

Zunaidi Ibrahim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2512477/publications.pdf>

Version: 2024-02-01

136
papers

663
citations

933447

10
h-index

940533

16
g-index

137
all docs

137
docs citations

137
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Frequency Analysis of EEG Signals for Human Emotion Detection. IFMBE Proceedings, 2008, , 262-265.	0.3	62
2	Lifting scheme for human emotion recognition using EEG. , 2008, , .		37
3	Power Spectral Density Analysis for Human EEG-based Biometric Identification. , 2018, , .		26
4	Comparative study of surface temperature of lithium-ion polymer cells at different discharging rates by infrared thermography and thermocouple. International Journal of Heat and Mass Transfer, 2020, 153, 119595.	4.8	23
5	Analysis of The Distance Metrics of KNN Classifier for EEG Signal in Stroke Patients. , 2018, , .		22
6	Prediction of Spinal Abnormalities Using Machine Learning Techniques. , 2018, , .		22
7	Path planning based on geographical features information for an autonomous mobile robot. Artificial Life and Robotics, 2006, 10, 149-156.	1.2	18
8	Analysis on Non-Linear Features of Electroencephalogram (EEG) Signal for Neuromarketing Application. , 2018, , .		16
9	Investigation of Steering Wheel Control of an Electric Buggy Car for Designing Fuzzy Controller. Lecture Notes in Mechanical Engineering, 2018, , 459-468.	0.4	16
10	Analysis of EEG Spectrum Bands Using Power Spectral Density for Pleasure and Displeasure State. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012030.	0.6	15
11	Electromyography Signal Based For Intelligent Prosthesis Design. IFMBE Proceedings, 2008, , 187-190.	0.3	15
12	Image Enhancement Based on Discrete Cosine Transforms (DCT) and Discrete Wavelet Transform (DWT): A Review. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012027.	0.6	13
13	PSD-Based Features Extraction For EEG Signal During Typing Task. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012032.	0.6	13
14	A review of the application and effectiveness of heat storage system using phase change materials in the built environment. AIP Conference Proceedings, 2021, , .	0.4	13
15	Review of Different Binarization Approaches on Degraded Document Images. , 2018, , .		12
16	Development of Driving Cycle Construction Methodology in Malaysia's Urban Road System. , 2018, , .		11
17	Objective Evaluation of Freezing of Gait in Patients with Parkinson's Disease through Machine Learning Approaches. , 2018, , .		11
18	Heat transfer improvement in simulated small battery compartment using metal oxide (CuO)/deionized water nanofluid. Heat and Mass Transfer, 2020, 56, 399-406.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Development of Double Rotation Vertical Axis Generator with Double Rotation of Wind Turbine. , 2018, , .		10
20	Efficient methodology of route selection for driving cycle development. Journal of Physics: Conference Series, 2017, 908, 012082.	0.4	9
21	Improved Feng Binarization Based on Max-Mean Technique on Document Image. , 2018, , .		8
22	Image Correction Based on Homomorphic Filtering Approaches: A Study. , 2018, , .		8
23	EMG Feature Extractions for Upper-Limb Functional Movement During Rehabilitation. , 2018, , .		8
24	Comparison of Features Based on Spectral Estimation for the Analysis of EEG Signals in Driver Behavior. , 2018, , .		8
25	Colour Component Analysis Approach for Malaria Parasites Detection Based on Thick Blood Smear Images. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012007.	0.6	8
26	Upper Limb Muscle Strength Analysis For Movement Sequence Based on Maximum Voluntary Contraction Using EMG Signal. , 2018, , .		7
27	Physical properties of plasticized PLA/HNTs bionanocomposites: effects of plasticizer type and content. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012067.	0.6	7
28	Image Segmentation Approach for Acute and Chronic Leukaemia Based on Blood Sample Images. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012008.	0.6	7
29	Comparing the Efficiency of Intelligent Hybrid Operator Assistance Software with Intuitive Set-up (OASIS) for Assembly Production Line. Journal of Physics: Conference Series, 2020, 1529, 042106.	0.4	7
30	A Review of Different Segmentation Approach on Non Uniform Images. , 2018, , .		6
31	Performance evaluation of a VR-based arm rehabilitation using movement sequence pattern. , 2018, , .		6
32	Blood Vessel Extraction Using Combination of Kirsch's Templates and Fuzzy C-Means (FCM) on Retinal Images. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012009.	0.6	6
33	Ultra-Wideband Confocal Microwave Imaging for Brain Tumor Detection. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012002.	0.6	6
34	Non Linear Features Analysis between Imaginary and Non-imaginary Tasks for Human EEG-based Biometric Identification. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012033.	0.6	6
35	Effect of Roadways Plantation on Signal Propagation Analysis in Connected Autonomous Vehicle Communication. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012056.	0.6	6
36	An Overview on Overvoltage Phenomena in Power Systems. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012013.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Muscle Fatigue Detections During Arm Movement using EMG Signal. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012004.	0.6	6
38	Effects of Variable Arm Length on UAV Control Systems. Journal of Robotics, Networking and Artificial Life, 2020, 7, 91.	0.4	6
39	NRZ and RZ analysis for optical CDMA based on radio over fiber (RoF) technique. , 2016, , .		5
40	Design Simulation of a Fuzzy Steering Wheel Controller for a buggy car. , 2018, , .		5
41	Fabrication and Properties of Polypropylene and Kenaf Fiber Composite. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012016.	0.6	5
42	Development of predictive models for cervical cancer based on gene expression profiling data. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012003.	0.6	5
43	Tumor Detection via Specific Absorption Rate Technique Using Ultra-Wideband Antenna. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012024.	0.6	5
44	Development of Automated Spray-Painting System for Anti-Static Coating Process. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012001.	0.6	5
45	Emotional States Analyze from Scaling Properties of EEG Signals Using Hurst Exponent for Stroke and Normal Groups. Lecture Notes in Mechanical Engineering, 2020, , 526-534.	0.4	5
46	A Review: An Evaluation of Current Artificial Intelligent Methods in Traffic Flow Prediction. IOP Conference Series: Materials Science and Engineering, 2020, 917, 012063.	0.6	5
47	Complex background subtraction for biometric identification. , 2007, , .		4
