-680.	6.5	100
8	A Novel Random Access for Fixed-Location Machine-to-Machine Communications in OFDMA Based Systems. IEEE Communications Letters, 2012, 16, 1428-1431.	4.1	96
9	Interference-based channel assignment for DS-CDMA cellular systems. IEEE Transactions on Vehicular Technology, 1999, 48, 233-239.	6.3	88
10	A Neighbor Coverage-Based Probabilistic Rebroadcast for Reducing Routing Overhead in Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2013, 12, 424-433.	5.8	87
11	Hourly Solar Irradiance Prediction Based on Support Vector Machine and Its Error Analysis. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	80
12	Capacities of single-code and multicode DS-CDMA systems accommodating multiclass services. IEEE Transactions on Vehicular Technology, 1999, 48, 376-384.	6.3	79
13	Spatial Group Based Random Access for M2M Communications. IEEE Communications Letters, 2014, 18, 961-964.	4.1	77
14	Optimal modulation and coding scheme selection in cellular networks with hybrid-ARQ error control. IEEE Transactions on Wireless Communications, 2008, 7, 5195-5201.	9.2	76
15	Adaptive Interference-Aware Multi-Channel Clustering Algorithm in a ZigBee Network in the Presence of WLAN Interference. , 2007, , .		63
16	An application of Markovian arrival process (MAP) to modeling superposed ATM cell streams. IEEE Transactions on Communications, 2002, 50, 633-642.	7.8	60
17	Optimal Rate Adaptation for Hybrid ARQ in Time-Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2011, 10, 968-979.	9.2	59
18	An Enhanced Random Access Scheme With Spatial Group Based Reusable Preamble Allocation in Cellular M2M Networks. IEEE Communications Letters, 2015, 19, 1714-1717.	4.1	58

#	ARTICLE	IF	CITATIONS
19	Effect of Frame Aggregation on the Throughput Performance of IEEE 802.11n. , 2008, , .		55
20	Multiobjective Optimization in Cloud Brokering Systems for Connected Internet of Things. IEEE Internet of Things Journal, 2017, 4, 404-413.	8.7	55
21	The Effects of Cell Size on Energy Saving, System Capacity, and Per-Energy Capacity. , 2010, , .		51
22	A Street-Centric Routing Protocol Based on Microtopology in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5680-5694.	6.3	51
23	Adaptive Transmission Scheme for Mixed Multicast and Unicast Traffic in Cellular Systems. IEEE Transactions on Vehicular Technology, 2009, 58, 2899-2908.	6.3	50
24	Throughput, energy consumption, and energy efficiency of IEEE 802.15.6 body area network (BAN) MAC protocol. , 2012, , .		48
25	An Early Preamble Collision Detection Scheme Based on Tagged Preambles for Cellular M2M Random Access. IEEE Transactions on Vehicular Technology, 2017, 66, 5974-5984.	6.3	48
26	Characterization of soft handoff in CDMA systems. IEEE Transactions on Vehicular Technology, 1999, 48, 1195-1202.	6.3	46
27	Opportunistic Underlay Transmission in Multi-Carrier Cognitive Radio Systems. , 2009, , .		45
28	An Enhanced Access Reservation Protocol With a Partial Preamble Transmission Mechanism in NB-IoT Systems. IEEE Communications Letters, 2017, 21, 2270-2273.	4.1	43
29	Performance-Based Settlement of Frequency Regulation for Electric Vehicle Aggregators. IEEE Transactions on Smart Grid, 2018, 9, 866-875.	9.0	42
30	Orthogonal code hopping multiplexing. IEEE Communications Letters, 2002, 6, 529-531.	4.1	39
31	A Concurrent Transmission Based Broadcast Scheme for Urban VANETs. IEEE Transactions on Mobile Computing, 2019, 18, 1-12.	5.8	38
32	Capacity estimation for an SIR-based power-controlled CDMA system supporting ON-OFF traffic. IEEE Transactions on Vehicular Technology, 2000, 49, 1094-1101.	6.3	37
33	A shifted gamma distribution model for long-range dependent Internet traffic. IEEE Communications Letters, 2003, 7, 124-126.	4.1	37
34	An Estimated Distance-Based Routing Protocol for Mobile Ad hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3473-3484.	6.3	37
35	Performance Analysis of Two Relay Selection Schemes for Cooperative Diversity. , 2007, , .		34
36	Exploring the Dynamic Nature of Mobile Nodes for Predicting Route Lifetime in Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 1567-1572.	6.3	34

#	ARTICLE	IF	CITATIONS
37	A Tradeoff Between Single-User and Multi-User MIMO Schemes in Multi-Rate Uplink WLANs. IEEE Transactions on Wireless Communications, 2011, 10, 3332-3342.	9.2	34
38	Capacity estimation for a multicode CDMA system with SIR-based power control. IEEE Transactions on Vehicular Technology, 2001, 50, 701-710.	6.3	33
39	Adaptive channel reservation scheme for soft handoff in DS-CDMA cellular systems. IEEE Transactions on Vehicular Technology, 2001, 50, 341-353.	6.3	32
40	RawPEACH: Multiband CSMA/CA-based cognitive radio networks. Journal of Communications and Networks, 2009, 11, 175-186.	2.6	32
41	Shortest-Latency Opportunistic Routing in Asynchronous Wireless Sensor Networks with Independent Duty-Cycling. IEEE Transactions on Mobile Computing, 2020, 19, 711-723.	5.8	32
42	Performance analysis of an elevator system during up-peak. Mathematical and Computer Modelling, 2009, 49, 423-431.	2.0	31
43	Delays-dependent region partitioning approach for stability criterion of linear systems with multiple time-varying delays. Automatica, 2018, 87, 389-394.	5.0	31
44	Log-likelihood ratio (LLR) conversion schemes in orthogonal code hopping multiplexing. IEEE Communications Letters, 2003, 7, 104-106.	4.1	30
