

# Santosh Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/990637/publications.pdf>

Version: 2024-02-01

489  
papers

12,361  
citations

30047

54  
h-index

48277

88  
g-index

495  
all docs

495  
docs citations

495  
times ranked

11513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of oxygen vacancies and Ti <sup>3+</sup> state in TiO <sub>2</sub> thin film and enhanced optical properties by air plasma treatment. <i>Scientific Reports</i> , 2016, 6, 32355.	1.6	929
2	Deterministic strain-induced arrays of quantum emitters in a two-dimensional semiconductor. <i>Nature Communications</i> , 2017, 8, 15053.	5.8	350
3	Strain-Induced Spatial and Spectral Isolation of Quantum Emitters in Mono- and Bilayer WSe <sub>2</sub> . <i>Nano Letters</i> , 2015, 15, 7567-7573.	4.5	229
4	Atom based RF electric field sensing. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 202001.	0.6	216
5	Oxidative stress and cardiac hypertrophy: a review. <i>Toxicology Mechanisms and Methods</i> , 2012, 22, 359-366.	1.3	183
6	Recent advancements in optical biosensors for cancer detection. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113805.	5.3	173
7	4(N,N-dimethylamino) benzaldehyde nicotinic hydrazone as corrosion inhibitor for mild steel in 1 M HCl solution: An experimental and theoretical study. <i>Journal of Molecular Liquids</i> , 2016, 216, 738-746.	2.3	157
8	MoS <sub>2</sub> Functionalized Multicore Fiber Probes for Selective Detection of <i>Shigella</i> Bacteria Based on Localized Plasmon. <i>Journal of Lightwave Technology</i> , 2021, 39, 4069-4081.	2.7	144
9	2D material assisted SMF-MCF-MMF-SMF based LSPR sensor for creatinine detection. <i>Optics Express</i> , 2021, 29, 38150.	1.7	132
10	Silicification in Grasses: Variation between Different Cell Types. <i>Frontiers in Plant Science</i> , 2017, 8, 438.	1.7	123
11	An approach to low-density polyethylene biodegradation by <i>Bacillus amyloliquefaciens</i> . <i>3 Biotech</i> , 2015, 5, 81-86.	1.1	121
12	Convex fiber-tapered seven core fiber-convex fiber (CTC) structure-based biosensor for creatinine detection in aquaculture. <i>Optics Express</i> , 2022, 30, 13898.	1.7	119
13	Taper-in-taper fiber structure-based LSPR sensor for alanine aminotransferase detection. <i>Optics Express</i> , 2021, 29, 43793.	1.7	116
14	Atom-Based Sensing of Weak Radio Frequency Electric Fields Using Homodyne Readout. <i>Scientific Reports</i> , 2017, 7, 42981.	1.6	113
15	Nanomembrane Quantum Light-Emitting Diodes Integrated onto Piezoelectric Actuators. <i>Advanced Materials</i> , 2012, 24, 2668-2672.	11.1	111
16	A light-hole exciton in a quantum dot. <i>Nature Physics</i> , 2014, 10, 46-51.	6.5	111
17	Gold-Immobilized Photonic Crystal Fiber-Based SPR Biosensor for Detection of Malaria Disease in Human Body. <i>IEEE Sensors Journal</i> , 2021, 21, 17800-17807.	2.4	111
18	Water Pollutants p-Cresol Detection Based on Au-ZnO Nanoparticles Modified Tapered Optical Fiber. <i>IEEE Transactions on Nanobioscience</i> , 2021, 20, 377-384.	2.2	109

#	ARTICLE	IF	CITATIONS
19	Etched multicore fiber sensor using copper oxide and gold nanoparticles decorated graphene oxide structure for cancer cells detection. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112557.	5.3	108
20	Histone and DNA Methylation-Mediated Epigenetic Downregulation of Endothelial Kruppel-Like Factor 2 by Low-Density Lipoprotein Cholesterol. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1936-1942.	1.1	106
21	Implementation of XOR/XNOR and AND logic gates by using Mach-Zehnder interferometers. <i>Optik</i> , 2014, 125, 5764-5767.	1.4	105
22	Metasurface for characterization of the polarization state of light. <i>Optics Express</i> , 2015, 23, 10272.	1.7	104
23	Introduction to magnesium alloy processing technology and development of low-cost stir casting process for magnesium alloy and its composites. <i>Journal of Magnesium and Alloys</i> , 2018, 6, 245-254.	5.5	102
24	Rydberg-atom based radio-frequency electrometry using frequency modulation spectroscopy in room temperature vapor cells. <i>Optics Express</i> , 2017, 25, 8625.	1.7	101
25	Plasmonic Biosensor With Gold and Titanium Dioxide Immobilized on Photonic Crystal Fiber for Blood Composition Detection. <i>IEEE Sensors Journal</i> , 2022, 22, 8474-8481.	2.4	101
26	Discrete quantum dot like emitters in monolayer MoSe <sub>2</sub> : Spatial mapping, magneto-optics, and charge tuning. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	95
27	Mechanism of silica deposition in sorghum silica cells. <i>New Phytologist</i> , 2017, 213, 791-798.	3.5	95
28	Strategies to Improve Antimicrobial Utilization with a Special Focus on Developing Countries. <i>Life</i> , 2021, 11, 528.	1.1	95
29	Vascular microRNA-204 is remotely governed by the microbiome and impairs endothelium-dependent vasorelaxation by downregulating Sirtuin1. <i>Nature Communications</i> , 2016, 7, 12565.	5.8	93
30	A selective "turn-on" fluorescent chemosensor for detection of Al <sup>3+</sup> in aqueous medium: Experimental and theoretical studies. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 888-899.	4.0	93
31	Implementation of full-adder and full-subtractor based on electro-optic effect in Mach-Zehnder interferometers. <i>Optics Communications</i> , 2014, 324, 93-107.	1.0	92
32	Sirtuin1-regulated lysine acetylation of p66Shc governs diabetes-induced vascular oxidative stress and endothelial dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1714-1719.	3.3	92
33	Effect of Vapor-Cell Geometry on Rydberg-Atom-Based Measurements of Radio-Frequency Electric Fields. <i>Physical Review Applied</i> , 2015, 4, .	1.5	91
34	Homocysteine promotes human endothelial cell dysfunction via site-specific epigenetic regulation of p66shc. <i>Cardiovascular Research</i> , 2011, 92, 466-475.	1.8	90
35	1Å-4 signal router using three Mach-Zehnder interferometers. <i>Optical Engineering</i> , 2013, 52, 035002.	0.5	86
36	Design and Sensitivity Improvement of Microstructured-Core Photonic Crystal Fiber Based Sensor for Methane and Hydrogen Fluoride Detection. <i>IEEE Sensors Journal</i> , 2022, 22, 1265-1272.	2.4	80

#	ARTICLE	IF	CITATIONS
37	Recent optical sensing technologies for the detection of various biomolecules: Review. Optics and Laser Technology, 2021, 134, 106620.	2.2	72
38	LSPR-based cholesterol biosensor using a tapered optical fiber structure. Biomedical Optics Express, 2019, 10, 2150.	1.5	72
39	LSPR-Based Cholesterol Biosensor Using Hollow Core Fiber Structure. IEEE Sensors Journal, 2019, 19, 7399-7406.	2.4	71
40	Polymer Optical Fiber Liquid Level Sensor: A Review. IEEE Sensors Journal, 2022, 22, 1081-1091.	2.4	69
41	P66Shc-Induced MicroRNA-34a Causes Diabetic Endothelial Dysfunction by Downregulating Sirtuin1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2394-2403.	1.1	67
42	SPR-Assisted Photonic Crystal Fiber-Based Dual-Wavelength Single Polarizing Filter With Improved Performance. IEEE Transactions on Plasma Science, 2021, 49, 3803-3810.	0.6	67
43	Highly sensitive and selective sensor probe using glucose oxidase/gold nanoparticles/graphene oxide functionalized tapered optical fiber structure for detection of glucose. Optik, 2020, 208, 164536.	1.4	66
44	LSPR based uric acid sensor using graphene oxide and gold nanoparticles functionalized tapered fiber. Optical Fiber Technology, 2019, 53, 102043.	1.4	65
45	Canonical Wnt Signaling Induces Vascular Endothelial Dysfunction via p66 <sup>Shc</sup> -Regulated Reactive Oxygen Species. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2301-2309.	1.1	64
46	Development of Glucose Sensor Using Gold Nanoparticles and Glucose-Oxidase Functionalized Tapered Fiber Structure. Plasmonics, 2020, 15, 841-848.	1.8	64
47	A Molecular-Beacon-Based Screen for Small Molecule Inhibitors of miRNA Maturation. ACS Chemical Biology, 2013, 8, 930-938.	1.6	63
48	Sirtuin 1 regulates cardiac electrical activity by deacetylating the cardiac sodium channel. Nature Medicine, 2017, 23, 361-367.	15.2	62
49	A novel periodically tapered structure-based gold nanoparticles and graphene oxide “ Immobilized optical fiber sensor to detect ascorbic acid. Optics and Laser Technology, 2020, 127, 106156.	2.2	62
50	Detection of L-Cysteine Using Silver Nanoparticles and Graphene Oxide Immobilized Tapered SMS Optical Fiber Structure. IEEE Sensors Journal, 2020, 20, 11372-11379.	2.4	60
51	Design of all-optical AND, OR, and XOR logic gates using photonic crystals for switching applications. Photonic Network Communications, 2021, 41, 109-118.	1.4	59
52	Space radiation triggers persistent stress response, increases senescent signaling, and decreases cell migration in mouse intestine. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9832-E9841.	3.3	58
53	Development of Uric Acid Biosensor Using Gold Nanoparticles and Graphene Oxide Functionalized Micro-Ball Fiber Sensor Probe. IEEE Transactions on Nanobioscience, 2020, 19, 173-182.	2.2	58
54	Influence of processing conditions on the properties of thermal sprayed coating: a review. Surface Engineering, 2021, 37, 1339-1372.	1.1	58

