

Murat Uysal

List of Publications by Year in descending order

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309
papers

11,994
citations

57758

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34986

98
g-index

312
all docs

312
docs citations

312
times ranked

6024
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey on Free Space Optical Communication: A Communication Theory Perspective. IEEE Communications Surveys and Tutorials, 2014, 16, 2231-2258.	39.4	1,606
2	Device-to-device communication in 5G cellular networks: challenges, solutions, and future directions. IEEE Communications Magazine, 2014, 52, 86-92.	6.1	1,099
3	BER Performance of Free-Space Optical Transmission with Spatial Diversity. IEEE Transactions on Wireless Communications, 2007, 6, 2813-2819.	9.2	627
4	Relay-assisted free-space optical communication. IEEE Transactions on Wireless Communications, 2008, 7, 5441-5449.	9.2	468
5	Optical wireless links with spatial diversity over strong atmospheric turbulence channels. IEEE Transactions on Wireless Communications, 2009, 8, 951-957.	9.2	398
6	Emerging Optical Wireless Communications-Advances and Challenges. IEEE Journal on Selected Areas in Communications, 2015, 33, 1738-1749.	14.0	353
7	BER Performance of FSO Links over Strong Atmospheric Turbulence Channels with Pointing Errors. IEEE Communications Letters, 2008, 12, 44-46.	4.1	299
8	Single-carrier frequency domain equalization. IEEE Signal Processing Magazine, 2008, 25, 37-56.	5.6	297
9	Channel Modeling and Characterization for Visible Light Communications. IEEE Photonics Journal, 2015, 7, 1-16.	2.0	230
10	End-to-End Performance of Mixed RF/FSO Transmission Systems. Journal of Optical Communications and Networking, 2013, 5, 1139.	4.8	181
11	Do We Really Need OSTBCs for Free-Space Optical Communication with Direct Detection?. IEEE Transactions on Wireless Communications, 2008, 7, 4445-4448.	9.2	171
12	Generalized Performance Analysis of Mixed RF/FSO Cooperative Systems. IEEE Transactions on Wireless Communications, 2016, 15, 714-727.	9.2	144
13	Visible Light Communication for Vehicular Networking: Performance Study of a V2V System Using a Measured Headlamp Beam Pattern Model. IEEE Vehicular Technology Magazine, 2015, 10, 45-53.	3.4	138
14	Equalization Techniques for Distributed Space-Time Block Codes With Amplify-and-Forward Relaying. IEEE Transactions on Signal Processing, 2007, 55, 1839-1852.	5.3	136
15	Cooperative Diversity for Intervehicular Communication: Performance Analysis and Optimization. IEEE Transactions on Vehicular Technology, 2009, 58, 3301-3310.	6.3	134
16	Performance Characterization of Underwater Visible Light Communication. IEEE Transactions on Communications, 2019, 67, 543-552.	7.8	131
17	IEEE 802.15.7r1 Reference Channel Models for Visible Light Communications. , 2017, 55, 212-217.		122
18	Cooperative diversity over log-normal fading channels: performance analysis and optimization. IEEE Transactions on Wireless Communications, 2008, 7, 1963-1972.	9.2	115