48	The Effects of Cutting Parameters on Surface Texture of Hybrid Composite CFRP/AL2024. Materials Science Forum, 2016, 863, 111-115.	0.3	4
49	Experimental study on gasâ€œliquid flow distributions in upward multi-pass channelsâ€œComparison of R-134a flow and airâ€œwater flow. Experimental Thermal and Fluid Science, 2018, 91, 134-143.	2.7	4
50	Analysis of EMG based Arm Movement Sequence using Mean and Median Frequency. , 2018, , .		4
51	Thermoplastic Elastomer composite using Benzyl Chloride Treatment on Kenaf Core Powder Mixing with Polypropylene and Virgin Acrylonitrile Butadiene Rubber. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012013.	0.6	4
52	Exploring EEG based Authentication for Imaginary and Non-imaginary tasks using Power Spectral Density Method. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012031.	0.6	4
53	Metal Oxide and Activated Carbon as Photocatalyst for Waste Water Treatment. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012066.	0.6	4
54	Performance analysis of optical CDMA based on radio over fiber (RoF) technique. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
55	Development of Driving Cycle for Passenger Car under Real World Driving Conditions in Kuala Lumpur, Malaysia. IOP Conference Series: Materials Science and Engineering, 0, 429, 012047.	0.6	3
56	The Comparison between the Performance of Water and CuO/Water nanofluid in Improving the Heat Transfer of Small Spaces. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012073.	0.6	3
57	Development and investigation of thermoelectric cooling performance based on space scales. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012083.	0.6	3
58	The Effect of Alkaline Treatments with Various Concentrations on Oil Palm Empty Fruit Bunch (OPEFB) Fibre Structure. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012006.	0.6	3
59	Tensile and morphological studies of polypropylene/empty fruit bunch composite: Effect of maleic anhydride-grafted polypropylene. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012015.	0.6	3
60	Recent Advances in Wireless Sensor Network Routing Protocols: An Energy Efficiency Perspective. , 2018, , .		3
61	Fragmentation in MAC IEEE 802.15.4 to Improve Delay Performance in Wireless Body Area Network (WBAN). IOP Conference Series: Materials Science and Engineering, 2019, 557, 012020.	0.6	3
62	Arm Games for Virtual Reality Based Post-stroke Rehabilitation. Lecture Notes in Mechanical Engineering, 2020, , 91-101.	0.4	3
63	Comparison Between Performance of De-ionized Water and Al ₂ O ₃ /De-ionized Water on Enhancing the Transportation of Heat in Small Space. IOP Conference Series: Materials Science and Engineering, 0, 557, 012051.	0.6	3
64	Approach to enhance the heat transfer of valve seats through thermal analysis. Applied Thermal Engineering, 2022, 202, 117870.	6.0	3
65	Environmental map for autonomous navigation system using geographical feature elements information. , 2011, , .		2
66	Base fluid in improving heat transfer for EV car battery. AIP Conference Proceedings, 2015, , .	0.4	2
67	Comparative Study on Fuel Consumption and Different Driving Cycles for a Passenger Car in Malaysia via 1-D Simulation. IOP Conference Series: Materials Science and Engineering, 0, 429, 012057.	0.6	2
68	Fluid Flows for Heat Transfer Enhancement by Using ZnO/Water Nanofluids with Different Concentrations. IOP Conference Series: Materials Science and Engineering, 0, 429, 012076.	0.6	2
69	Studies on water absorption of polypropylene/recycled acrylonitrile butadiene rubber/empty fruit bunch composites. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012091.	0.6	2
70	Computational investigation of breast cancer on mammogram image information. AIP Conference Proceedings, 2018, , .	0.4	2
71	Analysis of Suitable Thermodynamic Properties and Conditions for Dew Point Cooling system. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012072.	0.6	2
72	Determining Acceptable Range of Surface Electromyogram Electrode Placement Variation for Deltoid Muscle Using Euclidean Distance Function. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
73	Investigation of upper limb movement for VR based post stroke rehabilitation device. , 2018, , .		2
74	Adaptive gesture recognition based on human physical characteristic. , 2018, , .		2
75	Slow Release Fertilizer from Treated Rice Straw/Urea Beads Coated With Natural Rubber: FTIR and UV-Vis Analysis. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012068.	0.6	2
76	Analysis of Human Behaviour while Controlling the Steering Wheel of a Buggy Electric Vehicle (EV). IOP Conference Series: Materials Science and Engineering, 2019, 557, 012011.	0.6	2
77	Document Images Binarization Using Hybrid Combination of Fuzzy C-Means and Deghost Method. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012012.	0.6	2
78	A Comprehensive Review on Document Image (DIBCO) Database. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012006.	0.6	2
79	Stacked Stepped-Fed Super Wideband Antenna Performance in Free Space and Liquid Medium for Biomedical Applications. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012026.	0.6	2
80	Application nano-fluids for improvement heat transfer from small spaces: An overview. AIP Conference Proceedings, 2015, , .	0.4	1
81	Thermoelectric as recovery and harvesting of waste heat from portable generator. Journal of Physics: Conference Series, 2017, 908, 012084.	0.4	1
82	Design of refrigeration system using refrigerant R134a for macro compartment. Journal of Physics: Conference Series, 2017, 908, 012054.	0.4	1
83	Terengganu routes representation for development of Malaysia Driving Cycle: Route selection methodology. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012050.	0.6	1
84	Enhancement of Engine Performance through analyzing internal part design on Modenas CT115s exhaust using CFD Simulation. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012055.	0.6	1
85	Simulation Studies - Path Tracking of an Autonomous Electric Vehicle (AEV) by Using Fuzzy Information of Speed and Steering Angle. , 2018, , .		1
86	Building Attribute Domain of Arm Motions for the Representation of Gestural Information. , 2018, , .		1
87	Valve Lift Overlapping Effect by Analyzing Engine Charge Flow in Various Cam Profiles for on Modenas CT115s using CFD Simulation. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012054.	0.6	1
88	Development of an annular mist flow generating device for air-water flow. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012077.	0.6	1
89	The Effect of Multiple Surface Treatments on Oil Palm Empty Fruit Bunch (OPEFB) Fibre Structure. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012005.	0.6	1
90	Investigation of upper arm muscle activation for the progress monitoring in stroke rehabilitation. AIP Conference Proceedings, 2018, , .	0.4	1