#	ARTICLE	IF	CITATIONS
55	SPR Based Biosensing Chip for COVID-19 Diagnosis A Review. IEEE Sensors Journal, 2022, 22, 13800-13810.	2.4	58
56	Implementation of optical switches using Mach-Zehnder interferometer. Optical Engineering, 2013, 52, 097106.	0.5	57
57	Development of Dopamine Sensor Using Silver Nanoparticles and PEG-Functionalized Tapered Optical Fiber Structure. IEEE Transactions on Biomedical Engineering, 2020, 67, 1542-1547.	2.5	57
58	Gold Nanoparticles and Uricase Functionalized Tapered Fiber Sensor for Uric Acid Detection. IEEE Sensors Journal, 2020, 20, 219-226.	2.4	56
59	In the Sense of Transcription Regulation by G-Quadruplexes: Asymmetric Effects in Sense and Antisense Strands. Biochemistry, 2014, 53, 3711-3718.	1.2	55
60	Resonant laser spectroscopy of localized excitons in monolayer WSe <sub>2</sub> . Optica, 2016, 3, 882.	4.8	55
61	Ultra-Sensitive Cholesterol Sensor Using Gold and Zinc-Oxide Nanoparticles Immobilized Core Mismatch MPM/SPS Probe. Journal of Lightwave Technology, 2020, 38, 2523-2529.	2.7	55
62	Development of Uric Acid Sensor Using Copper Oxide and Silver Nanoparticles Immobilized SMSMS Fiber Structure-Based Probe. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9097-9104.	2.4	55
63	2D Materials-Based Fiber Optic SPR Biosensor for Cancer Detection at 1550 nm. IEEE Sensors Journal, 2021, 21, 23957-23964.	2.4	55
64	Coulomb blockade in an atomically thin quantum dot coupled to a tunable Fermi reservoir. Nature Nanotechnology, 2019, 14, 442-446.	15.6	54
65	Crystallization kinetics and magnetic properties of Fe <sub>66</sub> Nb <sub>4</sub> B <sub>30</sub> bulk metallic glass. Journal of Alloys and Compounds, 2009, 483, 632-637.	2.8	53
66	Strain-tunable quantum dot embedded in a nanowire antenna. Physical Review B, 2014, 90, .	1.1	53
67	KELCH F-BOX protein positively influences Arabidopsis seed germination by targeting PHYTOCHROME-INTERACTING FACTOR1. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4120-E4129.	3.3	53
68	Performance analysis of all-optical full-adder based on two-dimensional photonic crystals. Journal of Computational Electronics, 2018, 17, 1124-1134.	1.3	53
69	Localized Surface Plasmon Resonance Based Hetero-Core Optical Fiber Sensor Structure for the Detection of L-Cysteine. IEEE Nanotechnology Magazine, 2020, 19, 201-208.	1.1	53
70	Design of optical reversible logic gates using electro-optic effect of lithium niobate based Mach-Zehnder interferometers. Applied Optics, 2016, 55, 5693.	2.1	51
71	Design of 1-bit and 2-bit magnitude comparators using electro-optic effect in Mach-Zehnder interferometers. Optics Communications, 2015, 357, 127-147.	1.0	49
72	Recent Advances in Two-Dimensional Materials-Based Kretschmann Configuration for SPR Sensors: A Review. IEEE Sensors Journal, 2022, 22, 1069-1080.	2.4	47

#	ARTICLE	IF	CITATIONS
73	Implementation of wavelength selector based on electro-optic effect in Mach-Zehnder interferometers for high speed communications. Optics Communications, 2015, 350, 108-118.	1.0	46
74	Design of One-Bit Magnitude Comparator Using Nonlinear Plasmonic Waveguide. Plasmonics, 2017, 12, 369-375.	1.8	46
75	Local tuning of photonic crystal nanocavity modes by laser-assisted oxidation. Applied Physics Letters, 2009, 95, .	1.5	45
76	Detection of Collagen-IV Using Highly Reflective Metal Nanoparticles Immobilized Photosensitive Optical Fiber-Based MZI Structure. IEEE Transactions on Nanobioscience, 2020, 19, 477-484.	2.2	45
77	Biocompatible and Biodegradable Polymer Optical Fiber for Biomedical Application: A Review. Biosensors, 2021, 11, 472.	2.3	45
78	Epigenetic upregulation of p6shc mediates low-density lipoprotein cholesterol-induced endothelial cell dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H189-H196.	1.5	44
79	Sensitivity Improvement of a MXene- Immobilized SPR Sensor With Ga-Doped-ZnO for Biomolecules Detection. IEEE Sensors Journal, 2022, 22, 6536-6543.	2.4	44
80	Strain-induced tuning of the emission wavelength of high quality GaAs/AlGaAs quantum dots in the spectral range of the 87Rb D2 lines. Applied Physics Letters, 2011, 99, 161118.	1.5	43
81	Proposed new approach to the design of universal logic gates using the electro-optic effect in Mach-Zehnder interferometers. Applied Optics, 2015, 54, 8479.	2.1	43
82	Systematic Review on the Therapeutic Options for COVID-19: Clinical Evidence of Drug Efficacy and Implications. Infection and Drug Resistance, 2020, Volume 13, 4673-4695.	1.1	43
83	Design of All-Optical Universal Gates Using Plasmonics Mach-Zehnder Interferometer for WDM Applications. Plasmonics, 2018, 13, 1277-1286.	1.8	42
84	Design of all-optical D flip-flop using photonic crystal waveguides for optical computing and networking. Applied Optics, 2020, 59, 7139.	0.9	42
85	Epitaxial quantum dots in stretchable optical microcavities. Optics Express, 2009, 17, 22452.	1.7	41
86	Signal router based on electro-optic effect of Mach-Zehnder interferometer for wavelength division multiplexing applications. Optics Communications, 2015, 353, 17-26.	1.0	41
87	Co(II), Ni(II), Cu(II) and Zn(II) complexes of acenaphthoquinone 3-(4-benzylpiperidyl)thiosemicarbazone: Synthesis, structural, electrochemical and antibacterial studies. Polyhedron, 2017, 134, 11-21.	1.0	41
88	Interplay between silica deposition and viability during the life span of sorghum silica cells. New Phytologist, 2018, 217, 1137-1145.	3.5	41
89	Localized Plasmon-Based Multicore Fiber Biosensor for Acetylcholine Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	41
90	Design of D flip-flop and T flip-flop using Mach-Zehnder interferometers for high-speed communication. Applied Optics, 2015, 54, 6397.	2.1	40

#	ARTICLE	IF	CITATIONS
91	MicroRNA-204 promotes vascular endoplasmic reticulum stress and endothelial dysfunction by targeting Sirtuin1. <i>Scientific Reports</i> , 2017, 7, 9308.	1.6	39
92	Influence of nitrogen on kinetics of dynamic recrystallization in Fe-Cr-Ni-Mo steel. <i>Vacuum</i> , 2018, 156, 20-29.	1.6	39
93	17.8 fs broadband Kerr-lens mode-locked Yb:CALGO oscillator. <i>Optics Letters</i> , 2021, 46, 1892.	1.7	39
94	Design of parity generator and checker circuit using electro-optic effect of Mach-Zehnder interferometers. <i>Optics Communications</i> , 2016, 364, 195-224.	1.0	38
95	Performance of thermal-sprayed coatings to combat hot corrosion of coal-fired boiler tube and effect of process parameters and post-coating heat treatment on coating performance: a review. <i>Surface Engineering</i> , 2021, 37, 833-860.	1.1	38
96	Controlling quantum dot emission by integration of semiconductor nanomembranes onto piezoelectric actuators. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 687-696.	0.7	36
97	Machine Learning and IoT-Based Waste Management Model. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-11.	1.1	36
98	Over-expression of a subgroup 4 R2R3 type MYB transcription factor gene from <i>Leucaena leucocephala</i> reduces lignin content in transgenic tobacco. <i>Plant Cell Reports</i> , 2013, 32, 161-171.	2.8	35
99	Residual stresses in laser welded ASTM A387 Grade 91 steel plates. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 575, 160-168.	2.6	35
100	Design of All Optical XOR Gate based on Photonic Crystal Ring Resonator. <i>Journal of Optical Communications</i> , 2019, 41, 51-56.	4.0	35
101	Zinc regulates the activity of kinase-phosphatase pair (BasPrkC/BasPrpC) in <i>Bacillus anthracis</i> . <i>BioMetals</i> , 2013, 26, 715-730.	1.8	34
102	Implementation of 2-bit multiplier based on electro-optic effect in Mach-Zehnder interferometers. <i>Optical and Quantum Electronics</i> , 2015, 47, 3667-3688.	1.5	34
103	Calculating the Magnetic Anisotropy of Rare-Earth-Transition-Metal Ferrimagnets. <i>Physical Review Letters</i> , 2018, 120, 097202.	2.9	34
104	Silicification in Leaves of Sorghum Mutant with Low Silicon Accumulation. <i>Silicon</i> , 2019, 11, 2385-2391.	1.8	34
105	Siliplant1 protein precipitates silica in sorghum silica cells. <i>Journal of Experimental Botany</i> , 2020, 71, 6830-6843.	2.4	34
106	Design of photonic crystal based compact all-optical 2 <sup>∞</sup> -1 multiplexer for optical processing devices. <i>Microelectronics Journal</i> , 2021, 112, 105046.	1.1	34
107	MXenes-Based Fiber-Optic SPR Sensor for Colorectal Cancer Diagnosis. <i>IEEE Sensors Journal</i> , 2022, 22, 6661-6668.	2.4	34
108	A single-nucleotide variation in a p53-binding site affects nutrient-sensitive human SIRT1 expression. <i>Human Molecular Genetics</i> , 2010, 19, 4123-4133.	1.4	33