45	Optimal Rate Selection for Persistent Scheduling with HARQ in Time-Correlated Nakagami-m Fading Channels. IEEE Transactions on Wireless Communications, 2011, 10, 637-647.	9.2	30
46	A Non-Orthogonal Resource Allocation Scheme in Spatial Group Based Random Access for Cellular M2M Communications. IEEE Transactions on Vehicular Technology, 2017, , 1-1.	6.3	30
47	A MIMO-Based Collision Mitigation Scheme in Uplink WLANs. IEEE Communications Letters, 2008, 12, 417-419.	4.1	29
48	A New Mileage Payment for EV Aggregators With Varying Delays in Frequency Regulation Service. IEEE Transactions on Smart Grid, 2018, 9, 2616-2624.	9.0	29
49	Interference mediation for coexistence of WLAN and ZigBee networks. , 2008, , .		28
50	A cooperative phase steering scheme in multi-relay node environments. IEEE Transactions on Wireless Communications, 2009, 8, 72-77.	9.2	28
51	The Effect of Cellular Network-Based Communication Delays in an EV Aggregator's Domain on Frequency Regulation Service. IEEE Transactions on Smart Grid, 2019, 10, 65-73.	9.0	28
52	Queueing model of sleep-mode operation in cellular digital packet data. IEEE Transactions on Vehicular Technology, 2003, 52, 1158-1162.	6.3	27
53	Mobility modeling and traffic analysis in three-dimensional high-rise building environments. IEEE Transactions on Vehicular Technology, 2000, 49, 1633-1640.	6.3	25
54	Optimization of Wireless Multicast Systems Employing Hybrid-ARQ with Chase Combining. IEEE Transactions on Vehicular Technology, 2010, 59, 3342-3355.	6.3	25

#	ARTICLE	IF	CITATIONS
55	A pre-whitening scheme in a MIMO-based spectrum-sharing environment. IEEE Communications Letters, 2008, 12, 831-833.	4.1	24
56	An empirical real-time approximation of waiting time distribution in MMPP(2)/D/1. IEEE Communications Letters, 1998, 2, 17-19.	4.1	23
57	A CAC scheme based on real-time cell loss estimation for ATM multiplexers. IEEE Transactions on Communications, 2000, 48, 252-258.	7.8	23
58	Performance comparison of downlink user multiplexing schemes in IEEE 802.11ac: Multi-user MIMO vs. frame aggregation. , 2012, , .		23
59	Fast, Efficient Broadcast Schemes Based on the Prediction of Dynamics in Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 531-542.	8.0	23
60	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
61	Capacity and Energy Efficiency of Multi-User Spectrum Sharing Systems with Opportunistic Scheduling. IEEE Transactions on Wireless Communications, 2009, 8, 2836-2841.	9.2	22
62	Cross-Layer Performance Analysis for CSMA/CA Protocols: Impact of Imperfect Sensing. IEEE Transactions on Vehicular Technology, 2010, 59, 1100-1108.	6.3	22
63	A group-based communication scheme based on the location information of MTC devices in cellular networks. , 2012, , .		22
64	Measurement-Based Admission Control at Edge Routers. IEEE/ACM Transactions on Networking, 2008, 16, 410-423.	3.8	21
65	Performance Analysis of IEEE 802.11e EDCA With a Virtual Collision Handler. IEEE Transactions on Vehicular Technology, 2008, 57, 1293-1297.	6.3	20
66	TCP transmission rate control mechanism based on channel utilization and contention ratio in AD hoc networks. IEEE Communications Letters, 2009, 13, 280-282.	4.1	20
67	A centralized EV charging scheme based on user satisfaction fairness and cost. , 2013, , .		20
68	Analysis of anomalous TDE data on-board the KITSAT-1. IEEE Transactions on Nuclear Science, 1999, 46, 1586-1594.	2.0	19
69	Mobility modeling and traffic analysis in three-dimensional indoor environments. IEEE Transactions on Vehicular Technology, 1998, 47, 546-557.	6.3	18
70	Steady state analysis of P-MIP mobility management. IEEE Communications Letters, 2003, 7, 278-280.	4.1	18
71	Analysis of a Mobility Management Scheme Considering Battery Power Conservation in IP-Based Mobile Networks. IEEE Transactions on Vehicular Technology, 2004, 53, 1882-1890.	6.3	18
72	Lifetime-Aware Leisure Degree Adaptive Routing Protocol for Mobile Ad Hoc Networks. , 2007, , .		18

#	ARTICLE	IF	CITATIONS
73	TCP Congestion Window Adaptation Through Contention Detection in Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 4578-4588.	6.3	18
74	Artificial Noise-Aided User Scheduling for Optimal Secrecy Multiuser Diversity. IEEE Communications Letters, 2017, 21, 528-531.	4.1	18
75	An Enhanced PRACH Preamble Detector for Cellular IoT Communications. IEEE Communications Letters, 2017, 21, 2678-2681.	4.1	18
76	A Preamble Collision Resolution Scheme via Tagged Preambles for Cellular IoT/M2M Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 1825-1829.	6.3	18
77	A new fast handoff management scheme in ATM-based wireless mobile networks. , 0, , .		17
78	Performance Comparison of Uplink WLANs with Single-User and Multi-User MIMO Schemes. , 2008, , .		17
79	Transmit Power Optimization for Two-Way Relay Channels With Physical-Layer Network Coding. IEEE Communications Letters, 2015, 19, 151-154.	4.1	17
80	Effect of Prediction Error of Machine Learning Schemes on Photovoltaic Power Trading Based on Energy Storage Systems. Energies, 2019, 12, 1249.	3.1	17
81	Capacity evaluation for DS-CDMA systems with multi-class on/off traffic. IEEE Communications Letters, 1998, 2, 153-155.	4.1	16
82	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
83	Capacity Improvement in CDMA Downlink With Orthogonal Code-Hopping Multiplexing. IEEE Transactions on Vehicular Technology, 2006, 55, 510-527.	6.3	16