#	ARTICLE	IF	CITATIONS
19	A Novel Statistical Channel Model for Turbulence-Induced Fading in Free-Space Optical Systems. Journal of Lightwave Technology, 2015, 33, 2303-2312.	4.6	108
20	Next generation M2M cellular networks: challenges and practical considerations. , 2015, 53, 18-24.		107
21	Optimal Relay Placement and Diversity Analysis of Relay-Assisted Free-Space Optical Communication Systems. Journal of Optical Communications and Networking, 2013, 5, 37.	4.8	103
22	Optical wireless communications — An emerging technology. , 2014, , .		100
23	Non-orthogonal multiple access (NOMA) for indoor visible light communications. , 2015, , .		95
24	Cooperative underwater acoustic communications [Accepted From Open Call]. , 2013, 51, 146-153.		90
25	A Mobile Channel Model for VLC and Application to Adaptive System Design. IEEE Communications Letters, 2017, 21, 1035-1038.	4.1	90
26	Generalized Maximum-Likelihood Sequence Detection for Photon-Counting Free Space Optical Systems. IEEE Transactions on Communications, 2010, 58, 3381-3385.	7.8	85
27	On the Effects of Combined Atmospheric Fading and Misalignment on the Hybrid FSO/RF Transmission. Journal of Optical Communications and Networking, 2016, 8, 715.	4.8	84
28	Effect of eddy diffusivity ratio on underwater optical scintillation index. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1969.	1.5	83
29	All-Optical Amplify-and-Forward Relaying System for Atmospheric Channels. IEEE Communications Letters, 2012, 16, 1684-1687.	4.1	81
30	Optical MIMO-OFDM with Generalized LED Index Modulation. IEEE Transactions on Communications, 2017, , 1-1.	7.8	78
31	On relay selection for decode-and-forward relaying. IEEE Transactions on Wireless Communications, 2009, 8, 3341-3346.	9.2	76
32	Visible Light Communication Channel Modeling for Underwater Environments With Blocking and Shadowing. IEEE Access, 2018, 6, 1082-1090.	4.2	75
33	Impact of imperfect channel estimation on the performance of amplify-and-forward relaying. IEEE Transactions on Wireless Communications, 2009, 8, 1468-1479.	9.2	69
34	Cooperative Diversity with Multiple-Antenna Nodes in Fading Relay Channels. IEEE Transactions on Wireless Communications, 2008, 7, 3036-3046.	9.2	66
35	Relay Selection in Dual-Hop Vehicular Networks. IEEE Signal Processing Letters, 2011, 18, 134-137.	3.6	66
36	Link Allocation for Multiuser Systems With Hybrid RF/FSO Backhaul: Delay-Limited and Delay-Tolerant Designs. IEEE Transactions on Wireless Communications, 2016, 15, 3281-3295.	9.2	66

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37	Standards for indoor Optical Wireless Communications. , 2015, 53, 24-31.		65
38	Multi-User Visible Light Communications: State-of-the-Art and Future Directions. IEEE Access, 2018, 6, 70555-70571.	4.2	64
39	On the Performance Analysis of Multirelay Cooperative Diversity Systems With Channel Estimation Errors. IEEE Transactions on Vehicular Technology, 2011, 60, 2050-2059.	6.3	61
40	Outage Performance and Diversity Gain Analysis of Free-Space Optical Multi-hop Parallel Relaying. Journal of Optical Communications and Networking, 2013, 5, 901.	4.8	61
41	Non-Coherent and Mismatched-Coherent Receivers for Distributed STBCs with Amplify-and-Forward Relaying. IEEE Transactions on Wireless Communications, 2007, 6, 4060-4070.	9.2	60
42	Multi-Hop Relaying over the Atmospheric Poisson Channel: Outage Analysis and Optimization. IEEE Transactions on Communications, 2012, 60, 817-829.	7.8	59
43	Effect of Fog and Rain on the Performance of Vehicular Visible Light Communications. , 2018, , .		59
44	Vertical Underwater Visible Light Communication Links: Channel Modeling and Performance Analysis. IEEE Transactions on Wireless Communications, 2020, 19, 6948-6959.	9.2	58
45	Diversityâ€“Multiplexing Trade-Off in Coherent Free-Space Optical Systems With Multiple Receivers. Journal of Optical Communications and Networking, 2010, 2, 1087.	4.8	57
46	Statistical modeling of propagation channels for Terahertz band. , 2017, , .		57
47	Investigating performance of Airborne LiDAR data filtering algorithms for DTM generation. Measurement: Journal of the International Measurement Confederation, 2015, 63, 61-68.	5.0	54
48	Relay-Assisted OFDM-Based Visible Light Communications. IEEE Transactions on Communications, 2015, 63, 3765-3778.	7.8	52
49	A Framework on the Performance Analysis of Dual-Hop Mixed FSO-RF Cooperative Systems. IEEE Transactions on Communications, 2019, 67, 4939-4954.	7.8	52
50	Cooperative Visible Light Communications With Full-Duplex Relaying. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	50
51	Novel Adaptive Transmission Algorithms for Free-Space Optical Links. IEEE Transactions on Communications, 2012, 60, 3808-3815.	7.8	48
52	Sparse Channel Estimation for OFDM-Based Underwater Acoustic Systems in Rician Fading With a New OMP-MAP Algorithm. IEEE Transactions on Signal Processing, 2019, 67, 1550-1565.	5.3	45
53	BER-Optimized Power Allocation for Fading Relay Channels. IEEE Transactions on Wireless Communications, 2008, 7, 2350-2359.	9.2	43
54	Analysis and Design of Distributed Spaceâ€“Time Trellis Codes With Amplify-and-Forward Relaying. IEEE Transactions on Vehicular Technology, 2007, 56, 1649-1660.	6.3	42

