

# Pg Emeroylariffion Abas

## List of Publications by Year in descending order

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48  
papers

1,076  
citations

471509

17  
h-index

434195

31  
g-index

48  
all docs

48  
docs citations

48  
times ranked

987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Assessment of a Porous Core Photonic Crystal Fiber for Terahertz Wave Propagation. Journal of Optical Communications, 2022, 43, 199-209.	4.7	9
2	Power harvesting footwear based on piezo-electromagnetic hybrid generator for sustainable wearable microelectronics. Journal of King Saud University, Engineering Sciences, 2022, 34, 329-338.	2.0	5
3	Probability Enhanced Entropy (PEE) Novel Feature for Improved Bird Sound Classification. , 2022, 19, 52-62.		5
4	Design and simulation of liquid infiltrated photonic crystal fibre in terahertz frequencies. Physica Scripta, 2022, 97, 015502.	2.5	0
5	Transfer learning for cancer diagnosis in histopathological images. IAES International Journal of Artificial Intelligence, 2022, 11, 129.	0.8	1
6	Native language identification for Indian-speakers by an ensemble of phoneme-specific, and text-independent convolutions. Speech Communication, 2022, 139, 92-101.	2.8	4
7	Design and Simulation of Heptagonal Porous Core Photonic Crystal Fiber for Terahertz Wave Transmission. Optik, 2022, , 169142.	2.9	6
8	Patent Landscape of Composting Technology: A Review. Inventions, 2022, 7, 38.	2.5	9
9	An Image Synthesis Method Generating Underwater Images. Advances in Technology Innovation, 2022, 7, 195-205.	0.5	0
10	Defense against adversarial attacks on deep convolutional neural networks through nonlocal denoising. IAES International Journal of Artificial Intelligence, 2022, 11, 961.	0.8	2
11	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
12	Design and Simulation of Photonic Crystal Fiber for Liquid Sensing. Photonics, 2021, 8, 16.	2.0	33
13	Techno-Economic Analysis and Environmental Impact of Electric Buses. World Electric Vehicle Journal, 2021, 12, 31.	3.0	21
14	Review of porous core photonic crystal fibers for terahertz waveguiding. Optik, 2021, 229, 166284.	2.9	11
15	Nonlinear multi-mode electromagnetic insole energy harvester for human-powered body monitoring sensors: Design, modeling, and characterization. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 6415-6426.	2.1	5
16	Theoretical Considerations of Photonic Crystal Fiber with All Uniform-Sized Air Holes for Liquid Sensing. Photonics, 2021, 8, 249.	2.0	15
17	Highly Sensitive Photonic Crystal Fiber Sensor for Liquid Detection. , 2021, , .		0
18	Spatial position constraint for unsupervised learning of speech representations. PeerJ Computer Science, 2021, 7, e650.	4.5	3

#	ARTICLE	IF	CITATIONS
19	Abnormal heart sound classification using phonocardiography signals. Smart Health, 2021, 21, 100194.	3.2	19
20	A Design Study of Orthotic Shoe Based on Pain Pressure Measurement Using Algometer for Calcaneal Spur Patients. Technologies, 2021, 9, 62.	5.1	0
21	Packet-level and IEEE 802.11 MAC frame-level network traffic traces data of the D-Link IoT devices. Data in Brief, 2021, 37, 107208.	1.0	8
22	Water Quality Monitoring with Arduino Based Sensors. Environments - MDPI, 2021, 8, 6.	3.3	41
23	A Novel Approach of Audio Based Feature Optimisation for Bird Classification. Pertanika Journal of Science and Technology, 2021, 29, .	0.6	2
24	Role of Restored Underwater Images in Underwater Imaging Applications. Applied System Innovation, 2021, 4, 96.	4.6	3
25	Techno-Economic Analysis and Feasibility Studies of Electric Vehicle Charging Station. World Electric Vehicle Journal, 2021, 12, 264.	3.0	4
26	Patent landscape review on biodiesel production: Technology updates. Renewable and Sustainable Energy Reviews, 2020, 118, 109526.	16.4	298
27	Novel Terahertz Photonic Crystal Fiber for Liquid Cocaine Sensing. , 2020, , .		0
28	Proposal of Highly Birefringent Porous Core Photonic Crystal Fibre for Polarisation Maintaining Terahertz Wave Guidance. , 2020, , .		0
29	Multimodal Hybrid Piezoelectric-Electromagnetic Insole Energy Harvester Using PVDF Generators. Electronics (Switzerland), 2020, 9, 635.	3.1	34
30	Power Quality Assessment of Grid-Connected PV System in Compliance with the Recent Integration Requirements. Electronics (Switzerland), 2020, 9, 366.	3.1	77
31	Low loss and highly birefringent photonic crystal fibre for terahertz applications. Optik, 2020, 206, 164321.	2.9	24
32	Proposal of novel photonic crystal fibre for sensing adulterated petrol and diesel with kerosene in terahertz frequencies. IET Optoelectronics, 2020, 14, 319-326.	3.3	11
33	Modelling and simulation of novel liquidâ€infiltrated PCF biosensor in Terahertz frequencies. IET Optoelectronics, 2020, 14, 411-416.	3.3	15
34	Waste Classification using Convolutional Neural Network. , 2020, , .		22
35	Depth estimation for underwater images from single view image. IET Image Processing, 2020, 14, 4188-4197.	2.5	3
36	Proposal for a Quad-Elliptical Photonic Crystal Fiber for Terahertz Wave Guidance and Sensing Chemical Warfare Liquids. Photonics, 2019, 6, 78.	2.0	43

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37	Techno-Economic Analysis and Environmental Impact of Electric Vehicle. IEEE Access, 2019, 7, 98565-98578.	4.2	36
38	Review of underwater image restoration algorithms. IET Image Processing, 2019, 13, 1587-1596.	2.5	24
39	Organic Rankine Cycle (ORC) System Applications for Solar Energy: Recent Technological Advances. Energies, 2019, 12, 2930.	3.1	27
40	NEAR INFRARED SUPERCONTINUUM GENERATION IN SILICA BASED PHOTONIC CRYSTAL FIBER. Progress in Electromagnetics Research C, 2019, 89, 149-159.	0.9	34
41	Techno-Economic and Sensitivity Analysis of Rainwater Harvesting System as Alternative Water Source. Sustainability, 2019, 11, 2365.	3.2	21
42	Visual data of facial expressions for automatic pain detection. Journal of Visual Communication and Image Representation, 2019, 61, 209-217.	2.8	29
43	Modelling and simulation of a porous core photonic crystal fibre for terahertz wave propagation. Optical and Quantum Electronics, 2019, 51, 1.	3.3	34
44	Milestone of Pain Intensity Evaluation from Facial Action Units. , 2019, , .		0
45	Bird Sounds Classification Using Linear Discriminant Analysis. , 2019, , .		9
46	Identification of Normal and Abnormal Heart Sounds by Prominent Peak Analysis. , 2019, , .		7
47	Methodology for implementing power plant efficiency standards for power generation: potential emission reduction. Clean Technologies and Environmental Policy, 2018, 20, 309-327.	4.1	18
48	Development of energy labels based on consumer perspective: Room air conditioners as a case study in Brunei Darussalam. Energy Reports, 2018, 4, 671-681.	5.1	16