

Yuli Yang

List of Publications by Year in descending order

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55
papers

772
citations

623734

14
h-index

580821

25
g-index

55
all docs

55
docs citations

55
times ranked

552
citing authors

#	ARTICLE	IF	CITATIONS
1	Information-guided channel-hopping for high data rate wireless communication. IEEE Communications Letters, 2008, 12, 225-227.	4.1	179
2	Information-Guided Transmission in Decode-and-Forward Relaying Systems: Spatial Exploitation and Throughput Enhancement. IEEE Transactions on Wireless Communications, 2011, 10, 2341-2351.	9.2	45
3	Mapping-Variied Spatial Modulation for Physical Layer Security: Transmission Strategy and Secrecy Rate. IEEE Journal on Selected Areas in Communications, 2018, 36, 877-889.	14.0	44
4	Bit-Padding Information Guided Channel Hopping. IEEE Communications Letters, 2011, 15, 163-165.	4.1	34
5	Myths and realities of rateless coding. , 2011, 49, 143-151.		32
6	Cross-Layer Combining of Adaptive Modulation and Truncated ARQ Under Cognitive Radio Resource Requirements. IEEE Transactions on Vehicular Technology, 2012, 61, 4020-4030.	6.3	30
7	Optimal Spatial-Domain Design for Spatial Modulation Capacity Maximization. IEEE Communications Letters, 2016, 20, 1092-1095.	4.1	30
8	Information Guided Channel Hopping with an Arbitrary Number of Transmit Antennas. IEEE Communications Letters, 2012, 16, 1552-1555.	4.1	24
9	Optimal Deployment of Solar Insecticidal Lamps Over Constrained Locations in Mixed-Crop Farmlands. IEEE Internet of Things Journal, 2021, 8, 13095-13114.	8.7	21
10	Decode-and-Forward Short-Packet Relaying in the Internet of Things: Timely Status Updates. IEEE Transactions on Wireless Communications, 2021, 20, 8423-8437.	9.2	21
11	Physical-Layer Secret Key Generation via CQI-Mapped Spatial Modulation in Multi-Hop Wiretap Ad-Hoc Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 1322-1334.	6.9	19
12	Cellular Based Machine to Machine Communication with Un-Peer2Peer Protocol Stack. , 2009, , .		18
13	Physical Layer Security of Spatially Modulated Sparse-Code Multiple Access in Aeronautical \$Ad\$-\$hoc\$ Networking. IEEE Transactions on Vehicular Technology, 2021, 70, 2436-2447.	6.3	17
14	Secrecy Throughput in Full-Duplex Multiuser MIMO Short-Packet Communications. IEEE Wireless Communications Letters, 2021, 10, 1339-1343.	5.0	17
15	Spatial Modulation Exploited in Non-Reciprocal Two-Way Relay Channels: Efficient Protocols and Capacity Analysis. IEEE Transactions on Communications, 2016, 64, 2821-2834.	7.8	16
16	A Prototype of Co-Frequency Co-Time Full Duplex Networking. IEEE Wireless Communications, 2020, 27, 132-139.	9.0	15
17	Cross-Layer Combining of Information-Guided Transmission with Network Coding Relaying for Multiuser Cognitive Radio Systems. IEEE Wireless Communications Letters, 2013, 2, 26-29.	5.0	14
18	Spectrum Band Selection in Delay-QoS Constrained Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	14