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55	Multi-Hop Coherent Free-Space Optical Communications over Atmospheric Turbulence Channels. IEEE Transactions on Communications, 2011, 59, 1657-1663.	7.8	42
56	Single photon avalanche diode (SPAD) VLC system and application to downhole monitoring. , 2014, , .		41
57	Hybrid RF/VLC Systems: A Comprehensive Survey on Network Topologies, Performance Analyses, Applications, and Future Directions. IEEE Access, 2021, 9, 160402-160436.	4.2	41
58	Link Adaptation for MIMO OFDM Visible Light Communication Systems. IEEE Access, 2017, 5, 26006-26014.	4.2	38
59	Information Theoretic Analysis of Hybrid-ARQ Protocols in Coherent Free-Space Optical Systems. IEEE Transactions on Communications, 2012, 60, 1432-1442.	7.8	37
60	Sparse Channel Estimation and Equalization for OFDM-Based Underwater Cooperative Systems With Amplify-and-Forward Relaying. IEEE Transactions on Signal Processing, 2016, 64, 214-228.	5.3	37
61	Performance Characterization of Vertical Underwater VLC Links in the Presence of Turbulence. , 2018, , .		37
62	Performance Evaluation of LOS and NLOS Vertical Inhomogeneous Links in Underwater Visible Light Communications. IEEE Access, 2018, 6, 22408-22420.	4.2	36
63	Two channel estimation methods for amplify-and-forward relay networks. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	35
64	A tutorial on network coded cooperation. IEEE Communications Surveys and Tutorials, 2016, 18, 2970-2990.	39.4	35
65	Mixture-Kernel Based Post-Distortion in RKHS for Time-Varying VLC Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 1564-1577.	6.3	35
66	Capacity of Hybrid Cognitive Radio Networks With Distributed VAAs. IEEE Transactions on Vehicular Technology, 2010, 59, 3510-3523.	6.3	34
67	Performance Analysis of Relay-Assisted NLOS Ultraviolet Communications Over Turbulence Channels. Journal of Optical Communications and Networking, 2017, 9, 109.	4.8	34
68	CoMP-Based Dynamic Handover for Vehicular VLC Networks. IEEE Communications Letters, 2020, 24, 2024-2028.	4.1	33
69	Channel modelling for indoor visible light communications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190187.	3.4	33
70	Performance and Optimization of Network-Coded Cooperative Diversity Systems. IEEE Transactions on Communications, 2013, 61, 1111-1122.	7.8	31
71	Cooperative diversity in the presence of impulsive noise. IEEE Transactions on Wireless Communications, 2009, 8, 4730-4739.	9.2	30
72	An Experimental Analysis of Digital Elevation Models Generated with Lidar Data and UAV Photogrammetry. Journal of the Indian Society of Remote Sensing, 2018, 46, 1135-1142.	2.4	30

