

# Vuong Mai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3980093/publications.pdf>

Version: 2024-02-01

67  
papers

563  
citations

687363

13  
h-index

794594

19  
g-index

68  
all docs

68  
docs citations

68  
times ranked

366  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Design of Rate Adaptation for Relay-Assisted Satellite Hybrid FSO/RF Systems. IEEE Photonics Journal, 2022, 14, 1-11.	2.0	18
2	Multiple-Aperture Direct-Detection Receiver Based on Maximal Ratio Combining for FSO Communication. IEEE Photonics Technology Letters, 2022, 34, 405-408.	2.5	6
3	Variable Focus Lens-Based Beam Steering and Divergence Control for WDM Free-Space Optical Communication. , 2022, , .		3
4	Link-Layer Retransmission-Based Error-Control Protocols in FSO Communications: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 1602-1633.	39.4	12
5	Dynamic Adaptive Beam Control System Using Variable Focus Lenses for Laser Inter-Satellite Link. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	7
6	TCP over hybrid FSO/RF-based satellite networks in the presence of cloud coverage. IEICE Communications Express, 2022, 11, 649-654.	0.4	1
7	On the Design of RIS-UAV Relay-Assisted Hybrid FSO/RF Satellite-Aerial-Ground Integrated Network. IEEE Transactions on Aerospace and Electronic Systems, 2022, , 1-15.	4.7	16
8	Reliable Transmission for Underwater Optical Wireless Communication Networks with Energy Harvesting. , 2021, , .		4
9	Level Crossing Rate and Average Fade Duration of Satellite-to-UAV FSO Channels. IEEE Photonics Journal, 2021, 13, 1-14.	2.0	20
10	Beaconless PAT and adaptive beam control using variable focus lens for free-space optical communication systems. APL Photonics, 2021, 6, .	5.7	19
11	Mitigation of Scintillation in FSOC Using RSOA-Based Spectrum-Sliced Incoherent Light. IEEE Photonics Technology Letters, 2021, 33, 227-230.	2.5	7
12	Link availability of satellite-based FSO communications in the presence of clouds and turbulence. IEICE Communications Express, 2021, 10, 206-211.	0.4	9
13	Reliability improvement of satellite-based quantum key distribution systems using retransmission scheme. Photonic Network Communications, 2021, 42, 27.	2.7	2
14	Non-Mechanical Beam Steering and Adaptive Beam Control Using Variable Focus Lenses for Free-Space Optical Communications. Journal of Lightwave Technology, 2021, 39, 7600-7608.	4.6	21
15	Probing Packet Retransmission Scheme in Underwater Optical Wireless Communication With Energy Harvesting. IEEE Access, 2021, 9, 34287-34297.	4.2	7
16	Variable Focus Lens-Based Optical Beam Steering and Adaptive Beam Control Techniques for Free-Space Optical Communications. , 2021, , .		0
17	Average Transmission Rate and Outage Performance of Relay-Assisted Satellite Hybrid FSO/RF Systems. , 2021, , .		5
18	Mitigation of Scintillation Effect Using Spectrum-Sliced Incoherent Light Source for Free-Space Optical Communication. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Underwater optical wireless communication-based IoUT networks: MAC performance analysis and improvement. <i>Optical Switching and Networking</i> , 2020, 37, 100570.	2.0	20
20	Design and Performance Evaluation of Large-Scale VLC-Based Indoor Positioning Systems Under Impact of Receiver Orientation. <i>IEEE Access</i> , 2020, 8, 61891-61904.	4.2	15
21	Comprehensive performance analysis of satellite-to-ground FSO/QKD systems using key retransmission. <i>Optical Engineering</i> , 2020, 59, .	1.0	3
22	Beam Control and Tracking Techniques for Free-Space Optical Communications. , 2020, , .		0
23	Quantum key distribution solution over indoor visible light communication networks. , 2020, , .		1
24	Performance Enhancement of Satellite FSO/QKD Systems using HAP-based Relaying and ARQ. , 2020, , .		0
25	A Compact Angle-of-Arrival Tracking System for Free-Space Optical Communication Systems. , 2020, , .		3
26	Beam Control and Tracking Techniques for High-Altitude Airborne Free-Space Optical Communication Systems. , 2020, , .		5
27	TCP over Satellite-to-Unmanned Aerial/Ground Vehicles Laser Links: Hybla or Cubic?. , 2020, , .		6
28	SINR Performance Analysis of 3-D Underwater Optical Wireless Communication Networks. , 2019, , .		3
29	Wide Field-of-View Transceiver Design for Bidirectional Free-space Optical Communication Systems. , 2019, , .		3
30	Design and Analysis of Sliding Window ARQ Protocols With Rate Adaptation for Burst Transmission Over FSO Turbulence Channels. <i>Journal of Optical Communications and Networking</i> , 2019, 11, 151.	4.8	13
31	A PHY/MAC Cross-Layer Analysis for IEEE 802.15.7 Uplink Visible Local Area Network. <i>IEEE Photonics Journal</i> , 2019, 11, 1-17.	2.0	5
32	Beam Size Optimization and Adaptation for High-Altitude Airborne Free-Space Optical Communication Systems. <i>IEEE Photonics Journal</i> , 2019, 11, 1-13.	2.0	46
33	HAP-based Multi-hop FSO Systems Using All-Optical Relaying and Coherent Receiver. , 2019, , .		2
34	Alignment Error Mitigation Techniques for Airborne Free-Space Optical Communication Systems. , 2019, , .		0
35	Throughput Analysis of Incremental Redundancy Hybrid ARQ for FSO-Based Satellite Systems. , 2019, , .		15
36	On the Throughput Performance of TCP Cubic in Millimeter-Wave Cellular Networks. <i>IEEE Access</i> , 2019, 7, 178618-178630.	4.2	15