84	Apartment-level electric vehicle charging coordination: peak load reduction and charging payment minimization. Energy and Buildings, 2020, 223, 110155.	6.7	16
85	Analysis of Throughput and Energy Consumption in a ZigBee Network Under the Presence of Bluetooth Interference. , 2007, , .		14
86	Capacity analysis of simple and opportunistic feedback schemes in OFDMA Systems. , 2007, , .		14
87	Hybrid Scheduling Algorithm for Guaranteeing QoS of Real-Time Traffic in High Speed Uplink Packet Access (HSUPA). , 2007, , .		14
88	A Public Goods Game Theory-Based Approach to Cooperation in VANETs Under a High Vehicle Density Condition. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3995-4005.	8.0	14
89	Resource-Hopping-Based Grant-Free Multiple Access for 6G-Enabled Massive IoT Networks. IEEE Internet of Things Journal, 2021, 8, 15349-15360.	8.7	14
90	DS-CDMA reverse link channel assignment based on interference measurements. Electronics Letters, 1995, 31, 1897-1899.	1.0	13

#	ARTICLE	IF	CITATIONS
91	Soft handoff modeling in CDMA cellular systems. , 0, , .		13
92	Mobility and traffic analyses in three-dimensional PCS environments. IEEE Transactions on Vehicular Technology, 1998, 47, 537-545.	6.3	13
93	Admission control scheme for soft handoff in DS-CDMA cellular systems supporting voice and stream-type data services. IEEE Transactions on Vehicular Technology, 2002, 51, 1445-1459.	6.3	13
94	Effective bandwidth for a single server queueing system with fractional Brownian input. Performance Evaluation, 2005, 61, 203-223.	1.2	13
95	Goodput analysis of a WLAN with hidden nodes under a non-saturated condition. IEEE Transactions on Wireless Communications, 2009, 8, 2259-2264.	9.2	13
96	Prioritized random access for machine-to-machine communications in OFDMA based systems. , 2015, , .		13
97	Message-Embedded Random Access for Cellular M2M Communications. IEEE Communications Letters, 2016, 20, 902-905.	4.1	13
98	Adaptive Multiuser Scheduling for Simultaneous Wireless Information and Power Transfer in a Multicell Environment. IEEE Transactions on Wireless Communications, 2017, 16, 7460-7474.	9.2	13
99	High-performance variable-length packet scheduling algorithm for IP traffic. , 0, , .		13
100	Bit-error probabilities of multicode direct-sequence spread-spectrum multiple-access systems. IEEE Transactions on Communications, 2001, 49, 31-34.	7.8	12
101	Collision Mitigation by Log-Likelihood Ratio (LLR) Conversion in Orthogonal Code-Hopping Multiplexing. IEEE Transactions on Vehicular Technology, 2006, 55, 709-718.	6.3	12
102	A Throughput Balancing Problem between Uplink and Downlink in Multi-user MIMO-Based WLAN Systems. , 2009, , .		12
103	Power allocation policies with full and partial inter-system channel state information for cognitive radio networks. Wireless Networks, 2013, 19, 99-113.	3.0	12
104	Dynamic Access Control With Resource Limitation for Group Paging-Based Cellular IoT Systems. IEEE Internet of Things Journal, 2018, 5, 5065-5075.	8.7	12
105	An Adaptive WLAN Interference Mitigation Scheme for ZigBee Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 851289.	2.2	12
106	Orthogonal code hopping multiplexing for downlink statistical multiplexing. , 0, , .		11
107	Traffic management in a multicode CDMA system supporting soft handoffs. IEEE Transactions on Vehicular Technology, 2002, 51, 52-62.	6.3	11
108	A Spare Bandwidth Sharing Scheme Based on Network Reliability. IEEE Transactions on Reliability, 2005, 54, 123-132.	4.6	11

#	ARTICLE	IF	CITATIONS
109	Analysis of throughput in a ZigBee network under the presence of WLAN interference. , 2007, , .		11
110	Ubiquitous Wearable Computer (UWC)-Aided Coexistence Algorithm in an Overlaid Network Environment of WLAN and ZigBee Networks. , 2007, , .		11
111	Two-Dimensional Channel Estimation and Prediction for Scheduling in Cellular Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2727-2740.	6.3	11
112	Placement of WiFi access points for efficient WiFi offloading in an overlay network. , 2013, , .		11
113	Modeling and analysis of CDMA soft handoff. , 0, , .		10
114	Moving elevator-cell system in indoor buildings. IEEE Transactions on Vehicular Technology, 2000, 49, 1743-1751.	6.3	10
115	Radio resource management in multiple-chip-rate DS/CDMA systems supporting multiclass services. IEEE Transactions on Vehicular Technology, 2001, 50, 723-736.	6.3	10
116	Probing-Based Estimation of End-to-End Available Bandwidth. IEEE Communications Letters, 2004, 8, 400-402.	4.1	10
117	Bandwidth optimization for Internet traffic in generalized processor sharing servers. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 324-334.	5.6	10
118	MCS selection algorithms for a persistent allocation scheme to accommodate VoIP services in IEEE 802.16e OFDMA system. , 2009, , .		10
119	Power Saving Mechanism in IEEE 802.16m. , 2010, , .		10
120	Adaptive transmission power control and rate selection scheme for maximizing energy efficiency of IEEE 802.11 stations. , 2012, , .		10
121	Low-Complexity Rate Selection of HARQ With Chase Combining in Rayleigh Block-Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 2818-2824.	6.3	10
122	Modeling of Power Consumption for Macro-, Micro-, and RRH-Based Base Station Architectures. , 2014, , .		10
123	Prioritized Random Access for Accommodating M2M and H2H Communications in Cellular Networks. , 2015, , .		10