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73	SLIPT for Underwater Visible Light Communications: Performance Analysis and Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 6715-6728.	9.2	30
74	Error performance analysis of space-time codes over Rayleigh fading channels. Journal of Communications and Networks, 2000, 2, 351-355.	2.6	29
75	Indoor channel modelling and characterization for visible light communications. , 2014, , .		29
76	Iterative Near Maximum-Likelihood Sequence Detection for MIMO Optical Wireless Systems. Journal of Lightwave Technology, 2010, 28, 1064-1070.	4.6	28
77	Distributed MIMO for Li-Fi: Channel Measurements, Ray Tracing and Throughput Analysis. IEEE Photonics Technology Letters, 2021, 33, 916-919.	2.5	28
78	Ray tracing based channel modeling for visible light communications. , 2014, , .		27
79	A Path Loss Model for Vehicle-to-Vehicle Visible Light Communications. , 2019, , .		27
80	Cooperative communication techniques for future-generation HF radios. , 2012, 50, 56-63.		26
81	PHY layer performance evaluation of the IEEE 802.15.7 visible light communication standard. , 2013, , .		25
82	Performance of Coherent Differential Phase-Shift Keying Free-Space Optical Communication Systems in M-Distributed Turbulence. Journal of Optical Communications and Networking, 2013, 5, 704.	4.8	25
83	Outage analysis of hybrid FSO/RF systems based on finite-state Markov chain modeling. , 2014, , .		25
84	Coordinated Interference Management for Visible Light Communication Systems. Journal of Optical Communications and Networking, 2015, 7, 1098.	4.8	25
85	On the performance of MIMO FSO communications over Double Generalized Gamma fading channels. , 2015, , .		24
86	ViLDARâ€™Visible Light Sensing-Based Speed Estimation Using Vehicle Headlamps. IEEE Transactions on Vehicular Technology, 2019, 68, 10406-10417.	6.3	24
87	Visible Light Communication for Connected Vehicles: How to Achieve the Omnidirectional Coverage?. IEEE Access, 2021, 9, 103885-103905.	4.2	24
88	Auction Based Spectrum Trading for Cognitive Radio Networks. IEEE Communications Letters, 2013, 17, 1168-1171.	4.1	23
89	Risk assessment of coastal erosion of Karasu coast in Black Sea. Journal of Coastal Conservation, 2014, 18, 673-682.	1.6	23
90	Relay-assisted OFDM transmission for indoor visible light communication. , 2014, , .		23

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91	Comparison of data reduction algorithms for LiDAR-derived digital terrain model generalisation. <i>Area</i> , 2016, 48, 521-532.	1.6	23
92	Aperture averaging in multiple-input single-output free-space optical systems using partially coherent radial array beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, 1041.	1.5	23
93	Finite-SNR Diversity-Multiplexing Tradeoff for Network Coded Cooperative OFDMA Systems. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 1385-1396.	9.2	23
94	Handover in VLC networks with coordinated multipoint transmission. , 2017, , .		23
95	Joint Optimization of Power Allocation and Relay Location for Decode-and-Forward Dual-Hop Systems over Nakagami-m Fading Channels. , 2009, , .		22
96	Cooperative MIMO-OFDM based inter-vehicular visible light communication using brake lights. <i>Computer Communications</i> , 2018, 120, 138-146.	5.1	22
97	Infrastructure-to-Vehicle Visible Light Communications: Channel Modelling and Performance Analysis. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 2240-2250.	6.3	22
98	Optimal Bit and Power Loading for Amplify-and-Forward Cooperative OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2011, 10, 772-781.	9.2	21
99	Changes in the Coastline and Water Level of the AkÅŸehir and Eber Lakes Between 1975 and 2009. <i>Water Resources Management</i> , 2011, 25, 941-962.	3.9	21
100	Vehicular VLC: A Ray Tracing Study Based on Measured Radiation Patterns of Commercial Taillights. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 904-907.	2.5	21
101	Physical Layer Implementation of Standard Compliant Vehicular VLC. , 2016, , .		20
102	Relay-Assisted OFDM for Ultraviolet Communications: Performance Analysis and Optimization. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 607-618.	9.2	20
103	Underwater Visible Light Communications in Cascaded Gamma-Gamma Turbulence. , 2018, , .		20
104	Coverage of a shopping mall with flexible OLED-based visible light communications. <i>Optics Express</i> , 2020, 28, 10015.	3.4	20
105	Cooperative Diversity for Relay-Assisted Inter-Vehicular Communication. <i>IEEE Vehicular Technology Conference</i> , 2008, , .	0.4	19
106	Guest Editorial: Optical Wireless Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2015, 33, 1733-1737.	14.0	19
107	Information theoretical performance analysis and optimisation of cooperative underwater acoustic communication systems. <i>IET Communications</i> , 2016, 10, 812-823.	2.2	19
108	A Cross-Layer Design for Dynamic Resource Management of VLC Networks. <i>IEEE Transactions on Communications</i> , 2021, 69, 1858-1867.	7.8	19