#	ARTICLE	IF	CITATIONS
109	Highly Sensitive, Selective and Portable Sensor Probe using Germanium-Doped Photosensitive Optical Fiber for Ascorbic Acid Detection. IEEE Sensors Journal, 2020, , 1-1.	2.4	33
110	Materialized View Selection Using Genetic Algorithm. Communications in Computer and Information Science, 2012, , 225-237.	0.4	32
111	Best practices for authors of healthcare-related artificial intelligence manuscripts. Npj Digital Medicine, 2020, 3, 134.	5.7	32
112	Catecholamine-induced myocardial fibrosis and oxidative stress is attenuated by <i>Terminalia arjuna</i> . Journal of Pharmacy and Pharmacology, 2009, 61, 1529-1536.	1.2	32
113	Redox Factor-1 Activates Endothelial SIRTUIN1 through Reduction of Conserved Cysteine Sulfhydryls in Its Deacetylase Domain. PLoS ONE, 2013, 8, e65415.	1.1	31
114	Endothelial CaMKII as a regulator of eNOS activity and NO-mediated vasoreactivity. PLoS ONE, 2017, 12, e0186311.	1.1	31
115	Rare-earth/transition-metal magnetic interactions in pristine and (Ni,Fe)-doped $YCo_5$ and $GdCo_5$ . <a href="https://doi.org/10.1038/s41535-017-0017-1">https://doi.org/10.1038/s41535-017-0017-1</a> . Physical Review Materials, 2017, 1, 011101.	0.9	31
116	Influence of processing conditions on the mechanical, tribological and fatigue performance of cold spray coating: a review. Surface Engineering, 2022, 38, 324-365.	1.1	31
117	Proposing Candidate Views for Materialization. Communications in Computer and Information Science, 2010, , 89-98.	0.4	30
118	Materialized View Selection Using Simulated Annealing. Lecture Notes in Computer Science, 2012, , 168-179.	1.0	30
119	Optimal control and cost effectiveness analysis for Newcastle disease eco-epidemiological model in Tanzania. Journal of Biological Dynamics, 2017, 11, 190-209.	0.8	30
120	P66Shc and vascular endothelial function. Bioscience Reports, 2019, 39, .	1.1	30
121	Development of Collagen-IV Sensor Using Optical Fiber-Based Mach-Zehnder Interferometer Structure. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.0	30
122	N-diethylaminosalicylidene based <i>turn-on</i> fluorescent Schiff base chemosensor for Al <sup>3+</sup> ion: Synthesis, characterisation and DFT/TD-DFT studies. Journal of Molecular Structure, 2022, 1247, 131257.	1.8	30
123	Performance analysis of all-optical NAND, NOR, and XNOR logic gates using photonic crystal waveguide for optical computing applications. Optical Engineering, 2020, 59, 1.	0.5	30
124	Understanding the Effect of Locked Nucleic Acid and 2-O-Methyl Modification on the Hybridization Thermodynamics of a miRNA-mRNA Pair in the Presence and Absence of AfPwi Protein. Biochemistry, 2014, 53, 1607-1615.	1.2	29
125	Design of plasmonic half-adder and half-subtractor circuits employing nonlinear effect in Mach-Zehnder interferometer. Journal of Computational Electronics, 2017, 16, 139-147.	1.3	29
126	Design of All-optical Half-subtractor Circuit Device using 2-D Principle of Photonic Crystal Waveguides. Journal of Optical Communications, 2019, 40, 195-203.	4.0	29



#	ARTICLE	IF	CITATIONS
127	Imaging and quantifying homeostatic levels of intracellular silicon in diatoms. <i>Science Advances</i> , 2020, 6, .	4.7	29
128	Tapered Optical Fiber-Based LSPR Biosensor for Ascorbic Acid Detection. <i>Photonic Sensors</i> , 2021, 11, 418-434.	2.5	29
129	Recent Advancement of Phase Shifted Fiber Bragg Grating Sensor for Ultrasonic Wave Application: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 7463-7474.	2.4	29
130	Tuning of the valence band mixing of excitons confined in GaAs/AlGaAs quantum dots via piezoelectric-induced anisotropic strain. <i>Physical Review B</i> , 2013, 87, .	1.1	28
131	Polyplex Formation between PEGylated Linear Cationic Block Copolymers and DNA: Equilibrium and Kinetic Studies. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7012-7025.	1.2	28
132	Towards spontaneous parametric down conversion from monolayer MoS <sub>2</sub> . <i>Scientific Reports</i> , 2018, 8, 3862.	1.6	28
133	Mode tuning of photonic crystal nanocavities by photoinduced non-thermal oxidation. <i>Applied Physics Letters</i> , 2012, 100, 033116.	1.5	27
134	A Nanomembrane-Based Wavelength-Tunable High-Speed Single-Photon-Emitting Diode. <i>Nano Letters</i> , 2013, 13, 5808-5813.	4.5	27
135	Design of universal shift register based on electro-optic effect of LiNbO <sub>3</sub> in Mach-Zehnder interferometer for high speed communication. <i>Optical and Quantum Electronics</i> , 2015, 47, 3509-3524.	1.5	27
136	Corrosion performance of hydroxyapatite and hydroxyapatite/titania bond coating for biomedical applications. <i>Materials Research Express</i> , 2020, 7, 015402.	0.8	27
137	Design of all-optical reversible logic gates using photonic crystal waveguides for optical computing and photonic integrated circuits. <i>Applied Optics</i> , 2020, 59, 11003.	0.9	27
138	Coherent detection-based photonic radar for autonomous vehicles under diverse weather conditions. <i>PLoS ONE</i> , 2021, 16, e0259438.	1.1	27
139	Thermo-metallurgical and thermo-mechanical computations for laser welded joint in 9Cr-1Mo(V, Nb) ferritic/martensitic steel. <i>Materials &amp; Design</i> , 2014, 59, 211-220.	5.1	26
140	Entanglement in random pure states: spectral density and average von Neumann entropy. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 445301.	0.7	25
141	Materialised view selection using randomised algorithms. <i>International Journal of Business Information Systems</i> , 2015, 19, 224.	0.2	25
142	Random Matrix Model for Nakagami-Hoyt Fading. <i>IEEE Transactions on Information Theory</i> , 2010, 56, 2360-2372.	1.5	24
143	An optical synchronous up counter based on electro-optic effect of lithium niobate based Mach-Zehnder interferometers. <i>Optical and Quantum Electronics</i> , 2015, 47, 3613-3626.	1.5	24
144	Effect of SiC Reinforcement and Its Variation on the Mechanical Characteristics of AZ91 Composites. <i>Materials</i> , 2020, 13, 4913.	1.3	24

#	ARTICLE	IF	CITATIONS
145	Childhood vaccinations and adult schooling attainment: Long-term evidence from India's Universal Immunization Programme. <i>Social Science and Medicine</i> , 2020, 250, 112885.	1.8	24
146	Impact of N <sub>2</sub> O Gas Adsorption Upon Electronic Properties of 2D MoSe <sub>2</sub> Monolayer: A DFT Approach. <i>IEEE Sensors Journal</i> , 2021, 21, 9756-9762.	2.4	24
147	Management of Children Admitted to Hospitals across Bangladesh with Suspected or Confirmed COVID-19 and the Implications for the Future: A Nationwide Cross-Sectional Study. <i>Antibiotics</i> , 2022, 11, 105.	1.5	24
148	Crossover ensembles of random matrices and skew-orthogonal polynomials. <i>Annals of Physics</i> , 2011, 326, 1877-1915.	1.0	23
149	Welding of Mo-Based Alloy Using Electron Beam and Laser-GTAW Hybrid Welding Techniques. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 1143-1152.	1.1	23
150	Hallucinations: Etiology and clinical implications. <i>Industrial Psychiatry</i> , 2009, 18, 119.	0.3	23
151	The Use of Different Image Recognition Techniques in Food Safety: A Study. <i>Journal of Food Quality</i> , 2021, 2021, 1-10.	1.4	23
152	Synthesis, crystal structure and luminescence properties of acenaphthene benzohydrazide based ligand and its zinc(II) complex. <i>Journal of Molecular Structure</i> , 2017, 1128, 195-204.	1.8	22
153	The Current Situation Regarding Long-Acting Insulin Analogues Including Biosimilars Among African, Asian, European, and South American Countries; Findings and Implications for the Future. <i>Frontiers in Public Health</i> , 2021, 9, 671961.	1.3	22
154	Materialized View Selection Using Iterative Improvement. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 205-213.	0.5	22
155	Design of optical decoder circuits using electro-optic effect inside Mach-Zehnder interferometers for high speed communication. <i>Photonic Network Communications</i> , 2018, 35, 79-89.	1.4	21
156	Self-Q-switching and passively Q-switched mode-locking of dual-wavelength Nd:YSAG laser. <i>Optics and Laser Technology</i> , 2020, 122, 105860.	2.2	21
157	Optimized plasmonic reversible logic gate for low loss communication. <i>Applied Optics</i> , 2021, 60, 4567.	0.9	21
158	Performance analysis of optimized plasmonic half-adder circuit using Mach-Zehnder interferometer for high-speed switching applications. <i>Microelectronics Journal</i> , 2021, 111, 105040.	1.1	21
159	Mode-selective image upconversion. <i>Optics Letters</i> , 2019, 44, 98.	1.7	21
160	Design and analysis of an optical three-input AND gate using a photonic crystal fiber. <i>Applied Optics</i> , 2022, 61, 77.	0.9	21
161	Effect of U50,488H, a $\mu$ -opioid receptor agonist on myocardial $\beta$ - and $\gamma$ -myosin heavy chain expression and oxidative stress associated with isoproterenol-induced cardiac hypertrophy in rat. <i>Molecular and Cellular Biochemistry</i> , 2010, 345, 231-240.	1.4	20
162	Wear Characteristics of Ni-Based Hardfacing Alloy Deposited on Stainless Steel Substrate by Laser Cladding. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 1237-1252.	1.1	20