124	An energy-efficient WiFi offloading model in a heterogeneous network. , 2014, , .		9
125	Low-complexity maneuvering control of a UAV-based relay without location information of mobile ground nodes. , 2014, , .		9
126	Stability Analysis of $\frac{1}{1+\alpha}$ -Persistent Slotted CSMA Systems With Finite Population. IEEE Transactions on Communications, 2014, 62, 4373-4386.	7.8	9

#	ARTICLE	IF	CITATIONS
127	The effects of handoffs on microcell-based PCN networks. , 0, , .		8
128	A Joint Power Control, Link Scheduling and Rate Control Algorithm for Wireless Ad Hoc Networks. , 2007, , .		8
129	Performance Analysis of Orthogonal Frequency and Code Hopping Multiplexing. IEEE Transactions on Wireless Communications, 2007, 6, 3803-3815.	9.2	8
130	Performance Analysis of Orthogonal-Code Hopping Multiplexing Systems With Repetition, Convolutional, and Turbo Coding Schemes. IEEE Transactions on Vehicular Technology, 2008, 57, 932-944.	6.3	8
131	Capacity Analysis of an Opportunistic Scheduling System in a Spectrum Sharing Environment. , 2008, , .		8
132	Analysis of CSMA/CA Systems under Carrier Sensing Error: Throughput, Delay and Sensitivity. , 2008, , .		8
133	Rate-Adaptation-Based Cooperative Hybrid-ARQ Relaying Scheme in Rayleigh Block-Fading Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 4640-4645.	6.3	8
134	Performance analysis of incremental redundancy type hybrid ARQ for finite-length packets in AWGN channel. , 2013, , .		8
135	Effect of aggregation for multi-site photovoltaic (PV) farms. , 2015, , .		8
136	Fair Channel Access in Uplink WLANs Supporting Multi-Packet Reception With Multi-User MIMO. IEEE Communications Letters, 2016, 20, 2075-2078.	4.1	8
137	Artificial Noise-Aided User Scheduling From the Perspective of Secrecy Outage Probability. IEEE Transactions on Vehicular Technology, 2018, 67, 7816-7820.	6.3	8
138	Analysis of priority queueing system based on thresholds and its application to signaling system no. 7 with congestion control. Computer Networks, 2000, 32, 149-170.	5.1	7
139	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
140	Capacities of spectrally overlaid single-code and multicode CDMA systems. IEEE Transactions on Vehicular Technology, 2002, 51, 839-854.	6.3	7
141	Random FH-OFDMA System Based on Statistical Multiplexing. , 0, , .		7
142	A distributed LSP scheme to reduce spare bandwidth demand in MPLS networks. IEEE Transactions on Communications, 2006, 54, 1277-1288.	7.8	7
143	Performance Analysis of Scheduling-Based Systems in Rayleigh Fading Channels. , 2006, , .		7
144	Sub-band spreading technique for adaptive modulation in OFDM systems. Journal of Communications and Networks, 2008, 10, 71-78.	2.6	7

#	ARTICLE	IF	CITATIONS
145	Modeling and analysis of an energy-efficient sleep-mode operation in IEEE 802.16e system. , 2012, , .		7
146	Scaling Laws of Energy Efficiency Related Metrics for Varying Cell Radii in Downlink Cellular Systems. IEEE Communications Letters, 2013, 17, 525-528.	4.1	7
147	Spectral-, energy-, & cost-efficient deployment of small cells in a HetNet topology. , 2014, , .		7
148	A random access scheme based on a special preamble for supporting emergency alarms. , 2014, , .		7
149	Effects of Multiple Antennas and Imperfect Channel Knowledge on Secrecy Multiuser Diversity. IEEE Communications Letters, 2015, 19, 1564-1567.	4.1	7
150	Transmit power optimization for prioritized random access in OFDMA based systems. , 2016, , .		7
151	Performance analysis of a Leaky Bucket scheme with a threshold in the data buffer. Computer Networks, 1997, 29, 781-795.	1.0	6
152	Hybrid channel assignment scheme for accommodating voice/data traffic in DS-CDMA cellular systems. IEEE Transactions on Vehicular Technology, 2000, 49, 1566-1577.	6.3	6
153	Effect of personal mobility management in mobile communication networks. IEEE Transactions on Vehicular Technology, 2003, 52, 1254-1269.	6.3	6
154	Adaptive code rate for orthogonal code hopping multiplexing (OCHM) in synchronous downlink. , 0, , .		6
155	Performance of VoIP in HSDPA based on an adaptive power allocation scheme. , 2006, , .		6
156	Modeling and Analysis of an Energy-Efficient Mobility Management Scheme in IP-Based Wireless Networks. Sensors, 2011, 11, 11273-11294.	3.8	6
157	Optimal rate selection scheme in a two-hop relay network adopting Chase combining HARQ in Rayleigh block-fading channels. , 2012, , .		6
158	Effects of Heterogenous Mobility on Rate Adaptation and User Scheduling in Cellular Networks With HARQ. IEEE Transactions on Vehicular Technology, 2013, 62, 2735-2748.	6.3	6
159	Design criteria on a mmWave-based small cell with directional antennas. , 2014, , .		6
160	Enhanced spatial group based random access for cellular M2M communications. , 2015, , .		6
161	Handoff management in CDMA systems with a mixture of low rate and high rate traffics. , 0, , .		5
162	Satellite selection scheme for reducing handover attempts in LEO satellite communication systems. International Journal of Satellite Communications and Networking, 1998, 16, 197-208.	0.6	5

163	A movable safety zone scheme in urban fiber-optic microcellular systems. IEEE Transactions on Vehicular Technology, 1999, 48, 1099-1109.	6.3	5
164	Capacity Estimation in Multiple-Chip-Rate DS/CDMA Systems Supporting Multimedia Services. Wireless Personal Communications, 2000, 14, 29-47.	2.7	5
