

Lway Faisal Abdulrazak

List of Publications by Year in descending order

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Version: 2024-02-01

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	Plasmonic temperature sensor using D-shaped photonic crystal fiber. Results in Physics, 2020, 16, 102966.	4.1	72
2	High-Performance Multiple-Input Multiple-Output Antenna System For 5G Mobile Terminals. Electronics (Switzerland), 2019, 8, 1090.	3.1	59
3	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
4	High performance refractive index SPR sensor modeling employing graphene tri sheets. Results in Physics, 2019, 15, 102719.	4.1	47
5	Numerical Study of Circularly Slotted Highly Sensitive Plasmonic Biosensor: A Novel Approach. Results in Physics, 2020, 17, 103130.	4.1	41
6	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
7	Low-Profile Frequency Reconfigurable Antenna for Heterogeneous Wireless Systems. Electronics (Switzerland), 2019, 8, 976.	3.1	36
8	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
9	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
10	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
11	Numerical analysis of gold coating based quasi D-shape dual core PCF SPR sensor. Optical and Quantum Electronics, 2020, 52, 1.	3.3	23
12	Modeling of a fiber optic SPR biosensor employing Tin Selenide (SnSe) allotropes. Results in Physics, 2019, 15, 102623.	4.1	22
13	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
14	Design and analysis of graphene-MoS ₂ hybrid layer based SPR biosensor with TiO ₂ -SiO ₂ nano film for formalin detection: numerical approach. Optical and Quantum Electronics, 2019, 51, 1.	3.3	19
15	Tellurite glass based optical fiber for the investigation of supercontinuum generation and nonlinear properties. Physica Scripta, 2022, 97, 030007.	2.5	17
16	Graphene-MoS ₂ -Au-TiO ₂ -SiO ₂ Hybrid SPR Biosensor for Formalin Detection: Numerical Analysis and Development. Advanced Materials Letters, 2019, 10, 656-662.	0.6	16
17	GaAs-filled elliptical core-based hexagonal PCF with excellent optical properties for nonlinear optical applications. Ceramics International, 2022, 48, 5617-5625.	4.8	13
18	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

#	ARTICLE	IF	CITATIONS
19	Hybrid structure based high performance SPR sensor: a numerical approach of structure optimization for DNA hybridization. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	11
20	Design of a Highly Sensitive Photonic Crystal Fiber Sensor for Sulfuric Acid Detection. <i>Micromachines</i> , 2022, 13, 670.	2.9	10
21	Inspection of an HSH-PCF for optical Communication with high Non-linearity, birefringence and negative dispersion. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 11139-11147.	6.4	9
22	Modeling of a fiber-optic surface plasmon resonance biosensor employing phosphorene for sensing applications. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	8
23	Identification of Potential Key Genes and Molecular Mechanisms of Medulloblastoma Based on Integrated Bioinformatics Approach. <i>BioMed Research International</i> , 2022, 2022, 1-17.	1.9	8
24	Study HAPS interference power to noise level ratio of fixed services and related separation distance. , 2010, , .		7
25	Novel shaped solid-core photonic crystal fiber for the numerical study of nonlinear optical properties. <i>Optical and Quantum Electronics</i> , 2022, 54, .	3.3	6
26	Preparation of nanocomposite polypyrrole/cellulose nanocrystals for conductive paper. <i>Nordic Pulp and Paper Research Journal</i> , 2018, 33, 309-316.	0.7	5
27	Hollow core negative curvature fiber based refractive index sensor design and investigation for tuberculosis monitoring. <i>Physica Scripta</i> , 2021, 96, 125877.	2.5	4
28	Plasmonic sensor based on microstructure PCF: performance analysis with outside detecting approach. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	3.3	4
29	Design and development of high-gain wideband circularly polarized patch antenna. , 2008, , .		3
30	Numerical Investigation into Optoelectronic Performance of InGaN Blue Laser in Polar, Non-Polar and Semipolar Crystal Orientation. <i>Crystals</i> , 2020, 10, 1033.	2.2	3
31	Novel computation of expecting interference between FSS and IMT-Advanced for Malaysia. , 2008, , .		2
32	Interference Mitigation Technique Through Shielding and Antenna Discrimination. <i>International Journal of Multimedia and Ubiquitous Engineering</i> , 2015, 10, 343-352.	0.4	2
33	Electrical conductive polyaniline in various nanostructures for corrosion inhibition of carbon steel. <i>Journal of Mechanical Engineering and Sciences</i> , 2018, 12, 3738-3749.	0.6	2
34	Stratospheric Winds and Rain Effect on HAPS Backhaul Link Performance. <i>Kurdistan Journal of Applied Research</i> , 2017, 2, 252-259.	0.4	2
35	Discovering Common Pathophysiological Processes between COVID-19 and Cystic Fibrosis by Differential Gene Expression Pattern Analysis. <i>BioMed Research International</i> , 2022, 2022, 1-12.	1.9	2
36	Uni-omnidirectional radial waveguide slot array antenna design for wireless local area network. , 2008, , .		1

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37	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
38	Interference Assessment Methodology. , 2018, , 43-64.		0
39	FSS Shielding and Antenna Discrimination as an Interference Mitigation Technique. , 2018, , 65-80.		0
40	I-MUSIC Algorithm and Fixed Null Insertion. , 2018, , 81-102.		0
41	Inconsistent Guard Time Span With on Mobile 4G System. IOSR Journal of Electronics and Communication Engineering, 2017, 12, 88-93.	0.1	0