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109	Diversity-Multiplexing Tradeoff for Log-Normal Fading Channels. IEEE Transactions on Communications, 2016, 64, 3119-3129.	7.8	18
110	3D modeling of lion tombstones with UAV photogrammetry: a case study in ancient Phrygia (Turkey). Archaeological and Anthropological Sciences, 2019, 11, 1973-1976.	1.8	18
111	Unified Performance Analysis of Multi-Hop FSO Systems Over Double Generalized Gamma Turbulence Channels With Pointing Errors. IEEE Transactions on Wireless Communications, 2020, 19, 7732-7746.	9.2	18
112	Performance Analysis of Incremental-Best-Relay Amplify-and-Forward Technique. , 2009, , .		17
113	High-Rate Distributed Space-Time-Frequency Coding for Wireless Cooperative Networks. IEEE Transactions on Wireless Communications, 2011, 10, 614-625.	9.2	17
114	A novel statistical model for turbulence-induced fading in free-space optical systems. , 2013, , .		17
115	Generalized LED index modulation optical OFDM for MIMO visible light communications systems. , 2016, , .		17
116	Channel Modeling and Performance Characterization of Underwater Visible Light Communications. , 2018, , .		17
117	Unified Resource Allocation and Mobility Management Technique Using Particle Swarm Optimization for VLC Networks. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	17
118	UAV-Based FSO Communications for High Speed Train Backhauling. , 2019, , .		17
119	Simultaneous Lightwave Information and Power Transfer in Underwater Visible Light Communications. , 2019, , .		17
120	A novel relay selection method for decode-and-forward relaying. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	16
121	Power allocation for cooperative systems with training-aided channel estimation. IEEE Transactions on Wireless Communications, 2009, 8, 4773-4783.	9.2	16
122	Enhanced MRC for Decode-and-Forward Cooperative Diversity Systems. IEEE Transactions on Wireless Communications, 2012, 11, 3418-3423.	9.2	16
123	Centralized Light Access Network (C-LiAN): A Novel Paradigm for Next Generation Indoor VLC Networks. IEEE Access, 2017, 5, 19703-19710.	4.2	16
124	Adaptive MIMO FSO Communication Systems with Spatial Mode Switching. Journal of Optical Communications and Networking, 2018, 10, 686.	4.8	16
125	Vehicle-to-Vehicle Visible Light Communication: How to select receiver locations for optimal performance?. , 2019, , .		16
126	Pilot-symbol-assisted detection scheme for distributed orthogonal space-time block coding. IEEE Transactions on Wireless Communications, 2009, 8, 1057-1061.	9.2	15

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127	Outage Performance and DMT Analysis of DF Parallel Relaying in FSO IM/DD Communications. , 2012, , .		15
128	Error Probability of DF Relaying with Pilot-Assisted Channel Estimation over Time-Varying Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 393-397.	6.3	15
129	Performance Analysis of Parallel Relaying in Free-Space Optical Systems. IEEE Transactions on Communications, 2015, 63, 4314-4326.	7.8	15
130	Joint bit and power loading for adaptive MIMO OFDM VLC systems. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3850.	3.9	15
131	Low Complexity Least Minimum Symbol Error Rate Based Post-Distortion for Vehicular VLC. IEEE Transactions on Vehicular Technology, 2020, 69, 11800-11810.	6.3	15
132	Incremental Diversity Order for Characterization of FSO Communication Systems Over Lognormal Fading Channels. IEEE Communications Letters, 2020, 24, 825-829.	4.1	15
133	Capacity Analysis of NOMA-Enabled Underwater VLC Networks. IEEE Access, 2021, 9, 153305-153315.	4.2	15
134	Novel Distributed Space-Time Trellis Codes for Relay Systems over Cascaded Rayleigh Fading. IEEE Communications Letters, 2010, 14, 1140-1142.	4.1	14
135	Error Rate Performance of Network-Coded Cooperative Diversity Systems. , 2010, , .		14
136	Outage capacity and throughput analysis of multiuser FSO systems. , 2015, , .		14
137	Relay-assisted OFDM-based visible light communications over multipath channels. , 2015, , .		14
138	Adaptive OFDM-based acoustic underwater transmission: System design and experimental verification. , 2017, , .		14
139	Vertical Underwater VLC Links over Cascaded Gamma-Gamma Turbulence Channels with Pointing Errors. , 2019, , .		14
140	Optimal Resource Allocation and Interference Management for Multi-User Uplink Light Communication Systems With Angular Diversity Technology. IEEE Access, 2020, 8, 203224-203236.	4.2	14
141	MAC layer performance of the IEEE 802.15.7 visible light communication standard. Transactions on Emerging Telecommunications Technologies, 2016, 27, 662-674.	3.9	13
142	Visible Light Channel Modeling for Gas Pipelines. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	13
143	Performance analysis of quantum key distribution in underwater turbulence channels. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 564.	2.1	13
144	Asymptotic Performance Analysis of Distributed Space-Time Codes. IEEE Communications Letters, 2006, 10, 775-777.	4.1	12

