

Hazem M El-Hageen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13
papers

548
citations

11
h-index

15
g-index

15
ext. papers

751
ext. citations

1.9
avg, IF

3.71
L-index

#	Paper	IF	Citations
13	Silicon-Germanium Dioxide and Aluminum Indium Gallium Arsenide-Based Acoustic Optic Modulators. <i>Open Engineering</i> , 2020 , 10, 506-511	1.7	57
12	RZ Line Coding Scheme With Direct Laser Modulation for Upgrading Optical Transmission Systems. <i>Open Engineering</i> , 2020 , 10, 546-551	1.7	57
11	Different modulation schemes for direct and external modulators based on various laser sources. <i>Journal of Optical Communications</i> , 2020 ,	1.2	57
10	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	2.4	56
9	High-speed signal processing and wide band optical semiconductor amplifier in the optical communication systems. <i>Journal of Optical Communications</i> , 2020 ,	1.2	55
8	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	1.6	52
7	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	1.6	51
6	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	2.3	47
5	Extremely Sensitive Photonic Crystal FiberBased Cancer Cell Detector in the Terahertz Regime. <i>Plasmonics</i> , 2021 , 16, 1297-1306	2.4	46
4	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	6.1	38
3	Technical specifications for an all-optical switch for information storage and processing systems. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	21
2	Modeling the performance characteristics of optocoupler under irradiated fields. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2020 , 3, 33-39	1.4	2
1	A New Technique for Improving the Estimation of a Reflective Optical Color Sensor. <i>Sensing and Imaging</i> , 2020 , 21, 1	1.4	1