#	ARTICLE	IF	CITATIONS
91	Ontological Approach on Designing Knowledge Domain Presentation of MOCAP based on Arm Movement. , 2018, , .		1
92	Modeling of Time Domain Analysis for Single and Double Open-Circuit Inverter Switch Faults in Three-Phase Induction Motor Drives. , 2018, , .		1
93	Effects of Rubbernecking Phenomena Towards Vehicle Deceleration Rate Due to Primary Accident Location by Implementing Safety Incident Screens for Improvement of Human Behaviour Alteration in Penang's Urban Road System. , 2018, , .		1
94	Tensile Properties and Impact Strength of RHDPE/BF Composites: The Effects of Chemical Treatment. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012041.	0.6	1
95	Dynamic Analysis of UAV's Motor Support Bar Length Control System. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012053.	0.6	1
96	Preliminary study on EEG based typing biometrics for user authentication using nonlinear features. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012035.	0.6	1
97	Software Defined Networks Security: Link Failure Analysis in SDN. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012039.	0.6	1
98	The Influences of Different Bamboo Filler Loading on Tensile Properties and Impact Strength of RHDPE/BF Composites. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012069.	0.6	1
99	Distributed Online Averaged One Dependence Estimator (DOAOE) Algorithm for Multi-class Classification of Network Anomaly Detection System. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012015.	0.6	1
100	Fundamental design of thermoelectrical nature air conditioning system in small room for living cat (mammalian). Journal of Physics: Conference Series, 2019, 1372, 012032.	0.4	1
101	Reason Maintenance in Product Modelling via Open Source CAD System. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 990.	0.4	1
102	Effectiveness of Tuned Q-factor Wavelet Transform in Emotion Recognition Among Left-brain Damaged Stroke Patients. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1
103	Performance analysis of Software Defined Network (SDN) in link failure scenario. IOP Conference Series: Materials Science and Engineering, 0, 557, 012028.	0.6	1
104	A Study of Non-Gaussian Properties in Emotional EEG in Stroke Using Higher-Order Statistics. Lecture Notes in Electrical Engineering, 2020, , 635-645.	0.4	1
105	Magnetic Levitation in 3 Dimensional Space using 4 Different Electromagnets. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2005, 71, 1920-1926.	0.2	0
106	Down Milling Cutting Parameters Optimization Utilizing the Two Level Full Factorial Design Approach. Materials Science Forum, 0, 863, 57-61.	0.3	0
107	The Effects of Nanofluid (Al ₂ O ₃ /De-ionized Water) with Different Concentrations in Improving the Transportation of heat in Small Space. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012074.	0.6	0
108	A review on effect of intake system flow by various designs to engine performance. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012052.	0.6	0