#	ARTICLE	IF	CITATIONS
163	The impact of rural electrification on income and education: Evidence from Bhutan. <i>Review of Development Economics</i> , 2018, 22, 1146-1165.	1.0	20
164	High temperature oxidation performance of Ni-Cr-Ti and Ni-5Al coatings. <i>Materials Today: Proceedings</i> , 2020, 26, 3397-3406.	0.9	20
165	Design and analysis of hybrid optical distribution network for worst-case scenario of E2-class symmetric coexistence 80 Gbps TWDM NG-PON2 architecture for FTX access networks. <i>Optik</i> , 2021, 228, 166168.	1.4	20
166	The design, analysis, and simulation of an optimized all-optical AND gate using a Y-shaped plasmonic waveguide for high-speed computing devices. <i>Journal of Computational Electronics</i> , 2021, 20, 1892-1899.	1.3	20
167	Feasibility analysis of an SMS-/MSM-/SMSMS-based optical fiber sensor structure. <i>Applied Optics</i> , 2022, 61, 2327.	0.9	20
168	Design of XOR/AND gate using 2D photonic crystal principle. <i>Proceedings of SPIE</i> , 2017, , .	0.8	19
169	Oleic Acid Induces MiR-7 Processing through Remodeling of Pri-MiR-7/Protein Complex. <i>Journal of Molecular Biology</i> , 2017, 429, 1638-1649.	2.0	19
170	Analysis of the factors affecting the dimensional accuracy of 3D printed products. <i>Materials Today: Proceedings</i> , 2018, 5, 18674-18680.	0.9	19
171	Dependency of rate sensitive DRX behaviour on interstitial content of a Fe-Cr-Ni-Mo alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 148-158.	2.6	19
172	Design and analysis of a photonic crystal-based all-optical 3-input OR gate for high-speed optical processing. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	19
173	Cinnamate 4-Hydroxylase (C4H) genes from <i>Leucaena leucocephala</i> : a pulp yielding leguminous tree. <i>Molecular Biology Reports</i> , 2013, 40, 1265-1274.	1.0	18
174	Eigenvalue statistics for the sum of two complex Wishart matrices. <i>Europhysics Letters</i> , 2014, 107, 60002.	0.7	18
175	Response analysis of a nuclear containment structure with nonlinear soil-structure interaction under bi-directional ground motion. <i>International Journal of Advanced Structural Engineering</i> , 2015, 7, 211-221.	1.3	18
176	Exact distribution of spacing ratios for random and localized states in quantum chaotic systems. <i>Physical Review E</i> , 2018, 97, 062212.	0.8	18
177	Experimental and analytical evaluation of Incremental Sheet Hydro-Forming strategies to produce high forming angle sheets. <i>Heliyon</i> , 2019, 5, e01801.	1.4	18
178	Anomalous anticrossing of neutral exciton states in GaAs/AlGaAs quantum dots. <i>Physical Review B</i> , 2014, 89, .	1.1	17
179	P66Shc mediates increased platelet activation and aggregation in hypercholesterolemia. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 496-501.	1.0	17
180	Effect of political decentralization and female leadership on institutional births and child mortality in rural Bihar, India. <i>Social Science and Medicine</i> , 2017, 185, 171-178.	1.8	17

#	ARTICLE	IF	CITATIONS
181	All-optical bit magnitude comparator device using metal-insulator-metal plasmonic waveguide. <i>Optical Engineering</i> , 2017, 56, 121908.	0.5	17
182	Flow Softening Index for Assessment of Dynamic Recrystallization in an Austenitic Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 3531-3547.	1.2	17
183	Prevalence and socio-demographic correlates of alcohol consumption: Survey findings from five states in India. <i>Drug and Alcohol Dependence</i> , 2018, 185, 381-390.	1.6	17
184	Recursion scheme for the largest $\eta$ -Wishart-Laguerre eigenvalue and Landauer conductance in quantum transport. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 42LT02.	0.7	17
185	Peripheral benzodiazepine receptor ligand Ro5-4864 inhibits isoprenaline-induced cardiac hypertrophy in rats. <i>European Journal of Pharmacology</i> , 2010, 644, 146-153.	1.7	16
186	Direct Laser Writing of Nanoscale Light-Emitting Diodes. <i>Advanced Materials</i> , 2010, 22, 3176-3180.	11.1	16
187	Materialized View Selection Using Memetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2013, , 316-327.	1.0	16
188	An investigation of electron beam welding of Nb-1Zr-0.1C alloy: Process parameters and microstructural analysis. <i>Journal of Manufacturing Processes</i> , 2017, 28, 326-335.	2.8	16
189	Distribution of Off-Diagonal Cross Sections in Quantum Chaotic Scattering: Exact Results and Data Comparison. <i>Physical Review Letters</i> , 2017, 119, 244102.	2.9	16
190	Design of Full-Adder and Full-Subtractor Using Metal-Insulator-Metal Plasmonic Waveguides. <i>Plasmonics</i> , 2017, 12, 987-997.	1.8	16
191	Friction Stir Welding (FSW) of Aged CuCrZr Alloy Plates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 223-234.	1.1	16
192	Bures-Hall ensemble: spectral densities and average entropies. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 295203.	0.7	16
193	Distribution of the ratio of two consecutive level spacings in orthogonal to unitary crossover ensembles. <i>Physical Review E</i> , 2020, 101, 012216.	0.8	16
194	Design and modelling of all-optical NAND gate using metal-insulator-metal (MIM) waveguides-based Mach-Zehnder interferometers for high-speed information processing. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	16
195	Artificial Bee Colony Algorithm for Fresh Food Distribution without Quality Loss by Delivery Route Optimization. <i>Journal of Food Quality</i> , 2021, 2021, 1-9.	1.4	16
196	Crystallization and magnetic properties of $[(\text{Fe},\text{Co})_{0.75}\text{Si}_{0.05}\text{B}_{0.20}]_{94}\text{Nb}_6$ metallic glasses. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 085006.	1.3	15
197	Smallest eigenvalue density for regular or fixed-trace complex Wishart-Laguerre ensemble and entanglement in coupled kicked tops. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 345201.	0.7	15
198	All-Optical Half-Adder Circuit Based on Beam Interference Principle of Photonic Crystal. <i>Journal of Optical Communications</i> , 2017, 39, .	4.0	15

#	ARTICLE	IF	CITATIONS
199	A novel quantum-inspired evolutionary view selection algorithm. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	0.8	15
200	SUMO2 regulates vascular endothelial function and oxidative stress in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H1292-H1300.	1.5	15
201	Design of One-Bit Magnitude Comparator using Photonic Crystals. <i>Journal of Optical Communications</i> , 2019, 40, 363-367.	4.0	15
202	Solid polymer electrolytes from double-comb Poly(methylhydrosiloxane) based on quaternary ammonium moiety-containing crosslinking system for Li/S battery. <i>Journal of Power Sources</i> , 2020, 450, 227690.	4.0	15
203	Diode-pumped continuous-wave dual-wavelength and Q-switched Yb:LuYAG lasers. <i>Optics Communications</i> , 2021, 478, 126356.	1.0	15
204	Nimbolide induces cell death in T lymphoma cells: Implication of altered apoptosis and glucose metabolism. <i>Environmental Toxicology</i> , 2021, 36, 628-641.	2.1	15
205	Single-pixel pattern recognition with coherent nonlinear optics. <i>Optics Letters</i> , 2020, 45, 6771.	1.7	15
206	MOSFET-Based Memristor for High-Frequency Signal Processing. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 2248-2255.	1.6	15
207	Universal spectral correlations in orthogonal-unitary and symplectic-unitary crossover ensembles of random matrices. <i>Physical Review E</i> , 2009, 79, 026211.	0.8	14
208	Conductance distributions in chaotic mesoscopic cavities. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 285101.	0.7	14
209	Unlocking G-quadruplex: Effect of unlocked nucleic acid on G-quadruplex stability. <i>Biochimie</i> , 2011, 93, 1694-1700.	1.3	14
210	Implementation of an optical AND gate using Mach-Zehnder interferometers. <i>Proceedings of SPIE</i> , 2014, , .	0.8	14
211	Exact evaluations of some Meijer G-functions and probability of all eigenvalues real for the product of two Gaussian matrices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 445206.	0.7	14
212	Finite element modeling for structural strength of quadcopter type multi mode vehicle. <i>Aerospace Science and Technology</i> , 2016, 53, 252-266.	2.5	14
213	Abnormal CD161 + immune cells and retinoic acid receptor-related orphan receptor $\gamma$ mediate enhanced IL-17F expression in the setting of genetic hypertension. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 809-821.e3.	1.5	14
214	Association of lncRNA with regulatory molecular factors in brain and their role in the pathophysiology of schizophrenia. <i>Metabolic Brain Disease</i> , 2021, 36, 849-858.	1.4	14
215	Fabrication techniques and stability analysis of SMF-/MMF-based differently tapered optical fiber structures. <i>Applied Optics</i> , 2021, 60, 2077.	0.9	14
216	Enhanced Electronic and Magnetic Properties of N <sub>2</sub> O Gas Adsorbed Mn-Doped MoSe <sub>2</sub> Monolayer. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 1634-1641.	1.6	14

#	ARTICLE	IF	CITATIONS
217	Recent Advances in K-SPR Sensors for the Detection of Biomolecules and Microorganisms: A Review. IEEE Sensors Journal, 2022, 22, 11415-11426.	2.4	14
218	Jacobi crossover ensembles of random matrices and statistics of transmission eigenvalues. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 085001.	0.7	13
219	Proposed new approach to design all optical AND gate using plasmonic based Mach-Zehnder interferometer for high speed communication. , 2016, , .		13
220	Relativistic nature of carriers: Origin of electron-hole conduction asymmetry in monolayer graphene. Physical Review B, 2017, 96, .	1.1	13
221	A Novel Approximation for K Distribution: Closed-Form BER Using DPSK Modulation in Free-Space Optical Communication. IEEE Photonics Journal, 2017, 9, 1-14.	1.0	13
222	Design of an Optical OR Gate using Mach-Zehnder Interferometers. Journal of Optical Communications, 2018, 39, 161-165.	4.0	13
223	Recursion for the Smallest Eigenvalue Density of $\beta$ -Wishart-Laguerre Ensemble. Journal of Statistical Physics, 2019, 175, 126-149.	0.5	13
224	Comparative study of hot corrosion behavior of thermal sprayed alumina and titanium oxide reinforced alumina coatings on boiler steel. Materials Research Express, 2020, 7, 026527.	0.8	13
225	Protein-driven biomineralization: Comparing silica formation in grass silica cells to other biomineralization processes. Journal of Structural Biology, 2021, 213, 107665.	1.3	13
226	Clinical and radiographic evaluation of demineralized freeze-dried bone allograft with concentrated growth factor versus concentrated growth factor alone in the treatment of intrabony defects. Medicine and Pharmacy Reports, 2021, 94, 220-228.	0.2	13
227	Current utilization patterns for long-acting insulin analogues including biosimilars among selected Asian countries and the implications for the future. Current Medical Research and Opinion, 2021, 37, 1529-1545.	0.9	13
228	Study of socio-demographic profile, phenomenology, course and outcome of bipolar disorder in Indian population. International Journal of Health & Allied Sciences, 2013, 2, 260.	0.0	13
229	Impact of Bandwidth on Range Resolution of Multiple Targets Using Photonic Radar. IEEE Access, 2022, 10, 47618-47627.	2.6	13
230	A generative process planning system for cold extrusion. International Journal of Production Research, 2003, 41, 269-295.	4.9	12
231	Random matrix ensembles involving Gaussian Wigner and Wishart matrices, and biorthogonal structure. Physical Review E, 2015, 92, 032903.	0.8	12
232	On the Exact and Approximate Eigenvalue Distribution for Sum of Wishart Matrices. IEEE Transactions on Vehicular Technology, 2017, 66, 10537-10541.	3.9	12
233	Implementation of reversible Peres gate using electro-optic effect inside lithium-niobate based Mach-Zehnder interferometers. Optics and Laser Technology, 2019, 117, 28-37.	2.2	12
234	Improving Child Health and Cognition: Evidence from a School-Based Nutrition Intervention in India. Review of Economics and Statistics, 2021, 103, 818-834.	2.3	12