165	The UniMIN switch architecture for large-scale ATM switches. IEEE/ACM Transactions on Networking, 2000, 8, 109-120.	3.8	5
166	Analysis of handover characteristics in shadowed LEO satellite communication networks. International Journal of Satellite Communications and Networking, 2001, 19, 581-600.	0.6	5
167	Protection against cochannel interference from neighboring cells using down-tilting of antenna beams. , 0, , .		5
168	Steady state analysis of mobile station state transition for General Packet Radio Service. , 0, , .		5
169	Spacecraft Charging for Microsatellite KITSAT-3. Journal of Spacecraft and Rockets, 2003, 40, 875-881.	1.9	5
170	Energy-Aware Communication Module Selection through ZigBee Paging for Ubiquitous Wearable Computers with Multiple Radio Interfaces. , 2007, , .		5
171	A hybrid radio resource management scheme for uplink relay-based cellular networks. , 2009, , .		5
172	Estimation of available bandwidth for an $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle M \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle G \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle$ queueing system. Applied Mathematical Modelling, 2009, 33, 3299-3308.	4.2	5
173	Channel efficiency-based transmission rate control for congestion avoidance in wireless ad hoc networks. IEEE Communications Letters, 2009, 13, 706-708.	4.1	5
174	Adaptive Real-Time Polling Service for On-Line Gaming Traffic in IEEE 802.16e/m System. IEEE Communications Letters, 2010, 14, 987-989.	4.1	5
175	Coordinated dynamic physical carrier sensing based on local optimization in wireless ad hoc networks. , 2013, , .		5
176	Optimal candidate set for opportunistic routing in asynchronous wireless sensor networks. , 2014, , .		5
177	A novel handover scheme to support small-cell users in a HetNet environment. , 2015, , .		5
178	HARQ Rate Selection Schemes in a Multihop Relay Network With a Delay Constraint. IEEE Transactions on Vehicular Technology, 2015, 64, 2333-2348.	6.3	5
179	Hybrid ARQ-Based Fairness Enhancement in Uplink WLAN. IEEE Transactions on Wireless Communications, 2018, 17, 4362-4373.	9.2	5

#	ARTICLE	IF	CITATIONS
181	Capacity calculation in DS-CDMA systems supporting multi-class services. , 0, , .		4
182	High reuse efficiency of radio resources in urban microcellular systems. IEEE Transactions on Vehicular Technology, 2000, 49, 1669-1677.	6.3	4
183	Uplink transmit power control during soft handoff in DS/CDMA systems. , 0, , .		4
184	Four-sector cross-shaped urban microcellular systems with intelligent switched-beam antennas. IEEE Transactions on Vehicular Technology, 2001, 50, 592-604.	6.3	4
185	Fluid simulation for self-similar traffic in generalized processor sharing servers. IEEE Communications Letters, 2003, 7, 272-274.	4.1	4
186	Determining the optimum threshold values of MCS levels for retransmission packets in HARQ schemes. , 0, , .		4
187	Effect of other-cell interference on multiuser diversity in cellular networks. , 2007, , .		4
188	Fixed power allocation with nulling for TDD-based cellular uplink. IEEE Communications Letters, 2008, 12, 253-255.	4.1	4
189	Cross-layer performance analysis for CSMA/CA system: Impact of imperfect sensing. , 2008, , .		4
190	Adaptive beamforming antenna scheme to minimize the interference in a unmanned aerial vehicle (UAV) MANET. , 2009, , .		4
191	Virtually Dedicated Resource Allocation for VoIP Traffic in the Downlink Mobile WiMAX System With Hybrid ARQ. IEEE Transactions on Vehicular Technology, 2011, 60, 514-527.	6.3	4
192	Resource Minimization for Hybrid ARQ System with Real-Time Traffic in Time-Correlated Rayleigh Fading Channels. , 2011, , .		4
193	Energy-efficient subchannel allocation scheme based on adaptive base station cooperation in downlink cellular networks. , 2012, , .		4
194	A dynamic point of preferred operation (PPO) scheme for charging electric vehicles in a residential area. , 2013, , .		4
195	Interference dynamics in MANETs with a random direction node mobility model. , 2013, , .		4
196	A probabilistic broadcast algorithm based on the connectivity information of predictable rendezvous nodes in mobile ad hoc networks. , 2014, , .		4
197	A comprehensive analysis of association process for IEEE 802.15.4 wireless networks. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 16, 70.	0.5	4
198	Lightweight Self-Adapting Linear Prediction Algorithms for Wireless Sensor Networks. IEEE Sensors Journal, 2015, 15, 3050-3058.	4.7	4

#	ARTICLE	IF	CITATIONS
199	Variable-Length Feedback Codes Under a Strict Delay Constraint. IEEE Communications Letters, 2015, 19, 513-516.	4.1	4
200	A Batch Packet Server (BPS) Based Discontinuous Reception Mechanism for Energy Saving. IEEE Transactions on Vehicular Technology, 2017, 66, 10557-10561.	6.3	4
201	Hybrid ARQ-Based Uplink/Downlink Fairness Enhancement in WLAN. IEEE Transactions on Vehicular Technology, 2018, 67, 10107-10111.	6.3	4
202	A universal multistage interconnection network for large scale ATM switches. , 0, , .		3
203	Modeling of terminal mobility to evaluate the number of location updates. , 0, , .		3
204	Performance improvement of cross-shaped urban microcellular systems with switched-beam antennas. , 0, , .		3
205	A power control structure for multimedia traffic. , 0, , .		3
206	Performability analysis of common-channel signaling networks, based on signaling system 7. IEEE Transactions on Reliability, 1999, 48, 224-233.	4.6	3