#	ARTICLE	IF	CITATIONS
109	Modenas CT115s performance enhancement by redesign internal geometry to improve the flow pattern of air box. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012053.	0.6	0
110	MODENAS CT115s intake port performance enhancement through analyzing volumetric and geometrical design with valve lift adjustment by using CFD Simulation. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012051.	0.6	0
111	Cooling capacity of 1 HP room air conditioner “ comparison between indoor room testing condition of ISO 5151 standard requirement and average Malaysian preferable condition. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012070.	0.6	0
112	Development of High Efficiency Small Room Air Conditioner-Application of Dew Point Cooling System. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012088.	0.6	0
113	Experimental and numerical analysis on the adhesive T-joint using high temperature adhesive. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012093.	0.6	0
114	A Study on Possibility of CFD Simulation on Air Simulation in Minor Operation Theatre. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012071.	0.6	0
115	A Test of Possibility on Relative Humidity Function in Minor Operation Theatre. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012089.	0.6	0
116	Analysis of Desired Air Flow Characteristic inside Dew Point Cooling system. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012087.	0.6	0
117	Experimental Study on Relation of Small UAV Propeller Thrust Generation and The Mouth-Ring. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012079.	0.6	0
118	Analysis of high humidity air flow inside dew point cooling system. AIP Conference Proceedings, 2018, , .	0.4	0
119	Investigation of Adhesive Joint Strength for Dissimilar Metal Adherends by Using Taguchi Method. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012098.	0.6	0
120	High Enhancement of Unidirectional UWB Array Antenna’s Gain Using Flat Reflector Structure for Microwave Applications. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012050.	0.6	0
121	Integration of Asset Tracking System through Trilateration Method as Detection Mechanism. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012038.	0.6	0
122	Analysis of Relation Between Propulsion Angle and Thrust Generation of SEA-EYE. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012049.	0.6	0
123	Experimental study of UAV propeller Thrust generation for various Propeller Blade-Span and the relation with mouth-ring. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012052.	0.6	0
124	Analysis of macro channel heat exchanger for fever relief cool cap using thermoelectric. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012040.	0.6	0
125	Experimental Study of Compact Multi-Pass Evaporator Two Phase Flow. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012048.	0.6	0
126	Numerical Analysis on Modelling Thermal Comfort Minor Operation Theatre. Journal of Physics: Conference Series, 2019, 1372, 012033.	0.4	0