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145	Adaptive Power Loading for Multi-Relay OFDM Regenerative Networks with Relay Selection. IEEE Transactions on Communications, 2012, 60, 614-619.	7.8	12
146	On the benefits of cooperation via power control in OFDM-based visible light communication systems. , 2014, , .		12
147	Performance analysis of multiple-input multiple-output free-space optical systems with partially coherent Gaussian beams and finite-sized detectors. Optical Engineering, 2016, 55, 111607.	1.0	12
148	Resource Allocation for Visible Light Communication Systems Using Simulated Annealing Based on a Problem-Specific Neighbor Function. IEEE Access, 2019, 7, 64077-64091.	4.2	12
149	Performance Analysis of Incremental-Relay-Selection Decode-and-Forward Technique. , 2009, , .		11
150	Software defined VLC system: Implementation and performance evaluation. , 2015, , .		11
151	Novel channel models for visible light communications. Proceedings of SPIE, 2015, , .	0.8	11
152	Performance of multicarrier cooperative communication systems over underwater acoustic channels. IET Communications, 2017, 11, 1941-1951.	2.2	11
153	Vehicular Visible Light Communications with SPAD Receivers. , 2019, , .		11
154	Outage Performance of Mixed RF-FSO Systems Over DGG and Nakagami- m Channels. IEEE Wireless Communications Letters, 2020, 9, 2135-2139.	5.0	11
155	Composite Fading Model for Aerial MIMO FSO Links in the Presence of Atmospheric Turbulence and Pointing Errors. IEEE Wireless Communications Letters, 2021, 10, 1295-1299.	5.0	11
156	Flexible Generalized Spatial Modulation for Visible Light Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 1041-1045.	6.3	11
157	Non-Orthogonal Multiple Access-Based Underwater VLC Systems in the Presence of Turbulence. IEEE Photonics Journal, 2022, 14, 1-7.	2.0	11
158	Distributed Differential Space-Time Coding for Broadband Cooperative Networks. , 2009, , .		10
159	Relay-Assisted Quantum-Key Distribution Over Long Atmospheric Channels. Journal of Lightwave Technology, 2009, 27, 4508-4515.	4.6	10
160	Optimal relay placement in cooperative free-space optical communication systems. , 2012, , .		10
161	Outage performance of FSO multi-hop parallel relaying. , 2012, , .		10
162	Outage performance of MIMO free-space optical systems in gamma-gamma fading channels. , 2013, , .		10