#	ARTICLE	IF	CITATIONS
235	Implementation of highly optimized optical all logic gates on a single chip using Ti-diffused lithium-niobate for high-speed processing in combinational circuits. <i>Microelectronics Journal</i> , 2021, 111, 105048.	1.1	12
236	The Effect of N-acetylation and N-methylation of Lysine Residue of Tat Peptide on its Interaction with HIV-1 TAR RNA. <i>PLoS ONE</i> , 2013, 8, e77595.	1.1	12
237	Design and characteristic analysis of an all-optical AND, XOR, and XNOR Y-shaped MIM waveguide for high-speed information processing. <i>Applied Optics</i> , 2022, 61, 1212.	0.9	12
238	2-D Nanomaterials Assisted LSPR MPM Optical Fiber Sensor Probe for Cardiac Troponin I Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-9.	2.4	12
239	Effect of different arginine methylations on the thermodynamics of Tat peptide binding to HIV-1 TAR RNA. <i>Biochimie</i> , 2013, 95, 1422-1431.	1.3	11
240	Human Telomeric RNA G-Quadruplex Response to Point Mutation in the G-Quartets. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4617-4627.	1.2	11
241	Modeling of all-optical even and odd parity generator circuits using metal-insulator-metal plasmonic waveguides. <i>Photonic Sensors</i> , 2017, 7, 182-192.	2.5	11
242	Design of pseudorandom binary sequence generator using lithium-niobate-based Mach-Zehnder interferometers. <i>Optical Engineering</i> , 2017, 56, 057104.	0.5	11
243	Robust and efficient single-pixel image classification with nonlinear optics. <i>Optics Letters</i> , 2021, 46, 1848.	1.7	11
244	Dual-wavelength controllable Q-switched Nd:GSAG laser with molybdenum disulfide saturable absorber. <i>Infrared Physics and Technology</i> , 2022, 120, 103970.	1.3	11
245	Performance analysis of an SMF/MMF-based single/double/quadruple tapered optical fiber structure. <i>Applied Optics</i> , 2022, 61, 2140.	0.9	11
246	Terabyte capacity-enabled (10 x 400 Gbps) Is-OWC system for long-haul communication by incorporating dual polarization quadrature phase shift key and mode division multiplexing scheme. <i>PLoS ONE</i> , 2022, 17, e0265044.	1.1	11
247	Tunneling characteristics and resistivity behavior of La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> grain boundaries. <i>Physical Review B</i> , 2006, 73, .	1.1	10
248	The structure of Rv2372c identifies an RsmE-like methyltransferase from <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 821-832.	2.5	10
249	Implementation of an optical universal one-bit arithmetic logical circuit for high-speed processing combinational circuits. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	10
250	GeO <sub>2</sub> Doped Optical Fiber Plasmonic Sensor for Refractive Index Detection. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	10
251	Phase transition impact on electronic and optical properties of Fe-doped MoSe <sub>2</sub> monolayer via N <sub>2</sub> O adsorption. <i>Superlattices and Microstructures</i> , 2021, 160, 107083.	1.4	10
252	Dual-wavelength mode-locked laser based on optimization of erbium-doped fiber length. <i>Optik</i> , 2022, 251, 168370.	1.4	10

#	ARTICLE	IF	CITATIONS
253	Selective Colorimetric Detection of Cancer Cells Based on Iron/Copper Nanocatalyst Peroxidase Activity. <i>IEEE Sensors Journal</i> , 2022, 22, 10492-10499.	2.4	10
254	Enhanced all-optical Y-shaped plasmonic OR, NOR and NAND gate models, analyses, and simulation for high speed computations. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	10
255	Stopped-Flow Kinetic Studies of Poly(amidoamine) Dendrimer-Calf Thymus DNA To Form Dendriplexes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13767-13774.	1.2	9
256	Morphological Effects of G-Quadruplex Stabilization Using a Small Molecule in Zebrafish. <i>Biochemistry</i> , 2014, 53, 1117-1124.	1.2	9
257	Design of 4 to 2 line encoder using lithium niobate based Mach Zehnder Interferometers for high speed communication. , 2016, , .		9
258	Collective state synthesis in an optical cavity using Rydberg atom dipole blockade. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 064014.	0.6	9
259	Corrosion Characteristics of Ni-Based Hardfacing Alloy Deposited on Stainless Steel Substrate by Laser Cladding. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 2915-2926.	1.1	9
260	PHYTOCHROME INTERACTING FACTOR1 interactions leading to the completion or prolongation of seed germination. <i>Plant Signaling and Behavior</i> , 2018, 13, e1525999.	1.2	9
261	Quantum Airy photons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 175501.	0.6	9
262	Super-resolution optical classifier with high photon efficiency. <i>Optics Letters</i> , 2020, 45, 4968.	1.7	9
263	Feature-based design of extrusion process using upper-bound and finite element techniques for extrudable shapes. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1365-1372.	3.1	8
264	Specificity of RSG-1.2 Peptide Binding to RRE-IIB RNA Element of HIV-1 over Rev Peptide Is Mainly Enthalpic in Origin. <i>PLoS ONE</i> , 2011, 6, e23300.	1.1	8
265	An efficient approach for privacy preserving in data mining. , 2014, , .		8
266	Design of reversible multiplexer using electro-optic effect inside lithium niobate-based Mach-Zehnder interferometers. <i>Optical Engineering</i> , 2016, 55, 115101.	0.5	8
267	Bit Error Probability for MMSE Receiver in GFDM Systems. <i>IEEE Communications Letters</i> , 2018, 22, 942-945.	2.5	8
268	Assessing Constitutive Models for Prediction of High-Temperature Flow Behavior with a Perspective of Alloy Development. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 2024-2037.	1.2	8
269	Prenatal care and birthweight in Mexico. <i>Applied Economics</i> , 2018, 50, 1156-1170.	1.2	8
270	Torque magnetometry study of the spin reorientation transition and temperature-dependent magnetocrystalline anisotropy in NdCo <sub>5</sub> . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 255802.	0.7	8



#	ARTICLE	IF	CITATIONS
271	Optimization, fabrication, and performance analysis of SMF-/MMF-based microfiber ball structure. <i>Applied Optics</i> , 2021, 60, 1196.	0.9	8
272	Applications of graphene-based sensors for biomedical industries. <i>Comprehensive Analytical Chemistry</i> , 2020, 91, 201-233.	0.7	8
273	The Effect of Socio-Demographic Factors in Health-Seeking Behaviors among Bangladeshi Residents during the First Wave of COVID-19. <i>Healthcare (Switzerland)</i> , 2022, 10, 483.	1.0	8
274	Circular RNA: A novel and potential regulator in pathophysiology of schizophrenia. <i>Metabolic Brain Disease</i> , 2022, , 1.	1.4	8
275	Nano-sized light emitting diodes by near field laser exposure. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	7
276	Effect of Specific Energy Input on Microstructure and Mechanical Properties of Nickel-Base Intermetallic Alloy Deposited by Laser Cladding. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 4688-4702.	1.1	7
277	Quantum processing by adiabatic transfer through a manifold of dark states. <i>Physical Review A</i> , 2012, 85, .	1.0	7
278	Polarization-dependent manipulation of optical properties in a tripod system. <i>Physical Review A</i> , 2013, 88, .	1.0	7
279	Thermodynamics and solvation dynamics of BIV TAR RNAâ€™Tat peptide interaction. <i>Molecular BioSystems</i> , 2013, 9, 88-98.	2.9	7
280	Dual role of an ac driving force and the underlying two distinct orderâ€™disorder transitions in the vortex phase diagram of Ca 3 Ir 4 Sn 13. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 506, 69-75.	0.6	7
281	Dispersion characteristics of complex refractive-index planar slab optical waveguide by using finite element method. <i>Optik</i> , 2014, 125, 5929-5935.	1.4	7
282	Analysis of evanescent field of TE and TM mode in the grounded slab metamaterial waveguide structure. <i>Optik</i> , 2015, 126, 3706-3712.	1.4	7
283	High speed optical 4-bit twisted ring counter using electro-optic effect of Mach-Zehnder interferometer. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	7
284	Design of optical seven-segment decoder using Pockelâ€™s effect inside lithium niobate-based waveguide. <i>Optical Engineering</i> , 2017, 56, 017103.	0.5	7
285	Optimization of Process Parameters in Continuous Extrusion of Aluminium Alloy. , 2018, , .		7
286	Assessment of mechanical properties and flammability of magnesium oxide/PA12 composite material for SLS process. <i>Rapid Prototyping Journal</i> , 2019, 25, 176-186.	1.6	7
287	Design of Optical SR Latch and Flip-Flop Using Electro-Optic Effect Inside Lithiumâ€™Niobate-Based Machâ€™Zehnder Interferometers. <i>Journal of Optical Communications</i> , 2019, 40, 119-134.	4.0	7
288	Crosslinked poly(allyl glycidyl ether) with pendant nitrile groups as solid polymer electrolytes for Liâ€™S batteries. <i>Electrochimica Acta</i> , 2020, 362, 137141.	2.6	7

