

Hazem M El-Hageen

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

835
citations

840585

11
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

87
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely Sensitive Photonic Crystal Fiber-Based Cancer Cell Detector in the Terahertz Regime. <i>Plasmonics</i> , 2021, 16, 1297-1306.	1.8	90
2	Design and analysis of a single elliptical channel photonic crystal fiber sensor for potential malaria detection. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 202-211.	1.1	85
3	Silicon-Germanium Dioxide and Aluminum Indium Gallium Arsenide-Based Acoustic Optic Modulators. <i>Open Engineering</i> , 2020, 10, 506-511.	0.7	84
4	High-speed signal processing and wide band optical semiconductor amplifier in the optical communication systems. <i>Journal of Optical Communications</i> , 2024, 44, s1277-s1284.	4.0	83
5	RZ Line Coding Scheme With Direct Laser Modulation for Upgrading Optical Transmission Systems. <i>Open Engineering</i> , 2020, 10, 546-551.	0.7	82
6	Different modulation schemes for direct and external modulators based on various laser sources. <i>Journal of Optical Communications</i> , 2024, 44, s697-s706.	4.0	82
7	The Effects of Adding Different Adhesive Layers with a Microstructure Fiber Sensor Based on Surface Plasmon Resonance: A Numerical Study. <i>Plasmonics</i> , 2021, 16, 819-832.	1.8	78
8	Laser measured rate equations with various transmission coders for optimum of data transmission error rates. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2020, 20, 1406.	0.7	76
9	Spatial optical transmitter based on on/off keying line coding modulation scheme for optimum performance of telecommunication systems. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2021, 21, 305.	0.7	74
10	Design and numerical analysis of an extremely sensitive PCF-based sensor for detecting kerosene adulteration in petrol and diesel. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5419-5430.	3.4	58
11	Technical specifications for an all-optical switch for information storage and processing systems. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	29
12	Modeling the performance characteristics of optocoupler under irradiated fields. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2020, 3, 33-39.	0.9	5
13	A New Technique for Improving the Estimation of a Reflective Optical Color Sensor. <i>Sensing and Imaging</i> , 2020, 21, 1.	1.0	1
14	Advanced modulation coding schemes for an optical transceiver systems-based OWC communication channel model. <i>Bulletin of Electrical Engineering and Informatics</i> , 2021, 10, 767-775.	0.6	1