207	An enhanced DQRUMA/MC-CDMA protocol for packet-based multi-service traffic. , 0, , .		3
208	Performance analysis of down link time switched transmit diversity (TSTD) in W-CDMA system. , 0, , .		3
209	Measurement-based delay performance estimation in ATM networks. , 0, , .		3
210	Decomposed crossbar switches with multiple input and output buffers. , 0, , .		3
211	Steady state analysis of user equipment state transitions for Universal Mobile Telecommunication Systems. , 0, , .		3
212	Performance evaluation using an approximation method for sojourn time distributions in an IN/ISDN signaling platform. Computer Communications, 2002, 25, 1283-1296.	5.1	3
213	Delayed group registration scheme in group location tracking. Electronics Letters, 2003, 39, 1274.	1.0	3
214	Multi-QoS Scheduling Algorithm For Class Fairness in High Speed Downlink Packet Access. , 0, , .		3
215	Statistical multiplexing-based hybrid FH-OFDMA system for OFDM-based UWB indoor radio access networks. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1793-1801.	4.6	3
216	Performance Evaluation of 1xEV-DO Rev. A System with a Per-User Throughput Based Scheduling Algorithm. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
217	Performance Analysis of Orthogonal Code Hopping Multiplexing Systems. , 2006, , .		3
218	A Radio Channel Estimation Scheme Using the CQI Feedback Information in High Speed Downlink Packet Access. , 2006, , .		3
219	Bandwidth Optimization Algorithm Based on Bandwidth Ratio Adjustment in Generalized Processor Sharing Servers. , 2006, , .		3
220	Adaptive Sub-Band Nulling for OFDM-Based Wireless Communication Systems. , 2007, , .		3
221	Delay Analysis of anM/G/1/KPriority Queueing System with Push-out Scheme. Mathematical Problems in Engineering, 2007, 2007, 1-12.	1.1	3
222	Effect of cooperative and selection relaying schemes on multiuser diversity in downlink cellular systems with relays. Journal of Communications and Networks, 2008, 10, 175-185.	2.6	3
223	Constant-Power Allocation With Average and Peak Power Constraints in Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2009, 58, 2559-2564.	6.3	3
224	Uplink capacity improvement through orthogonal code hopping in uplink-synchronized CDMA systems. IEEE Transactions on Wireless Communications, 2009, 8, 5404-5410.	9.2	3
225	Bandwidth allocation for fluid input generalized processor sharing servers. IEEE Transactions on Communications, 2010, 58, 1514-1523.	7.8	3
226	Cooperative MS-grouping schemes based on three cost metrics for improving battery lifetime and energy efficiency. , 2011, , .		3
227	A downlink and uplink collision mitigation scheme for multi-user MIMO-based WLANs through relaying. , 2011, , .		3
228	Dynamic topology update mechanism in local tree-based reliable topology (LTRT) based MANETs. , 2012, , .		3
229	Remaining Energy-Aware QoE Based Binary-Exponential Sleep Mode Operation. IEEE Communications Letters, 2015, 19, 2226-2229.	4.1	3
230	A novel root-index based prioritized random access scheme for 5G cellular networks. ICT Express, 2015, 1, 97-101.	4.8	3
231	Backlog Estimation for Uplink/Downlink Fairness in Unsaturated Bidirectional CSMA Networks. IEEE Communications Letters, 2017, 21, 2702-2705.	4.1	3
232	Rate selection for wireless multicast system adopting incremental redundancy type hybrid-ARQ. Journal of Communications and Networks, 2018, 20, 47-56.	2.6	3
233	Closed-form expression for coverage and average rate of 2D and 3D cellular networks. Electronics Letters, 2019, 55, 1015-1017.	1.0	3
234	Analysis of satellite on-board time-space-time switching networks with multiple separated space switches. IEEE Transactions on Reliability, 1996, 45, 316-320.	4.6	2

#	ARTICLE	IF	CITATIONS
235	A mobility analysis in 3-dimensional PCS environments. , 0, , .		2
236	Handoff/resource managements based on PVCs and SVCs in broadband personal communication networks. , 0, , .		2
237	Enhanced RAMA protocol for future wireless communications. Electronics Letters, 1996, 32, 2202.	1.0	2
238	Performance evaluation of advanced intelligent networks supporting mobile communications. , 0, , .		2
239	A general expansion architecture for large-scale multicast ATM switches. , 0, , .		2
240	Effect of soft handoffs on the signaling traffic in IMT-2000 networks. , 0, , .		2
241	Hybrid channel assignment for accommodating integrated voice/data traffic in DS-CDMA networks. , 0, , .		2
242	Performance analysis of a fixed local anchor scheme for supporting UPT services. Computer Communications, 2000, 23, 1763-1776.	5.1	2
243	A distributed LSP mechanism to reduce spare bandwidth in MPLS networks. , 0, , .		2
244	System-level simulator for the W-CDMA low chip rate TDD system. , 0, , .		2
245	Performance comparison of ATM and IP based transmission schemes in the UTRAN. , 0, , .		2
246	Maximum cross-correlation method for DOA estimation with an ESPAR antenna. , 0, , .		2
247	Hierarchical scheduling algorithm for guaranteeing QoS of delay-sensitive traffic. , 2006, , .		2
248	Hybrid scheduling scheme for a cooperative relay system in heterogeneous traffic environments. IEEE Transactions on Wireless Communications, 2009, 8, 3868-3877.	9.2	2
249	Multi-band CSMA/CA-based cognitive radio networks. , 2009, , .		2
250	Performance Comparison of Downlink Capacity Improvement Schemes: Orthogonal Code-Hopping Multiplexing Versus Multiple Scrambling Codes. IEEE Transactions on Vehicular Technology, 2009, 58, 670-681.	6.3	2