#	ARTICLE	IF	CITATIONS
127	Low-Complexity Distributed SDN Controller Environments on Switch Migration Testbed. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012021.	0.6	0
128	High Gain of Directional Ultra-Wideband Array Antenna Using Flat Reflector Structure for Microwave Imaging. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012018.	0.6	0
129	A Mathematical Model for A Cladding Fastener to Estimate the Maximum Pull-Out Force Capacity. Journal of Physics: Conference Series, 2020, 1529, 052053.	0.4	0
130	An Experimental Framework for Assessing Emotions of Stroke Patients using Electroencephalogram (EEG). Journal of Physics: Conference Series, 2020, 1529, 052072.	0.4	0
131	Engine performance enhancement by improving heat transfer in between exhaust valve and valve seat through CFD (transient thermal) simulation. AIP Conference Proceedings, 2021, , .	0.4	0
132	Biomedical Engineering Instrumentation Research Collaboration between Universiti Kuala Lumpur, deNuo Sdn. Bhd. and Flinders University, Australia. IFMBE Proceedings, 2009, , 196-199.	0.3	0
133	Path Tracking Simulation of the Buggy Car by Using Fuzzy Information of the Steering Wheel. Lecture Notes in Mechanical Engineering, 2020, , 57-66.	0.4	0
134	Analysis of attribute domain for geometrical gesture performed by arm movements. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 16, 759.	0.8	0
135	Effects of Variable Arm Length on UAV Control Systems. Proceedings of International Conference on Artificial Life and Robotics, 2020, 25, 317-322.	0.1	0
136	Simulation Studies of the Hybrid Human-Fuzzy Controller for Path Tracking of an Autonomous Vehicle. Lecture Notes in Electrical Engineering, 2021, , 997-1005.	0.4	0