Lway Faisal Abdulrazak

List of Publications by Year
in descending order

41 papers	677 citations	516710 16 h-index	580821 25 g-index
45 all docs	45 docs citations	45 times ranked	507 citing authors

#	Article	IF	Citations
1	GaAs-filled elliptical core-based hexagonal PCF with excellent optical properties for nonlinear optical applications. Ceramics International, 2022, 48, 5617-5625.	4.8	13
2	Identification of Potential Key Genes and Molecular Mechanisms of Medulloblastoma Based on Integrated Bioinformatics Approach. BioMed Research International, 2022, 2022, 1-17.	1.9	8
3	2D Nanomaterial-Based Hybrid Structured (Au-WSe$_2$-PtSe$_2$-BP) Surface Plasmon Resonance (SPR) Sensor With Improved Performance. IEEE Access, 2022, 10, 689-698.	4.2	21
4	Novel shaped solid-core photonic crystal fiber for the numerical study of nonlinear optical properties. Optical and Quantum Electronics, 2022, 54, .	3.3	6
5	Tellurite glass based optical fiber for the investigation of supercontinuum generation and nonlinear properties. Physica Scripta, 2022, 97, 030007.	2.5	17
6	Plasmonic sensor based on microstructure PCF: performance analysis with outside detecting approach. Optical and Quantum Electronics, 2022, 54, 1.	3.3	4
7	Design of a Highly Sensitive Photonic Crystal Fiber Sensor for Sulfuric Acid Detection. Micromachines, 2022, 13, 670.	2.9	10
8	Discovering Common Pathophysiological Processes between COVID-19 and Cystic Fibrosis by Differential Gene Expression Pattern Analysis. BioMed Research International, 2022, 2022, 1-12.	1.9	2
9	Inspection of an HSH-PCF for optical Communication with high Non-linearity, birefringence and negative dispersion. AEJ - Alexandria Engineering Journal, 2022, 61, 11139-11147.	6.4	9
10	Hybrid structure based high performance SPRÂsensor: a numerical approach of structure optimization for DNA hybridization. Optical and Quantum Electronics, 2021, 53, 1.	3.3	11
11	Design of novel models for optical communication with ultra-high non-linearity, birefringence and low loss profile. Physica Scripta, 2021, 96, 125107.	2.5	12
12	Hollow core negative curvature fiber based refractive index sensor design and investigation for tuberculosis monitoring. Physica Scripta, 2021, 96, 125877.	2.5	4
13	Numerical analysis of gold coating based quasi D-shape dual core PCF SPR sensor. Optical and Quantum Electronics, 2020, 52, 1.	3.3	23
14	Numerical Investigation into Optoelectronic Performance of InGaN Blue Laser in Polar, Non-Polar and Semipolar Crystal Orientation. Crystals, 2020, 10, 1033.	2.2	3
15	High sensitivity hollow core circular shaped PCF surface plasmonic biosensor employing silver coat: A numerical design and analysis with external sensing approach. Results in Physics, 2020, 16, 102909.	4.1	39
16	A Compact Substrate Integrated Waveguide Cavity-Backed Self-Triplexing Antenna. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2362-2366.	3.0	52
17	Plasmonic temperature sensor using D-shaped photonic crystal fiber. Results in Physics, 2020, 16, 102966.	4.1	72
18	Numerical Study of Circularly Slotted Highly Sensitive Plasmonic Biosensor: A Novel Approach. Results in Physics, 2020, 17, 103130.	4.1	41

#	Article	IF	Citations
19	Low-Profile Frequency Reconfigurable Antenna for Heterogeneous Wireless Systems. Electronics (Switzerland), 2019, 8, 976.	3.1	36
20	High performance refractive index SPR sensor modeling employing graphene tri sheets. Results in Physics, 2019, 15, 102719.	4.1	47
21	Modeling of a fiber optic SPR biosensor employing Tin Selenide (SnSe) allotropes. Results in Physics, 2019, 15, 102623.	4.1	22
22	High-Performance Multiple-Input Multiple-Output Antenna System For 5G Mobile Terminals. Electronics (Switzerland), 2019, 8, 1090.	3.1	59
23	Design and analysis of graphene–MoS2 hybrid layer based SPR biosensor with TiO2–SiO2 nano film for formalin detection: numerical approach. Optical and Quantum Electronics, 2019, 51, 1.	3.3	19
24	Utilization of a phosphorene-graphene/TMDC heterostructure in a surface plasmon resonance-based fiber optic biosensor. Photonics and Nanostructures - Fundamentals and Applications, 2019, 35, 100711.	2.0	35
25	Design and numerical analysis of a graphene-coated fiber-optic SPR biosensor using tungsten disulfide. Photonics and Nanostructures - Fundamentals and Applications, 2019, 33, 29-35.	2.0	32
26	Modeling of a fiber-optic surface plasmon resonance biosensor employing phosphorene for sensing applications. Optical Engineering, 2019, 58, 1.	1.0	8
27	Numerical modeling of graphene-coated fiber optic surface plasmon resonance biosensor for BRCA1 and BRCA2 genetic breast cancer detection. Optical Engineering, 2019, 58, 1.	1.0	27
28	Graphene-MoS2-Au-TiO2-SiO2 Hybrid SPR Biosensor for Formalin Detection: Numerical Analysis and Development. Advanced Materials Letters, 2019, 10, 656-662.	0.6	16
29	Interference Assessment Methodology. , 2018, , 43-64.		0
30	FSS Shielding and Antenna Discrimination as an Interference Mitigation Technique. , 2018, , 65-80.		0
31	I-MUSIC Algorithm and Fixed Null Insertion. , 2018, , 81-102.		0
32	Preparation of nanocomposite polypyrrole/cellulose nanocrystals for conductive paper. Nordic Pulp and Paper Research Journal, 2018, 33, 309-316.	0.7	5
33	Electrical conductive polyaniline in various nanostructures for corrosion inhibition of carbon steel. Journal of Mechanical Engineering and Sciences, 2018, 12, 3738-3749.	0.6	2
34	Stratospheric Winds and Rain Effect on HAPS Backhaul Link Performance. Kurdistan Journal of Applied Research, 2017, 2, 252-259.	0.4	2
35	Broad-Spectrum Model for Sharing Analysis between IMTAdvanced Systems and FSS Receiver. IOSR Journal of Electronics and Communication Engineering, 2017, 12, 52-56.	0.1	1
36	Inconsistent Guard Time Span With on Mobile 4G System. IOSR Journal of Electronics and Communication Engineering, 2017, 12, 88-93.	0.1	0

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37	Interference Mitigation Technique Through Shielding and Antenna Discrimination. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 343-352.	0.4	2
38	Study HAPS interference power to noise level ratio of fixed services and related separation distance. , 2010, , .		7
39	Novel computation of expecting interference between FSS and IMT-Advanced for Malaysia. , 2008, , .		2
40	Design and development of high-gain wideband circularly polarized patch antenna. , 2008, , .		3
41	Uni-omnidirectional radial waveguide slot array antenna design for wireless local area network. , 2008, , .		1