#	ARTICLE	IF	CITATIONS
289	Wishart and random density matrices: Analytical results for the mean-square Hilbert-Schmidt distance. <i>Physical Review A</i> , 2020, 102, .	1.0	7
290	The Validity of MotionSense HRV in Estimating Sedentary Behavior and Physical Activity under Free-Living and Simulated Activity Settings. <i>Sensors</i> , 2021, 21, 1411.	2.1	7
291	A Scalable System for Passively Monitoring Oral Health Behaviors Using Electronic Toothbrushes in the Home Setting: Development and Feasibility Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e17347.	1.8	7
292	Recent advancements in plasmonic optical biosensors: a review. <i>ISSS Journal of Micro and Smart Systems</i> , 2022, 11, 31-42.	1.0	7
293	Impact of Mn- and Fe-Doping on Electronic and Magnetic Properties of $\text{MoX}_{\text{S, Se}}$ Monolayer. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 1553-1560.	1.6	7
294	Current management of children with COVID-19 in hospitals in India; Pilot study and findings. <i>Advances in Human Biology</i> , 2022, 12, 16.	0.1	7
295	Investigation of Sensing Properties of $\text{NO}_x$ Adsorbed Gas Molecules on Fe-Doped $\text{MoSe}_2$ Monolayer. <i>IEEE Sensors Journal</i> , 2022, 22, 11665-11672.	2.4	7
296	Analysis of Cold Extrusion of Non Re-entry Product Shapes. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2002, 124, 71-78.	1.3	6
297	Propagation Study of Y-Junction Optical Splitter Using BPM. , 2012, , .		6
298	Atom-based RF electric field measurements: An initial investigation of the measurement uncertainties. , 2015, , .		6
299	The Correlated Jacobi and the Correlated Cauchy-Lorentz Ensembles. <i>Journal of Statistical Physics</i> , 2016, 162, 495-521.	0.5	6
300	Modeling of all-optical 3x8 line decoder using optical Kerr effect in plasmonic metal-insulator-metal waveguides. <i>Proceedings of SPIE</i> , 2017, , .	0.8	6
301	The Probability That All Eigenvalues are Real for Products of Truncated Real Orthogonal Random Matrices. <i>Journal of Theoretical Probability</i> , 2018, 31, 2056-2071.	0.4	6
302	Electronic transport in chaotic mesoscopic cavities: A Kwant and random matrix theory based exploration. <i>Chaos</i> , 2020, 30, 123120.	1.0	6
303	Intranasal Immunization with Peptide-based Immunogenic Complex Enhances BCG Vaccine Efficacy in murine model of Tuberculosis. <i>JCI Insight</i> , 2021, 6, .	2.3	6
304	Efficient reservoir computing using field programmable gate array and electro-optic modulation. <i>OSA Continuum</i> , 2021, 4, 1086.	1.8	6
305	Generation of Bures-Hall mixed states using coupled kicked tops. <i>Physical Review A</i> , 2021, 103, .	1.0	6
306	Anemia, diet, and cognitive development: Impact of health information on diet quality and child nutrition in rural India. <i>Journal of Economic Behavior and Organization</i> , 2021, 190, 495-523.	1.0	6

#	ARTICLE	IF	CITATIONS
307	Peptides from diatoms and grasses harness phosphate ion binding to silica to help regulate biomaterial structure. <i>Acta Biomaterialia</i> , 2020, 112, 286-297.	4.1	6
308	Racial differences in suicidal ideation among school going adolescents. <i>Industrial Psychiatry</i> , 2013, 22, 118.	0.3	6
309	Gold/zinc oxide nanoparticles functionalized tapered SMF-MMF-SMF-based sensor probe for uric acid detection. , 2021, , .		6
310	Medicolite-Machine Learning-Based Patient Care Model. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-12.	1.1	6
311	Efficient optical reservoir computing for parallel data processing. <i>Optics Letters</i> , 2022, 47, 3784.	1.7	6
312	Magneto-transport properties of nano-crystalline and poly-crystalline La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 313, 115-121.	1.0	5
313	Solidification and microstructural aspects of laser-deposited Ni-Mo-Cr-Si alloy on stainless steel. <i>Pramana - Journal of Physics</i> , 2010, 75, 1259-1266.	0.9	5
314	Random matrix ensembles: Wang-Landau algorithm for spectral densities. <i>Europhysics Letters</i> , 2013, 101, 20002.	0.7	5
315	Phase-Dependent Tensile Properties of 9Cr-1Mo(V, Nb) Ferritic/Martensitic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 531-536.	1.1	5
316	Unveiling of Bragg glass to vortex glass transition by an ac driving force in a single crystal of Yb <sub>3</sub> Rh <sub>4</sub> Sn <sub>13</sub> . <i>Superconductor Science and Technology</i> , 2015, 28, 085013.	1.8	5
317	Optical 1â€™s and 2â€™s complement devices using lithium-niobate-based waveguide. <i>Optical Engineering</i> , 2016, 55, 125104.	0.5	5
318	Design of programmable logic device based on electro-optic effect of lithium-niobate-based Machâ€™Zehnder interferometers. <i>Photonic Network Communications</i> , 2017, 33, 356-370.	1.4	5
319	Synthesis, characterization and antibacterial activity evaluation of trinuclear Ni(II) complexes with N-substituted salicylhydrazide ligands. <i>Polyhedron</i> , 2017, 126, 100-110.	1.0	5
320	On the Exact Distribution of Mutual Information of Two-User MIMO MAC Based on Quotient Distribution of Wishart Matrices. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017, 2017, .	1.5	5
321	Analysis of Elevated Temperature Flow Behavior of 316LN Stainless Steel Under Compressive Loading. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 1857-1867.	0.7	5
322	Binary to Octal and Octal to Binary Code Converter Using Machâ€™Zehnder Interferometer for High Speed Communication. <i>Journal of Optical Communications</i> , 2017, 38, 117-127.	4.0	5
323	Effects of health insurance on birth weight in Mexico. <i>Health Economics (United Kingdom)</i> , 2018, 27, 1149-1159.	0.8	5
324	Guiding light via slippery liquid-infused porous surfaces. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	5

#	ARTICLE	IF	CITATIONS
325	A Common Fixed Point Theorem for Generalised $F$ -Kannan Mapping in Metric Space with Applications. Abstract and Applied Analysis, 2021, 2021, 1-12.	0.3	5
326	Fixed Points and Continuity for a Pair of Contractive Maps with Application to Nonlinear Volterra Integral Equations. Journal of Function Spaces, 2021, 2021, 1-13.	0.4	5
327	Error detecting code for long haul network. , 2018, , .		5
328	Spectral crossovers and universality in quantum spin chains coupled to random fields. Physical Review B, 2022, 105, .	1.1	5
329	Targeting Specific Checkpoints in the Management of SARS-CoV-2 Induced Cytokine Storm. Life, 2022, 12, 478.	1.1	5
330	On Nonunique Fixed Point Theorems via Interpolative Chatterjea Type Suzuki Contraction in Quasi-Partial b-Metric Space. Journal of Mathematics, 2022, 2022, 1-10.	0.5	5
331	A pilot study regarding the consequences of the COVID-19 pandemic on healthcare education in India and the implications. Advances in Human Biology, 2022, 12, 180.	0.1	5
332	A Generative CAPP System for Tube Hydro Forming. Journal of the Institution of Engineers (India): Series C, 2012, 93, 1-25.	0.7	4
333	Evidence of surface superconductivity and multi-quanta vortex states in a weakly-pinned single crystal of Ca <sub>3</sub> Ir <sub>4</sub> Sn <sub>13</sub> . Physica C: Superconductivity and Its Applications, 2015, 509, 42-48.	0.6	4
334	Design of photonics crystal fiber sensors for bio-medical applications. , 2015, , .		4
335	Design of Optical Boolean Function Generator Using Lithium Niobate-Based Mach-Zehnder Interferometer for WDM Applications. Journal of Optical Communications, 2017, 38, 133-140.	4.0	4
336	Plastic deformation of SS 316LN:Thermo-mechanical and microstructural aspects. Procedia Engineering, 2017, 207, 1785-1790.	1.2	4
337	A Targeted Functional Value Based Nanoclay/PA12 Composite Material Development for Selective Laser Sintering Process. Procedia Manufacturing, 2018, 21, 630-637.	1.9	4
338	Field-induced canting of magnetic moments in GdCo <sub>5</sub> at finite temperature: first-principles calculations and high-field measurements. Journal of Physics Condensed Matter, 2018, 30, 32LT01.	0.7	4
339	Modeling for Design Optimization of Piston Crown Geometry Through Structural Strength and Lubrication Performance Correlation Analysis. Frontiers in Mechanical Engineering, 2019, 5, .	0.8	4
340	Design of Optical Reversible Hybrid Adder-Subtractor Device Using Mach-Zehnder Interferometers for WDM Applications. Journal of Optical Communications, 2019, .	4.0	4
341	Norcantharidin combined with 2-deoxy-d-glucose suppresses the hepatocellular carcinoma cells proliferation and migration. 3 Biotech, 2021, 11, 142.	1.1	4
342	Sirtuin1 in vascular endothelial function, an overview. Epigenetics, 2022, 17, 953-969.	1.3	4

#	ARTICLE	IF	CITATIONS
343	Spectral statistics for the difference of two Wishart matrices. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 505202.	0.7	4
344	Estimation of Silica Cell Silicification Level in Grass Leaves Using in situ Charring Method. Bio-protocol, 2017, 7, e2607.	0.2	4
345	Analytical modeling and impact analysis on multichannel symmetric optical and wireless NG-PON2 networks of CD, SPM, XPM and FWM impairments. Optik, 2022, 252, 168573.	1.4	4
346	Optimization of Parameters of Adders and Barrel Shifter Based on Emerging QCA Technology. Radioelectronics and Communications Systems, 2021, 64, 535-547.	0.3	4
347	Diabetes Mellitus: A Path to Amnesia, Personality, and Behavior Change. Biology, 2022, 11, 382.	1.3	4
348	Indazole and its derivatives in cardiovascular diseases: Overview, current scenario and future perspectives. Current Topics in Medicinal Chemistry, 2021, 21, .	1.0	4
349	On Some $\langle \mathit{w} \rangle$ Interpolative Contractions of Suzuki-Type Mappings in Quasi-Partial b-Metric Space. Journal of Function Spaces, 2022, 2022, 1-12.	0.4	4
350	A novel structure of all-optical optimised NAND, NOR and XNOR logic gates employing a Y-shaped plasmonic waveguide for better performance and high-speed computations. Optical and Quantum Electronics, 2022, 54, .	1.5	4
351	Correlation between extrinsic magnetoresistance and electroresistance in La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films as revealed from current-voltage and ferromagnetic resonance studies. Solid State Communications, 2006, 138, 430-435.	0.9	3
352	Development of an innovative e-content generation process. , 2010, , .		3
353	Gesture recognition using Laser Sensor Enhanced with different parameters. , 2014, , .		3
354	Optimization of garbage collector tracking and monitoring system analysis. CSI Transactions on ICT, 2016, 4, 187-192.	0.7	3
355	Hot Deformation and Microstructural Characteristics of Nitrogen Enhanced 316L Stainless Steel. Key Engineering Materials, 0, 716, 317-322.	0.4	3
356	Angular dependent study of spatial order-disorder transitions in the vortex matter of superconducting Yb <sub>3</sub> Rh <sub>4</sub> Sn <sub>13</sub> . AIP Conference Proceedings, 2016, , .	0.3	3
357	Optical J-K flip-flop using switching property of Mach-Zehnder interferometers. Proceedings of SPIE, 2017, , .	0.8	3
358	Design of an optical 4-bit binary to BCD converter using electro-optic effect of lithium niobate based Mach-Zehnder interferometers. Optics Communications, 2017, 395, 221-230.	1.0	3
359	Mathematical modelling to predict mechanical properties of Copper (C101) feedstock in continuous extrusion. IOP Conference Series: Materials Science and Engineering, 2018, 404, 012052.	0.3	3
360	All-Optical Switching Device Using Plasmonic Mach-Zehnder Interferometer Structure. Journal of Optical Communications, 2022, 43, 191-197.	4.0	3

