

Peter G Lopresti

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

154
citations

1684188

5
h-index

1720034

7
g-index

26
all docs

26
docs citations

26
times ranked

100
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | On the Capacity of Hybrid FSO/RF Links. , 2010, , . | | 20 |
| 2 | Adaptive divergence and power for improving connectivity in free-space optical mobile networks. Applied Optics, 2006, 45, 6591. | 2.1 | 15 |
| 3 | Dynamic Path Reconfiguration Among Hybrid FSO/RF Nodes. , 2008, , . | | 15 |
| 4 | Cognitive Multi-Point Free Space Optical Communication: Real-Time Users Discovery Using Unsupervised Machine Learning. IEEE Access, 2020, 8, 207575-207588. | 4.2 | 15 |
| 5 | Control algorithm development for mobile FSO node alignment. , 2009, , . | | 10 |
| 6 | Multi-user FSO communication link. , 2017, , . | | 8 |
| 7 | Multiple access technique in a high-speed free-space optical communication link: independent component analysis. Optical Engineering, 2019, 58, 1. | 1.0 | 7 |
| 8 | Selection diversity for wireless optical communications with non-coherent detection without CSI. , 2010, , . | | 6 |
| 9 | Wide-area and omnidirectional optical detector arrays using modular optical elements. Applied Optics, 2016, 55, 4791. | 2.1 | 6 |
| 10 | Performance comparison of classic and fuzzy logic controllers for communication airships. , 2009, , . | | 5 |
| 11 | Diversity combining for mobile FSO nodes in SIMO setup. , 2011, , . | | 5 |
| 12 | Modeling of aerial-to-aerial short-distance free-space optical links. , 2013, , . | | 5 |
| 13 | Wavelength dependence of a fiber-bundle based FSO link. , 2014, , . | | 5 |
| 14 | On the Development of Modular Optical Wireless Elements (MOWE). , 2015, , . | | 5 |
| 15 | Number of Users Detection in Multi-Point FSOC Using Unsupervised Machine Learning. IEEE Photonics Technology Letters, 2019, 31, 1811-1814. | 2.5 | 5 |
| 16 | Performance evaluation of AODVH: An Ad hoc networking scheme for hybrid nodes. , 2010, , . | | 4 |
| 17 | Modeling of aerial-to-aerial short-distance free-space optical links. , 2013, , . | | 4 |
| 18 | Differential strain measurement using multiplexed fiber Bragg grating sensors. ISA Transactions, 2004, 43, 195-204. | 5.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Characterization of a differential fiber Bragg grating sensor for oil-water boundary detection. ISA Transactions, 2005, 44, 3-13. | 5.7 | 3 |
| 20 | Performance comparison of CSMA/CA Advanced Infrared (Alr) and a new point-to-multipoint optical MAC protocol. , 2012, , . | | 3 |
| 21 | Experimental demonstration/analysis of fiber-bundle-based receiver performance. , 2009, , . | | 1 |
| 22 | Mobile free space optic nodes in singleâ€œinput multipleâ€œoutput setup under transmitter misalignment. Wireless Communications and Mobile Computing, 2011, 11, 1540-1550. | 1.2 | 1 |
| 23 | Wavelength agile FSO transceiver. , 2013, , . | | 1 |
| 24 | Performance analysis of a fiber-bundle based FSO link. , 2015, , . | | 1 |
| 25 | Multi-user detection in optical wireless communication. , 2019, , . | | 1 |
| 26 | Wavelength agile FSO receiver. , 2013, , . | | 0 |