#	ARTICLE	IF	CITATIONS
19	Optimal Power Allocation in Spatial Modulation Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1646-1655.	9.2	14
20	Blind Analog Interference Cancellation. IEEE Communications Letters, 2017, 21, 1867-1870.	4.1	12
21	Improved Coverage and Connectivity via Weighted Node Deployment in Solar Insecticidal Lamp Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10170-10186.	8.7	12
22	Information-Guided Relay Selection for High Throughput in Half-Duplex Relay Channels. , 2009, , .		11
23	Permutation-Based TCP and UDP Transmissions to Improve Goodput and Latency in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 14276-14286.	8.7	11
24	Artificial-noise strategy for single-antenna systems over multi-path fading channels. , 2015, , .		9
25	Permutation-Based Transmissions in Ultra-Reliable and Low-Latency Communications. IEEE Communications Letters, 2021, 25, 1024-1028.	4.1	9
26	On the capacity of information-guided channel-hopping in multi-antenna system. , 2008, , .		8
27	Information-guided communications in MIMO systems with channel state impairments. Wireless Communications and Mobile Computing, 2015, 15, 868-878.	1.2	8
28	Security-Oriented Trellis Code Design for Spatial Modulation. IEEE Transactions on Wireless Communications, 2021, 20, 1875-1888.	9.2	8
29	Half-Duplex Relay-Help Transmission with Dirty Paper Coding. , 2009, , .		7
30	Achievable Data Rate in Spectrum-Sharing Channels with Variable-Rate Variable-Power Primary Users. IEEE Wireless Communications Letters, 2012, 1, 312-315.	5.0	7
31	Target-Barrier Coverage Improvement in an Insecticidal Lamps Internet of UAVs. IEEE Transactions on Vehicular Technology, 2022, 71, 4373-4382.	6.3	7
32	A Capacity Comparison Between MC-CDMA and CP-CDMA. , 2006, , .		6
33	On the coexistence of primary and secondary users in spectrum-sharing broadcast channels. , 2013, , .		6
34	Distortion Reduction in Fractional Delay Filters. IEEE Signal Processing Letters, 2021, 28, 588-592.	3.6	6
35	Increased Spectrum Access Opportunities for Secondary Users Exploiting Adaptive Modulation in Primary Links. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	4
36	Spectrum-sharing broadcast channels using fountain codes: energy, delay and throughput. IET Communications, 2014, 8, 2574-2583.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Opportunistic Bits in Short-Packet Communications: A Finite Blocklength Perspective. IEEE Transactions on Communications, 2021, , 1-1.	7.8	4
38	Security-Oriented Polar Coding Based on Channel-Gain-Mapped Frozen Bits. IEEE Transactions on Wireless Communications, 2022, 21, 6584-6596.	9.2	4
39	On the capacity of maximum selection in MIMO multicast network. , 2008, , .		3
40	An interference cancellation strategy for broadcast in hierarchical cell structure. , 2014, , .		3
41	Interference Mitigation for Broadcast in Hierarchical Cell Structure Networks: Transmission Strategy and Area Spectral Efficiency. IEEE Transactions on Vehicular Technology, 2014, 63, 3818-3828.	6.3	3
42	A Study on Segmented Data Rates for System Capacity. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	2
43	A Design of Segmented Data Rates for Recurrent Channel Estimation. Wireless Personal Communications, 2009, 50, 483-491.	2.7	2
44	On the Capacity of Multiple Cognitive Links through Common Relay under Spectrum-Sharing Constraints. , 2011, , .		2
45	Secondary link adaptation in cognitive radio networks: End-to-end performance with cross-layer design. , 2012, , .		2
46	Effective Capacity of a Novel Spectrum-Band Selection Scheme in Spectrum-Sharing Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2838-2843.	6.3	2
47	An Information-Guided Channel-Hopping Scheme for Block-Fading Channels with Estimation Errors. , 2010, , .		1
48	Common Information Multicast with Different Data Rates. , 2010, , .		1
49	On End-to-End Performance of MIMO Multiuser in Cognitive Radio Networks. , 2011, , .		1
50	Power allocation and achievable data rate in spectrum-sharing channels under adaptive primary service outage constraints. , 2012, , .		1
51	Relay selection from an effective capacity perspective. , 2013, , .		1
52	Partial QoS-Aware Opportunistic Relay Selection Over Two-Hop Channels: End-to-End Performance Under Spectrum-Sharing Requirements. IEEE Transactions on Vehicular Technology, 2014, 63, 3829-3840.	6.3	1
53	An Improved Relay Selection Scheme in Half-Duplex Relay Channels. , 2009, , .		0
54	A Possibility: Beyond the Channel Capacity in the Low SNR Regime. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Grouping Length Permutation Encapsulated Packets to Improve Spectral Efficiency. IEEE Communications Letters, 2022, 26, 2037-2041.	4.1	0