251	Group-Mode Hopping for Collision Mitigation in Orthogonal Code-Hopping Multiplexing. IEEE Transactions on Vehicular Technology, 2009, 58, 3830-3834.	6.3	2
252	On the efficiency of persistent scheduling for non-periodic real-time services in IEEE 802.16e system. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
253	Block scheduling for low-rate, real-time traffic in the downlink mobile WiMAX system. , 2011, , .		2
254	Optimizing the persistent scheduling in two-hop relay networks. , 2011, , .		2
255	Joint rate adaptation and user scheduling in HARQ-based multi-user systems with heterogeneous mobility. , 2012, , .		2
256	A user-pairing based resource allocation scheme for a large number of devices in M2M communications. , 2013, , .		2
257	Localization algorithms based on a mobile anchor in wireless sensor networks. , 2014, , .		2
258	Design of a multi-variable QoE function based on the remaining battery energy. , 2015, , .		2
259	Joint Link Adaptation and User Scheduling With HARQ in Multicell Environments. IEEE Transactions on Vehicular Technology, 2016, 65, 1292-1302.	6.3	2
260	An Enhanced Random Access With Distributed Pilot Orthogonalization for Cellular IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 1152-1156.	6.3	2
261	Modelling and analysis of coverage for unmanned aerial vehicle base stations. IET Communications, 2020, 14, 2878-2888.	2.2	2
262	A Dynamic Downlink Load Control Scheme for WCDMA and HSDPA Systems. IEICE Transactions on Communications, 2009, E92-B, 2327-2331.	0.7	2
263	An architecture of broadband personal communication network. , 0, , .		1
264	An approximation method for sojourn time distributions in telecommunication networks. , 0, , .		1
265	A dynamic resource management scheme for fast handoff in wireless ATM networks. , 0, , .		1
266	Fixed local anchor scheme for supporting UPT services in wired networks. , 0, , .		1
267	Performance analysis of two schemes for managing information related to incall registration in wireline UPT networks. Computer Communications, 1999, 22, 1592-1606.	5.1	1
268	Cell-level/call-level ATM switch simulator. Telecommunication Systems, 2000, 14, 291-309.	2.5	1
269	Adaptive algorithm for mobile terminal power on/off state management. Computer Communications, 2001, 24, 1411-1424.	5.1	1
270	A mobility management scheme for reducing power consumption in IP-based wireless networks. , 0, , .		1

#	ARTICLE	IF	CITATIONS
271	Performance evaluation of a high-speed ATM switch with multiple common memories. IEEE Transactions on Communications, 2002, 50, 332-340.	7.8	1
272	A two-dimensional scalable crossbar matrix switch architecture. , 0, , .		1
273	Performance evaluation of a multisector antenna based access point network architecture. , 0, , .		1
274	QoS-Based AAL2/ATM multiplexing schemes in the UTRAN lub interface. , 0, , .		1
275	Joint detection for on/off uplink traffic in the TD-SCDMA system. , 0, , .		1
276	1xEV-DO system-level simulator based on measured link-level data. , 0, , .		1
277	Minimal backlogging method for estimation of available bandwidth. , 0, , .		1
278	Symbol repetition and power re-allocation scheme for orthogonal code hopping multiplexing systems. , 0, , .		1
279	Frame level control for collision mitigation in orthogonal code hopping multiplexing. , 0, , .		1
280	Analytical Comparison of Three Packet Scheduling Schemes under a Per-User Minimum Throughput Assurance Requirement in HSDPA. , 0, , .		1
281	Modeling and analysis of mobility management state of packet-switched (PS) services in GPRS. Computer Communications, 2006, 30, 166-177.	5.1	1
282	WLC03-2: Capacity Analysis of Downlink CDMA Systems with Quasi-Orthogonal Sequences. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
283	Performance Analysis of Cellular-Based Two-Hop Relay Systems. , 2007, , .		1
284	Modeling and Analysis of Mobile Terminal Power on/off-State Management Considering User Behavior. IEEE Transactions on Vehicular Technology, 2008, 57, 3708-3722.	6.3	1
285	Throughput Estimation of Downlink Packet Access Systems Based on a Point Mass Approximation Concept. IEEE Transactions on Vehicular Technology, 2010, 59, 3356-3363.	6.3	1
286	Optimal rate allocation for wireless multicast systems employing hybrid-ARQ with Chase combining. , 2010, , .		1
287	Self-organizing and self-healing mechanisms in cooperative small-cell networks. , 2013, , .		1
288	On the link adaptation and user scheduling with HARQ in the presence of inter-cell interference. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
289	Opportunistic user selection with adaptive jamming for secure communication in heterogeneous networks. , 2014, , .		1
290	Apartment to grid (A2G) paradigm for demand and cost sensitive residential complex energy management. Energy and Buildings, 2015, 107, 191-203.	6.7	1
291	Rate selection for incremental redundancy type hybrid-ARQ in wireless multicast. , 2016, , .		1
292	Secrecy multiuser diversity for distributed antenna systems from the perspective of user-scaling law. , 2016, , .		1
293	Adaptive Transmission Control for Uplink/Downlink Fairness in Unsaturated CSMA Networks. IEEE Communications Letters, 2019, 23, 1879-1882.	4.1	1
294	Characterization of base station deployment distribution and coverage in heterogeneous networks. IET Communications, 2021, 15, 850-865.	2.2	1