#	ARTICLE	IF	CITATIONS
37	Mitigation of Effects of Angle-of-Arrival Fluctuation and Pointing Error on Airborne Free-Space Optical Systems. , 2019, , .		10
38	Sliding Window Protocols with Rate Adaptation for FSO Burst Transmission over Turbulence Channels. , 2018, , .		2
39	Link Availability of Airborne Free-Space Optical Communication Systems under Effect of Generalized Misalignment. , 2018, , .		4
40	Link Availability of Terrestrial Free-Space Optical Communication Systems in Korea Estimated by Using Macro-Meteorological Data. , 2018, , .		0
41	Modeling and Throughput Analysis of FSO Systems using GBN-ARQ and AR Transmission over Atmospheric Turbulence Channels. , 2018, , .		2
42	Adaptive beam control techniques for airborne free-space optical communication systems. Applied Optics, 2018, 57, 7462.	1.8	39
43	A cross-layer analysis of TCP/link adaptation technologies over free-space optical links with Markov error model. Photonic Network Communications, 2018, 36, 279-288.	2.7	6
44	Comments on "Capacities for Long-Distance Free-Space Optical Links Under Beam Wander Effects" IEEE Photonics Technology Letters, 2018, 30, 1991-1993.	2.5	0
45	CSMA/CA-based uplink MAC protocol design and analysis for hybrid VLC/Wifi networks. , 2017, , .		11
46	On the performance of TCP cubic over fading channels with AMC schemes. , 2017, , .		1
47	Joint Queue-Aware and Channel-Aware for a Novel Operation of Hybrid FSO/RF Systems. , 2016, , .		0
48	TCP over free-space optical links with ARQ and AMC: A cross-layer performance analysis. , 2016, , .		4
49	Cross-Layer Designs and Analysis of Adaptive-Rate Transmission and ARQ for Free-Space Optical Communications. IEEE Photonics Journal, 2016, 8, 1-15.	2.0	21
50	Integrated FSO/PON for Broadband Access Networks: A Comprehensive Protocol Stack Design and Analysis. , 2015, , .		5
51	Tweaked binary tree algorithm to cope with capture effect and detection error in RFID systems. , 2015, , .		2
52	Adaptive rate-based MAC protocols design and analysis for integrated FSO/PON networks. , 2015, , .		5
53	Performance analysis of parallel FSO/MMW systems with adaptive rate under weather effects. , 2015, , .		5
54	Hybrid free-space optics/millimeter-wave architecture for 5G cellular backhaul networks. , 2015, , .		29

#	ARTICLE	IF	CITATIONS
55	Adaptive Multi-Rate Designs and Analysis for Hybrid FSO/RF Systems over Fading Channels. IEICE Transactions on Communications, 2015, E98.B, 1660-1671.	0.7	11
56	Performance analysis of TCP over visible light communication networks with ARQ-SR protocol. Transactions on Emerging Telecommunications Technologies, 2014, 25, 600-608.	3.9	5
57	Cross-layer design and analysis for FSO links using automatic repeat request and adaptive modulation/coding schemes. , 2014, , .		5
58	Adaptive multi-rate designs for hybrid FSO/RF systems over fading channels. , 2014, , .		17
59	Design and performance evaluation of VLC indoor positioning system using optical orthogonal codes. , 2014, , .		28
60	Integrated FSO/PON for Broadband Access Networks: A Comprehensive Protocol Stack Design and Analysis. , 2014, , .		0
61	Performance Analysis of Cooperative-ARQ Schemes in Free-Space Optical Communications. IEICE Transactions on Communications, 2014, E97.B, 1614-1622.	0.7	8
62	A novel access protocol for collision-free and low-latency OBS-ring networks. , 2013, , .		0
63	Performance analysis of TCP over free-space optical links with ARQ-SR. , 2013, , .		3
64	Throughput analysis of TCP over visible light communication indoor networks. , 2013, , .		1
65	Performance of TCP Over Free-Space Optical Atmospheric Turbulence Channels. Journal of Optical Communications and Networking, 2013, 5, 1168.	4.8	20
66	Impact of reflections and ISI on the throughput of TCP over VLC networks with ARQ-SR protocol. , 2013, , .		3
67	A novel scheme of optical code-based header processing for OBS networks using JIT signaling. , 2012, , .		0