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163	Outage performance of multi-hop hybrid FSO/RF communication systems. , 2015, , .		10
164	On the Performance of MIMO Cooperative Transmission for Broadband Vehicular Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 2297-2305.	6.3	10
165	Diversity Gain Analysis of Underwater Vertical MIMO VLC Links in the Presence of Turbulence. , 2019, , .		10
166	Transmit Laser Selection for Underwater Visible Light Communication Systems. , 2019, , .		10
167	Space-Time Block Coded Spatial Modulation for Indoor Visible Light Communications. IEEE Photonics Journal, 2022, 14, 1-11.	2.0	10
168	Distributed Space-Time Block Coded OFDM for Relay-Assisted Transmission. , 2006, , .		9
169	Relay-Assisted Free-Space Optical Communication. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	9
170	Mixed RF and Hybrid RF/FSO Relaying. , 2015, , .		9
171	Diversity-multiplexing tradeoff for network coded cooperative OFDMA systems. , 2015, , .		9
172	Adaptive Unipolar MIMO-OFDM for Visible Light Communications. , 2019, , .		9
173	Resource Allocation for Downlink OFDMA in Underwater Visible Light Communications. , 2019, , .		9
174	Efficient Resource Allocation Scheme for Multi-User Hybrid VLC/IR Networks. , 2019, , .		9
175	Deep Reinforcement Based Power Allocation for the Max-Min Optimization in Non-Orthogonal Multiple Access. IEEE Access, 2020, 8, 211235-211247.	4.2	9
176	Magnitude and Wrap-Phase OFDM for MIMO Visible Light Communication Systems. IEEE Communications Letters, 2021, 25, 2324-2328.	4.1	9
177	Ultraviolet Communications for Unmanned Aerial Vehicle Networks. IEEE Wireless Communications Letters, 2022, 11, 178-182.	5.0	9
178	Optimized Amplify-and-Forward Relaying for Vehicular Ad-Hoc Networks. , 2008, , .		8
179	Outage analysis of Hybrid-ARQ protocols in coherent free-space optical communications. , 2011, , .		8
180	A Novel Pulse-Positioned Coding Scheme for Fiber Fault Monitoring of a PON. IEEE Communications Letters, 2011, 15, 1007-1009.	4.1	8

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181	Performance of multiuser scheduling in free space optical systems over atmospheric turbulence channels. IET Optoelectronics, 2015, 9, 275-281.	3.3	8
182	Aperture averaging in multiple-input single-output free-space optical systems. Optical Engineering, 2015, 54, 066103.	1.0	8
183	On the Performance of MIMO OFDM-Based Intra-Vehicular VLC Networks. , 2016, , .		8
184	Comparative performance evaluation of MIMO visible light communication systems. , 2016, , .		8
185	Ultraviolet Communications for Ground-to-Air Links. , 2019, , .		8
186	Event-Triggered Adaptive Handover for Centralized Hybrid VLC/MMW Networks. IEEE Transactions on Communications, 2022, 70, 455-468.	7.8	8
187	Space-Time Coded Cooperative Diversity with Multiple-Antenna Nodes. , 2007, , .		7
188	Multi-relay cooperative OFDM with amplify-and-forward relaying. , 2009, , .		7
189	Performance analysis of cooperative diversity networks with imperfect channel estimation over Rician fading channels. , 2010, , .		7
190	Relay selection for cooperative underwater acoustic communication systems. , 2012, , .		7
191	An adaptive modulation scheme for coded free-space optical systems. , 2014, , .		7
192	Performance analysis of MIMO FSO systems with radial array beams and finite sized detectors. , 2014, , .		7
193	Fast-Decodable MIMO HARQ Systems. IEEE Transactions on Wireless Communications, 2015, 14, 2827-2840.	9.2	7
194	Relay-assisted OFDM for NLOS ultraviolet communication. , 2015, , .		7
195	Genetic algorithm based resource allocation technique for VLC networks. , 2017, , .		7
196	Adaptive DCO-OFDM for Underwater Visible Light Communications. , 2019, , .		7
197	An investigation of tree extraction from UAV-based photogrammetric dense point cloud. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	7
198	Time-Reversal Space-Time Equalization for Amplify-and-Forward Relaying. , 2006, , .		6

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199	Quasi-Orthogonal Time-Reversal Space-Time Block Coding for Frequency-Selective Fading Channels. IEEE Transactions on Signal Processing, 2007, 55, 772-778.	5.3	6
200	Optimum Power Allocation for Fading Relay Channels. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	6
201	Guest editorial: optical wireless communications. IEEE Journal on Selected Areas in Communications, 2009, 27, 1521-1525.	14.0	6
202	Sensing-throughput tradeoff in cooperative spectrum sensing. , 2012, , .		6
203	Multi-resampling Doppler compensation in cooperative underwater OFDM systems. , 2013, , .		6
204	The impact of location errors on achievable rates in OFDM-based multi-user visible light communication systems. , 2014, , .		6
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