295	Performance evaluation of an AAL2 link transmission scheme for voice and data packets in BS-BSC links. , 0, , .		1
296	Characterization of variable bit rate video traffic as vector autoregressive processes. , 0, , .		0
297	DS-CDMA reverse link power according to frequency assignment. Electronics Letters, 1996, 32, 2309.	1.0	0
298	A movable safety zone scheme in urban fiber-optic microcellular systems. , 0, , .		0
299	Performance evaluation of a high-speed ATM switch with multiple separated common memories. Teletraffic Science and Engineering, 1997, 2, 613-622.	0.4	0
300	Efficient, fast handoff schemes for multiple traffic classes in wireless ATM networks. , 1998, , .		0
301	Transient analysis of a queue with queue-length dependent MAP and its application to SS7 network. Journal of Applied Mathematics and Stochastic Analysis, 1999, 12, 371-392.	0.3	0
302	A highly efficient radio reuse scheme using tilted directional-beam antennas in urban microcellular systems. , 0, , .		0
303	Elevation angle dependent Markov model for LEO satellite communication systems. , 0, , .		0
304	An enhanced DQRUMA/MC-CDMA protocol for packet-based voice/data traffic. , 1999, , .		0
305	A Fast Handoff Management Scheme in ATM-Based Personal Communication Networks. Wireless Personal Communications, 1999, 11, 231-245.	2.7	0
306	A new fast cell re-sequence mechanism for multipath ATM switches. , 0, , .		0

#	ARTICLE	IF	CITATIONS
307	An architecture of ATM-based PCS network: Signaling traffic and capacity. Telecommunication Systems, 2000, 14, 75-93.	2.5	0
308	Adaptive channel assignment for different types of traffic in DS-SS-CDMA cellular systems. Telecommunication Systems, 2000, 14, 141-162.	2.5	0
309	Performance comparison of RAN-CN protocol stacks in IMT-2000 networks. , 0, , .		0
310	Adaptive management scheme of mobile terminal state information. , 0, , .		0
311	A location management scheme to support non-geographic phone numbers in personal communications services. Computer Communications, 2001, 24, 271-283.	5.1	0
312	An enhanced DQRUMA/MC-CDMA protocol with a variable request pool scheme for wireless packet networks. , 0, , .		0
313	Performance analysis of an enhanced DQRUMA/MC-CDMA protocol with an LPRA scheme for voice traffic. , 0, , .		0
314	Performance analysis of an enhanced DQRUMA/MC-CDMA protocol for voice traffic. IEEE Transactions on Vehicular Technology, 2003, 52, 440-455.	6.3	0
315	Modeling and analysis of combined mobility management based on implicit cell update scheme in general packet radio service. , 0, , .		0
316	Framework for multirate transmission in orthogonal code hopping multiplexing. , 0, , .		0
317	Errata to "Effect of Personal Mobility Management in Mobile Communication Networks" IEEE Transactions on Vehicular Technology, 2004, 53, 279-280.	6.3	0
318	Multi-Rate Transmission in Orthogonal Code Hopping Multiplexing. , 0, , .		0
319	A novel frame level orthogonal code hopping multiplexing scheme. , 0, , .		0
320	Statistical Multiplexing Based Hybrid FH-OFDMA System for OFDM-Based UWB Indoor Radio Access Networks. , 0, , .		0
321	Orthogonal Time Hopping Multiple Access for UWB Impulse Radio Communications. , 0, , .		0
322	A Channel Prediction Scheme for Closed Loop Transmit Diversity in High Speed Downlink Packet Access. , 0, , .		0
323	WLC13-5: Downlink Capacity Improvement Through Orthogonal Code Hopping Multiplexing and Multiple Scrambling Codes in CDMA Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
324	Capacity Analysis of a TH-PPM UWB System using a Near-Interference Erasure Scheme in Multi-User Environments. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
325	Distance-Based Code-Collision Control Scheme Using Erasure Decoding in Orthogonal Code Hopping Multiplexing. International Conference on Advanced Communication Technology, 2007, , .	0.0	0
326	Synergy/Perforation Control for 16-QAM in Orthogonal Code Hopping Multiplexing. IEEE Transactions on Vehicular Technology, 2007, 56, 1704-1715.	6.3	0
327	Adaptive Random Beamforming with Interference Suppression and Beam Selection in Cellular Networks. , 2009, , .		0
328	Multi-channel CSMA/CA based smart utility networks. , 2011, , .		0
329	Aggregate throughput maximization in a hierarchical cooperation scheme under consideration of packet arrival rate, control and data overhead. , 2013, , .		0
330	On the energy efficiency of wireless random access networks with multi-packet reception. , 2013, , .		0
331	Effect of control and data frame overheads on the capacity scaling of a hierarchical cooperation scheme. , 2014, , .		0
332	Sleep mode operations with relaxed and stringent QoS requirements. , 2015, , .		0
333	Delay-constrained efficient broadcasting in duty-unaware asynchronous wireless sensor networks. , 2015, , .		0
334	Impact of Uplink Power Control on User Location Tracking Attacks in Cellular Networks. , 2021, , .		0
335	Performance Analysis of Wireless LANs with a Backoff Freezing Mechanism. Communications in Computer and Information Science, 2011, , 312-320.	0.5	0
336	Downlink coverage analysis based on hybrid model with dual-slope path loss. IET Communications, 2020, 14, 2079-2083.	2.2	0
337	Modeling and Characterization of the Detection and Suppression of Bogus Messages in Vehicular Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2022, , 1-15.	5.8	0