#	ARTICLE	IF	CITATIONS
361	Heterogeneity in the effect of mid-childhood height and weight gain on human capital at age 14-15 years: Evidence from Ethiopia, India, Peru, and Vietnam. PLoS ONE, 2019, 14, e0212783.	1.1	3
362	Biotechnological production of high-valued algal astaxanthin and lutein under different growth conditions. , 2020, , 191-220.		3
363	Protein Precipitation to Remove Carbohydrates that Interfere in Protein-Bound Tryptophan Quantification in Soybean Seeds. Journal of Analysis and Testing, 2020, 4, 238-247.	2.5	3
364	Optimizing Websites for Online Customers. , 2016, , 11-22.		3
365	Structural and magnetic properties of $\text{GdCo}_5$ . Physical Review Materials, 2019, 3, .		5
366	Seven-channel 1ÅGbps TWDM coexistence architecture supporting 65ÅGbps optical link for next-generation passive optical network 2Å-based FTTX access networks. Journal of Optical Communications, 2024, 44, s923-s936.	4.0	3
367	Tapered MMF/AuNPs/MoS2-NPs based sensor for p-cresol detection. , 2021, , .		3
368	Symptom resolution in acute mania with co-morbid cannabis dependence. Saudi Journal for Health Sciences, 2014, 3, 147.	0.1	3
369	Evaluation of the efficacy of triphala mouth rinse as coadjuvant in the treatment of chronic generalized periodontitis: a randomized clinical trial. Mouth and Teeth, 2017, 1, .	0.1	3
370	Detection of damage in Oil and Gas Pipelines using FBG Sensor. , 2017, , .		3
371	Differential recurrences for the distribution of the trace of the $\text{Jacobi}$ ensemble. Physica D: Nonlinear Phenomena, 2022, 434, 133220.	1.3	3
372	Recent Advances in Design and Fabrication of Wear Resistant Materials and Coatings. Advances in Chemical and Materials Engineering Book Series, 2022, , 87-117.	0.2	3
373	Common Fixed Point Theorems for $F$ -Kannan's Suzuki Type Mappings in TVS-Valued Cone Metric Space with Some Applications. Journal of Mathematics, 2022, 2022, 1-17.	0.5	3
374	Design and analysis of miniaturized all-optical binary to gray code converter using Y-shaped plasmonic waveguide for optical processors. Photonic Network Communications, 2022, 44, 21-29.	1.4	3
375	Method for Enhanced Separation of Cardiac Myosin Heavy Chain Isoforms by Nongradient SDS-PAGE. Analytical Letters, 2009, 42, 2403-2410.	1.0	2
376	Analysis of step discontinuities in rectangular MMI coupler by beam propagation method. , 2012, , .		2
377	Analysis of effect of single and multiple micro-ring resonators as an optical filter using the Mason's gain formula. Proceedings of SPIE, 2014, , .	0.8	2
378	Reversible ripple carry adder using the electro-optic effect of lithium-niobate based Mach-Zehnder interferometer. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
379	Four bit priority encoder using lithium niobate based Mach-Zehnder interferometers. , 2015, , .		2
380	Paramagnetic magnetization signals and curious metastable behaviour in field-cooled magnetization of a single crystal of superconductor 2H-NbSe <sub>2</sub> . Journal of Physics Condensed Matter, 2015, 27, 295701.	0.7	2
381	Design of reversible sequential circuits using electro-optic effect of lithium-niobate-based Mach-Zehnder interferometers. Optical Engineering, 2016, 55, 125105.	0.5	2
382	On the Ergodic Capacity of Distributed MIMO Antenna Systems. Wireless Personal Communications, 2017, 92, 381-397.	1.8	2
383	Ultrafast optical reversible double Feynman logic gate using electro-optic effect in lithium-niobate based Mach Zehnder interferometers. , 2017, , .		2
384	Approximate Sum Rate for Integer-Forcing Receiver. IEEE Transactions on Communications, 2017, 65, 4899-4910.	4.9	2
385	Recovery and utilization of bioactives from food processing waste. , 2020, , 37-68.		2
386	Tunability of the spin reorientation transitions with pressure in NdCo <sub>5</sub> . Applied Physics Letters, 2020, 116, 102408.	1.5	2
387	Smoking Cessation Using Wearable Sensors: Protocol for a Microrandomized Trial. JMIR Research Protocols, 2021, 10, e22877.	0.5	2
388	An Implicit Relation Approach in Metric Spaces under $w$ -Distance and Application to Fractional Differential Equation. Journal of Function Spaces, 2021, 2021, 1-12.	0.4	2
389	Spatiotemporal mode-selective quantum frequency converter. Physical Review A, 2021, 104, .	1.0	2
390	Random density matrices: Analytical results for mean root fidelity and the mean-square Bures distance. Physical Review A, 2021, 104, .	1.0	2
391	Computable structural formulas for the distribution of the $\eta$ -Jacobi edge eigenvalues. Ramanujan Journal, 0, , 1.	0.4	2
392	Fiber Bragg Grating based Temperature Sensor for Biomedical applications. , 2017, , .		2
393	Reversible full-adder using lithium-niobate based Peres gate. , 2016, , .		2
394	SMF tapered fiber/AuNPs/ZnO based sensor for detection of acetylcholine. , 2021, , .		2
395	Design and analysis of FBG based sensor for detection of damage in oil and gas pipelines for safety of marine life. , 2018, , .		2
396	Expression of apelin among the individuals of chronic periodontitis, with and without type ii diabetes mellitus: A study using enzyme-linked immunosorbent assay. Advances in Human Biology, 2020, 10, 182.	0.1	2

#	ARTICLE	IF	CITATIONS
397	Image Watermarking Scheme Using Cuckoo Search Algorithm. Lecture Notes in Networks and Systems, 2020, , 667-675.	0.5	2
398	A Performance Improvement Model for Cloud Computing Using Simulated Annealing Algorithm. International Journal of Software Innovation, 2022, 10, 1-17.	0.3	2
399	Estimating Fixed Points via New Iterative Scheme with an Application. Journal of Function Spaces, 2022, 2022, 1-11.	0.4	2
400	Investigation of electronic stabilities and properties of Mn-doped Janus WSSe monolayer. Computational Condensed Matter, 2022, 31, e00677.	0.9	2
401	Fixed point results for interpolative $\psi$ -Hardy-Rogers type contraction mappings in quasi-partial b-metric space with an applications. Journal of Analysis, 0, , .	0.3	2
402	Derivation of dispersion equation by using the equivalent transmission line method for the case of planar slab optical waveguide structure. , 2012, , .		1
403	Design and Analysis of Finite/Infinite Impulse Response Optical Filter for Signal Processing. , 2012, , .		1
404	1 &#x00D7; 8 signal router using cascading the Mach-Zehnder interferometers. , 2013, , .		1
405	Analysis of various optical filtering techniques. , 2013, , .		1
406	Elucidation of peak effect phenomenon in a single crystal of superconducting Ca3Ir4Sn13. AIP Conference Proceedings, 2015, , .	0.3	1
407	Microstructure Mapping: An Approach to Quantitative Interpretation of Microstructural Evolution in Indian Fast Reactor Advanced Clad Material during Hot Forging. Materials Science Forum, 2015, 830-831, 350-353.	0.3	1
408	A controllable single photon beam-splitter as a node of a quantum network. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 065502.	0.6	1
409	Design of liquid temperature sensor based on bending loss phenomenon of plastic optic fiber and electro-optic effect of Mach-Zehnder interferometer. Proceedings of SPIE, 2016, , .	0.8	1
410	Design of Excess 3 to BCD code converter using electro-optic effect of Mach-Zehnder Interferometers for efficient data transmission. Proceedings of SPIE, 2016, , .	0.8	1
411	Implementation of 3-bit binary to Excess-3 code converter using Mach-Zehnder interferometer. , 2017, , .		1
412	Design of signal router employing optical switching in MIM plasmonic waveguides. , 2017, , .		1
413	Fabrication feasibility studies for first wall of Indian LLCB TBM. Fusion Engineering and Design, 2018, 136, 771-776.	1.0	1
414	Asymptotic Eigenvalue Density for the Quotient Ensemble of Wishart Matrices. IEEE Communications Letters, 2018, 22, 2575-2578.	2.5	1



