

Pg Emeroylariffion Abas

List of Publications by Year in descending order

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48
papers

1,076
citations

471509

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434195

31
g-index

48
all docs

48
docs citations

48
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Patent landscape review on biodiesel production: Technology updates. Renewable and Sustainable Energy Reviews, 2020, 118, 109526.	16.4	298
2	Vibration-based piezoelectric, electromagnetic, and hybrid energy harvesters for microsystems applications: A contributed review. International Journal of Energy Research, 2021, 45, 65-102.	4.5	88
3	Power Quality Assessment of Grid-Connected PV System in Compliance with the Recent Integration Requirements. Electronics (Switzerland), 2020, 9, 366.	3.1	77
4	Proposal for a Quad-Elliptical Photonic Crystal Fiber for Terahertz Wave Guidance and Sensing Chemical Warfare Liquids. Photonics, 2019, 6, 78.	2.0	43
5	Water Quality Monitoring with Arduino Based Sensors. Environments - MDPI, 2021, 8, 6.	3.3	41
6	Techno-Economic Analysis and Environmental Impact of Electric Vehicle. IEEE Access, 2019, 7, 98565-98578.	4.2	36
7	NEAR INFRARED SUPERCONTINUUM GENERATION IN SILICA BASED PHOTONIC CRYSTAL FIBER. Progress in Electromagnetics Research C, 2019, 89, 149-159.	0.9	34
8	Modelling and simulation of a porous core photonic crystal fibre for terahertz wave propagation. Optical and Quantum Electronics, 2019, 51, 1.	3.3	34
9	Multimodal Hybrid Piezoelectric-Electromagnetic Insole Energy Harvester Using PVDF Generators. Electronics (Switzerland), 2020, 9, 635.	3.1	34
10	Design and Simulation of Photonic Crystal Fiber for Liquid Sensing. Photonics, 2021, 8, 16.	2.0	33
11	Visual data of facial expressions for automatic pain detection. Journal of Visual Communication and Image Representation, 2019, 61, 209-217.	2.8	29
12	Organic Rankine Cycle (ORC) System Applications for Solar Energy: Recent Technological Advances. Energies, 2019, 12, 2930.	3.1	27
13	Review of underwater image restoration algorithms. IET Image Processing, 2019, 13, 1587-1596.	2.5	24
14	Low loss and highly birefringent photonic crystal fibre for terahertz applications. Optik, 2020, 206, 164321.	2.9	24
15	Waste Classification using Convolutional Neural Network. , 2020, , .		22
16	Techno-Economic and Sensitivity Analysis of Rainwater Harvesting System as Alternative Water Source. Sustainability, 2019, 11, 2365.	3.2	21
17	Techno-Economic Analysis and Environmental Impact of Electric Buses. World Electric Vehicle Journal, 2021, 12, 31.	3.0	21
18	Abnormal heart sound classification using phonocardiography signals. Smart Health, 2021, 21, 100194.	3.2	19

#	ARTICLE	IF	CITATIONS
19	Methodology for implementing power plant efficiency standards for power generation: potential emission reduction. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 309-327.	4.1	18
20	Development of energy labels based on consumer perspective: Room air conditioners as a case study in Brunei Darussalam. <i>Energy Reports</i> , 2018, 4, 671-681.	5.1	16
21	Theoretical Considerations of Photonic Crystal Fiber with All Uniform-Sized Air Holes for Liquid Sensing. <i>Photonics</i> , 2021, 8, 249.	2.0	15
22	Modelling and simulation of novel liquid-core infiltrated PCF biosensor in Terahertz frequencies. <i>IET Optoelectronics</i> , 2020, 14, 411-416.	3.3	15
23	Review of porous core photonic crystal fibers for terahertz waveguiding. <i>Optik</i> , 2021, 229, 166284.	2.9	11
24	Proposal of novel photonic crystal fibre for sensing adulterated petrol and diesel with kerosene in terahertz frequencies. <i>IET Optoelectronics</i> , 2020, 14, 319-326.	3.3	11
25	Theoretical Assessment of a Porous Core Photonic Crystal Fiber for Terahertz Wave Propagation. <i>Journal of Optical Communications</i> , 2022, 43, 199-209.	4.7	9
26	Bird Sounds Classification Using Linear Discriminant Analysis. , 2019, , .		9
27	Patent Landscape of Composting Technology: A Review. <i>Inventions</i> , 2022, 7, 38.	2.5	9
28	Packet-level and IEEE 802.11 MAC frame-level network traffic traces data of the D-Link IoT devices. <i>Data in Brief</i> , 2021, 37, 107208.	1.0	8
29	Identification of Normal and Abnormal Heart Sounds by Prominent Peak Analysis. , 2019, , .		7
30	Design and Simulation of Heptagonal Porous Core Photonic Crystal Fiber for Terahertz Wave Transmission. <i>Optik</i> , 2022, , 169142.	2.9	6
31	Power harvesting footwear based on piezo-electromagnetic hybrid generator for sustainable wearable microelectronics. <i>Journal of King Saud University, Engineering Sciences</i> , 2022, 34, 329-338.	2.0	5
32	Nonlinear multi-mode electromagnetic insole energy harvester for human-powered body monitoring sensors: Design, modeling, and characterization. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 6415-6426.	2.1	5
33	Probability Enhanced Entropy (PEE) Novel Feature for Improved Bird Sound Classification. , 2022, 19, 52-62.		5
34	Native language identification for Indian-speakers by an ensemble of phoneme-specific, and text-independent convolutions. <i>Speech Communication</i> , 2022, 139, 92-101.	2.8	4
35	Techno-Economic Analysis and Feasibility Studies of Electric Vehicle Charging Station. <i>World Electric Vehicle Journal</i> , 2021, 12, 264.	3.0	4
36	Spatial position constraint for unsupervised learning of speech representations. <i>PeerJ Computer Science</i> , 2021, 7, e650.	4.5	3

#	ARTICLE	IF	CITATIONS
37	Depth estimation for underwater images from single view image. IET Image Processing, 2020, 14, 4188-4197.	2.5	3
38	Role of Restored Underwater Images in Underwater Imaging Applications. Applied System Innovation, 2021, 4, 96.	4.6	3
39	A Novel Approach of Audio Based Feature Optimisation for Bird Classification. Pertanika Journal of Science and Technology, 2021, 29, .	0.6	2
40	Defense against adversarial attacks on deep convolutional neural networks through nonlocal denoising. IAES International Journal of Artificial Intelligence, 2022, 11, 961.	0.8	2
41	Transfer learning for cancer diagnosis in histopathological images. IAES International Journal of Artificial Intelligence, 2022, 11, 129.	0.8	1
42	Milestone of Pain Intensity Evaluation from Facial Action Units. , 2019, , .		0
43	Novel Terahertz Photonic Crystal Fiber for Liquid Cocaine Sensing. , 2020, , .		0
44	Proposal of Highly Birefringent Porous Core Photonic Crystal Fibre for Polarisation Maintaining Terahertz Wave Guidance. , 2020, , .		0
45	Highly Sensitive Photonic Crystal Fiber Sensor for Liquid Detection. , 2021, , .		0
46	A Design Study of Orthotic Shoe Based on Pain Pressure Measurement Using Algometer for Calcaneal Spur Patients. Technologies, 2021, 9, 62.	5.1	0
47	Design and simulation of liquid infiltrated photonic crystal fibre in terahertz frequencies. Physica Scripta, 2022, 97, 015502.	2.5	0
48	An Image Synthesis Method Generating Underwater Images. Advances in Technology Innovation, 2022, 7, 195-205.	0.5	0