#	ARTICLE	IF	CITATIONS
415	Comments on "Cutset Bounds on the Capacity of MIMO Relay Channels". IEEE Access, 2018, 6, 35129-35131. 2.6		1
416	Web Documents Prioritization Using Iterative Improvement. Communications in Computer and Information Science, 2018, , 459-473.	0.4	1
417	Integrated Experimental-Modelling Strategy to Understand Dislocation "Defect Interactions During Hot Working of Face-Centred Cubic Alloys. Jom, 2019, 71, 2705-2710.	0.9	1
418	Somewhere Dense Orbit that is not Dense on a Complex Hilbert Space. Concrete Operators, 2019, 6, 58-63.	0.1	1
419	Exact distributions for bit error rate and channel capacity in free-space optical communication. IET Communications, 2019, 13, 2966-2972.	1.5	1
420	Common fixed points of non-self mappings satisfying implicit relations in partial metric spaces. Journal of Analysis, 2020, 28, 363-375.	0.3	1
421	Micro-Ring Resonator-Based Sensors for Detection of Different Chemicals. Journal of Optical Communications, 2024, 45, 19-25.	4.0	1
422	Designing digital circuits using 3D nanomagnetic logic architectures. Journal of Computational Electronics, 2021, 20, 1310-1325.	1.3	1
423	Design of all-optical OR/NAND logic gate using plasmonic metal-insulator-metal waveguide. , 2021, , .		1
424	Anxiety Disorders: Recent Global Approach to Neuro-pathogenesis, Drug Treatment, Cognitive Behavioral Therapy, and Their Implications. Bangladesh Journal of Medical Science, 2021, 20, 487-503.	0.1	1
425	Optical MIMO communication with unequal power allocation to channels. Optik, 2021, 244, 167533.	1.4	1
426	Modern Plant Metabolomics for the Discovery and Characterization of Natural Products and Their Biosynthetic Genes. , 2020, , 156-188.		1
427	SPR based hybrid plasmonic waveguide sensor for detection of causes of anemia in Homosapiens. , 2018, , .		1
428	Investigation of hydrogen sulfide gas using Pd/Pt material based fiber Bragg grating sensor. , 2018, , .		1
429	Detection of poisonous gases using single-slot microring resonator based sensor. , 2018, , .		1
430	Towards picoliter microsensing in index and temperature using hundreds-micron-scale fiber Michelson interferometers. , 2017, , .		1
431	Diethyl Ether Sensor using Double Nanoslot Hybrid Plasmonic Waveguide. , 2017, , .		1
432	Professional negligence during nitrous oxide sedation and child fatality in dental office and suggested precautions: A short communication on childcare and nitrous oxide sedation. Advances in Human Biology, 2020, 10, 3.	0.1	1

#	ARTICLE	IF	CITATIONS
433	Analysis of Double Slot Hybrid Plasmonic Ring Resonator with different dielectric materials in Nanoslots. , 2017, , .		1
434	Design of Switch gate using Mach-Zehnder interferometer for quantum communications. , 2018, , .		1
435	Design of microring resonator sensor for liquid chemical sensing applications. , 2018, , .		1
436	Common fixed points for four non-self mappings in partial metric spaces. , 2020, 145, 45-63.		1
437	Investigation on Grain Boundary Character Distribution During Dynamic Recrystallization of Austenitic Stainless Steel During Hot Deformation. Materials Performance and Characterization, 2019, 8, 796-807.	0.2	1
438	Assessment of Depression in Patients of Type-2 Diabetes Mellitus Attending a Tertiary Care Centre. International Journal of Contemporary Medical Research [IJCMR], 2019, 6, .	0.1	1
439	Neuropsychological dysfunctions among chronic schizophrenia patients, alcohol dependence cases, and normal subjects: A comparative study. Industrial Psychiatry, 2020, 29, 105.	0.3	1
440	Efficacy of preemptive oral doses of acetaminophen and celecoxib for post-operative pain management after open-flap debridement: A randomised controlled study. Advances in Human Biology, 2020, 10, 188.	0.1	1
441	Nonunique Fixed Point Results via Kannan $\langle \mathit{http://www.w3.org/1998/Math/MathML} \mathit{id="M1"} \rangle$ $\langle \mathit{http://www.w3.org/1998/Math/MathML} \mathit{id="M2"} \rangle$ -Contraction on Quasi-Partial $\langle \mathit{http://www.w3.org/1998/Math/MathML} \mathit{id="M2"} \rangle$ -Metric Space. Journal of Function Spaces. 2021, 2021, 1-10.	0.4	1
442	Some Fixed Point Theorems for Boyd and Wong Type Contraction Mapping in Ordered Partial Metric Spaces with an Application. Journal of Function Spaces, 2022, 2022, 1-9.	0.4	1
443	Investigation of chemical space networks using graph measures and random matrix theory. Journal of Mathematical Chemistry, 2022, 60, 891-914.	0.7	1
444	Birth Weight and Cognitive Development during Childhood: Evidence from India. Economic Papers, 2022, 41, 155-175.	0.4	1
445	Statistics of conductance and shot noise power in chaotic mesoscopic cavities with one ideal and one nonideal lead. Physica B: Condensed Matter, 2022, 639, 413939.	1.3	1
446	Gold nanoparticles and graphene oxide based low cost glucose sensing technique. Optical and Quantum Electronics, 2022, 54, .	1.5	1
447	Multi-quanta vortex states, crossover to Abrikosov's lattice and peak effect phenomenon in Ca3Ir4Sn13. , 2012, , .		0
448	Nanoengineering the built-in electric field of a photonic device by interstitial-ion diffusion. Physical Review B, 2012, 85, .	1.1	0
449	A Multimode interference star coupler with S-bend waveguide. , 2012, , .		0
450	Performance analysis of dynamic erbium-doped fiber amplifier simulator. Optical Engineering, 2013, 52, 045009.	0.5	0

#	ARTICLE	IF	CITATIONS
451	Crossover from more to less ordered vortex state on field-cooling a weakly pinned crystal of Ca <sub>3</sub> Rh <sub>4</sub> Sn <sub>13</sub> . , 2013, , .		0
452	Effect of Joint Thickness on Residual Stress in Laser / Electron Beam Welded 9Cr-1Mo(V, Nb) Ferritic / Martensitic Steel. , 2014, , .		0
453	The uncertainties associated with Rydberg atom based electric field measurements. , 2015, , .		0
454	Study of optical waveguide sensor using metamaterial as buffer layer with non-linear cladding and substrate. , 2015, , .		0
455	Association Mining Technique to Boost the Performance of XML QA Support Scheme. , 2015, , .		0
456	Design and analysis of an optical FIR filter. Proceedings of SPIE, 2016, , .	0.8	0
457	An Approach for Efficient Many Keywords Findings over Encrypted Cloud Information. , 2016, , .		0
458	Paramagnetic response and novel metastability effects in a single crystal of superconducting Ca <sub>3</sub> Ir <sub>4</sub> Sn <sub>13</sub> . AIP Conference Proceedings, 2016, , .	0.3	0
459	Design of transmission gate using electro-optic effect of lithium niobate based Mach-Zehnder interferometers. Photonic Network Communications, 2017, 34, 271-279.	1.4	0
460	Atypical transitions in material response during constant strain rate, hot deformation of austenitic steel. AIP Conference Proceedings, 2017, , .	0.3	0
461	Superior HIV-1 TAR Binders with Conformationally Constrained R52 Arginine Mimics in the Tat(48-57) Peptide. ChemMedChem, 2018, 13, 220-226.	1.6	0
462	An Advanced Approach of Face Recognition Using HSV and Eigen Vector. Advances in Intelligent Systems and Computing, 2018, , 377-386.	0.5	0
463	Efficient implementation of the Wang-Landau algorithm for systems with length-scalable potential energy functions. Physical Review E, 2018, 98, .	0.8	0
464	Vortex phase diagram study in the superconductor Ca <sub>3</sub> Ir <sub>4</sub> Sn <sub>13</sub> . Materials Research Express, 2018, 5, 106002.	0.8	0
465	Biotechnological production of phytosteviosides and their potential applications. , 2020, , 139-164.		0
466	Formation of Deformation Bands in Hot-Worked SS 316LN. Jom, 2020, 72, 1395-1405.	0.9	0
467	Evaluation of bone regeneration around implants with and without flap elevation. Journal of Pharmacy and Bioallied Sciences, 2021, 13, 699.	0.2	0
468	Comparative Evaluation Following Non-surgical Periodontal Therapy with Hand and Ultrasonic Instruments in Dentin Hypersensitivity. Journal of Research and Advancement in Dentistry, 2021, 12, 78-82.	0.0	0

#	ARTICLE	IF	CITATIONS
469	Modeling and comparative analysis of all-class converged-coexistence NG-PON2 network for 5G-IoT-FTTX-services and application. Journal of Optical Communications, 2024, 45, 257-277.	4.0	0
470	Socioeconomic status has bearing on the Mini Mental State Examination score among Indian Urban elderly. Journal of Geriatric Mental Health, 2014, 1, 90.	0.1	0
471	Numerical Analysis of Cam Follower Mechanism And Effect of its Physical Parameter. International Journal of Engineering Research & Technology, 2015, V4, .	0.2	0
472	Optical reversible gate based on lithium niobate based Mach Zehnder Interferometers. , 2016, , .		0
473	Microwave electric field measurement using frequency modulation spectroscopy in Rydberg atoms vapor cells. , 2016, , .		0
474	Design of reversible TR gate using pockelâ€™s effect in lithium - niobate based Mach-Zehnder interferometers. , 2017, , .		0
475	Nanoscale strain-engineering and optics of quantum emitters in a two-dimensional semiconductor. , 2017, , .		0
476	Psychiatric Comorbidities in Patients with Epilepsy: A Cross-sectional Study. International Journal of Advanced and Integrated Medical Sciences, 2017, 2, 24-28.	0.1	0
477	Psychiatric Morbidity and Quality of Life in Patients suffering from Psoriasis in a Tertiary Care Hospital. International Journal of Advanced and Integrated Medical Sciences, 2017, 2, 85-90.	0.1	0
478	Design of Interaction Gate for high performance computing structures. , 2018, , .		0
479	Charge-tunable quantum dots in monolayer WSe2. , 2018, , .		0
480	Dear stress, let's break upâ€¦. Advances in Human Biology, 2018, 8, 131.	0.1	0
481	Monitoring of blood protein using double slot hybrid plasmonic waveguide. , 2018, , .		0
482	Performance Measure of Classifier for Prediction of Healthcare Clinical Information. Advances in Intelligent Systems and Computing, 2020, , 289-301.	0.5	0
483	Distributed Processes Scheduling Based on Evolutionary Approach. Lecture Notes in Networks and Systems, 2020, , 351-359.	0.5	0
484	Impact of Nanotechnology in Biorefineries. , 2020, , 318-347.		0
485	Contributions of Nanomaterials in Biohydrogen Production. , 2020, , 233-255.		0
486	Alcohol consumption among adults in Vietnam: prevalence, patterns, and its determinants. Journal of Substance Use, 0, , 1-9.	0.3	0

#	ARTICLE	IF	CITATIONS
487	Terahertz parametric oscillator with a rhombic ring-cavity. Japanese Journal of Applied Physics, 2022, 61, 040901.	0.8	0
488	The global impact of the COVID-19 pandemic on the education of healthcare professionals, especially in low- and middle-income countries. Advances in Human Biology, 2022, .	0.1	0
489	Medical Studentsâ€™ Perception Regarding Health Policy Teaching and Their Participation in Health Policy Roles: A Survey at a Public University in Malaysia. Healthcare (Switzerland), 2022, 10, 967.	1.0	0