Zunaidi Ibrahim

List of Publications by Year
in descending order

136	663	10	16
papers	citations	h-index	g-index

137	137	137	370
all docs	docs citations	times ranked	citing authors

933447

940533

#	Article	IF	Citations
1	Approach to enhance the heat transfer of valve seats through thermal analysis. Applied Thermal Engineering, 2022, 202, 117870.	6.0	3
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	An Experimental Framework for Assessing Emotions of Stroke Patients using Electroencephalogram (EEG). Journal of Physics: Conference Series, 2020, 1529, 052072.	0.4	0
10	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
11	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
12	Arm Games for Virtual Reality Based Post-stroke Rehabilitation. Lecture Notes in Mechanical Engineering, 2020, , 91-101.	0.4	3
13	Effects of Variable Arm Length on UAV Control Systems. Journal of Robotics, Networking and Artificial Life, 2020, 7, 91.	0.4	6
14	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
15	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
16	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
17	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
18	Blood Vessel Extraction Using Combination of Kirschâ€™s Templates and Fuzzy C-Means (FCM) on Retinal Images. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012009.	0.6	6

#	Article	IF	Citations
19	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
20	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
21	Ultra-Wideband Confocal Microwave Imaging for Brain Tumor Detection. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012002.	0.6	6
22	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
23	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
24	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
25	Dynamic Analysis of UAV's Motor Support Bar Length Control System. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012053.	0.6	1
26	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
27	Tumor Detection via Specific Absorption Rate Technique Using Ultra-Wideband Antenna. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012024.	0.6	5
28	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
29	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
30	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
31	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
32	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
33	Integration of Asset Tracking System through Trilateration Method as Detection Mechanism. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012038.	0.6	0
34	Software Defined Networks Security: Link Failure Analysis in SDN. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012039.	0.6	1
35	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
36	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

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37	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
38	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
39	A Comprehensive Review on Document Image (DIBCO) Database. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012006.	0.6	2
40	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
41	Experimental Study of Compact Multi-Pass Evaporator Two Phase Flow. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012048.	0.6	0
42	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
43	Distributed Online Averaged One Dependence Estimator (DOAODE) Algorithm for Multi-class Classification of Network Anomaly Detection System. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012015.	0.6	1
44	PSD-Based Features Extraction For EEG Signal During Typing Task. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012032.	0.6	13
45	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
46	Numerical Analysis on Modelling Thermal Comfort Minor Operation Theatre. Journal of Physics: Conference Series, 2019, 1372, 012033.	0.4	0
47	Development of Automated Spray-Painting System for Anti-Static Coating Process. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012001.	0.6	5
48	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
49	An Overview on Overvoltage Phenomena in Power Systems. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012013.	0.6	6
50	Low-Complexity Distributed SDN Controller Environments on Switch Migration Testbed. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012021.	0.6	0
51	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
52	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
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	Muscle Fatigue Detections During Arm Movement using EMG Signal. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012004.	0.6	6

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55	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
56	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
57	Experimental study on gas–liquid flow distributions in upward multi-pass channels—Comparison of R-134a flow and air–water flow. Experimental Thermal and Fluid Science, 2018, 91, 134-143.	2.7	4
58	The Effects of Nanofluid (Al2O3/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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	Simulation Studies - Path Tracking of an Autonomous Electric Vehicle (AEV) by Using Fuzzy Information of Speed and Steering Angle. , 2018, , .		1
67	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
68	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
69	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
70	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
71	Analysis of EMG based Arm Movement Sequence using Mean and Median Frequency. , 2018, , .		4
72	Building Attribute Domain of Arm Motions for the Representation of Gestural Information. , 2018, , .		1

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73	Improved Feng Binarization Based on Max-Mean Technique on Document Image. , 2018, , .		8
74	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
75	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
76	Development and investigation of thermoelectric cooling performance based on space scales. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012083.	0.6	3
77	Analysis of Desired Air Flow Characteristic inside Dew Point Cooling system. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012087.	0.6	0
78	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
79	Analysis on Non-Linear Features of Electroencephalogram (EEG) Signal for Neuromarketing Application. , 2018, , .		16
80	Development of Double Rotation Vertical Axis Generator with Double Rotation of Wind Turbine. , 2018, , .		10
81	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
82	Image Correction Based on Homomorphic Filtering Approaches: A Study. , 2018, , .		8
83	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
84	Review of Different Binarization Approaches on Degraded Document Images. , 2018, , .		12
85	Power Spectral Density Analysis for Human EEG-based Biometric Identification. , 2018, , .		26
86	Development of Driving Cycle Construction Methodology in Malaysia's Urban Road System. , 2018, , .		11
87	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
88	Investigation of upper arm muscle activation for the progress monitoring in stroke rehabilitation. AIP Conference Proceedings, 2018, , .	0.4	1
89	Computational investigation of breast cancer on mammogram image information. AIP Conference Proceedings, 2018, , .	0.4	2
90	EMG Feature Extractions for Upper-Limb Functional Movement During Rehabilitation. , 2018, , .		8

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91	Design Simulation of a Fuzzy Steering Wheel Controller for a buggy car. , 2018, , .		5
92	Upper Limb Muscle Strength Analysis For Movement Sequence Based on Maximum Voluntary Contraction Using EMG Signal. , 2018, , .		7
93	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
94	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
95	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
96	Fabrication and Properties of Polypropylene and Kenaf Fiber Composite. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012016.	0.6	5
97	Ontological Approach on Designing Knowledge Domain Presentation of MOCAP based on Arm Movement. , 2018, , .		1
98	Analysis of high humidity air flow inside dew point cooling system. AIP Conference Proceedings, 2018, , .	0.4	0
99	Recent Advances in Wireless Sensor Network Routing Protocols: An Energy Efficiency Perspective. , 2018, , .		3
100	Analysis of The Distance Metrics of KNN Classifier for EEG Signal in Stroke Patients. , 2018, , .		22
101	Prediction of Spinal Abnormalities Using Machine Learning Techniques. , 2018, , .		22
102	Modeling of Time Domain Analysis for Single and Double Open-Circuit Inverter Switch Faults in Three-Phase Induction Motor Drives. , 2018, , .		1
103	Determining Acceptable Range of Surface Electromyogram Electrode Placement Variation for Deltoid Muscle Using Euclidean Distance Function. , 2018, , .		2
104	Comparison of Features Based on Spectral Estimation for the Analysis of EEG Signals in Driver Behavior. , 2018, , .		8
105	A Review of Different Segmentation Approach on Non Uniform Images. , 2018, , .		6
106	Objective Evaluation of Freezing of Gait in Patients with Parkinson's Disease through Machine Learning Approaches. , 2018, , .		11
107	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
108	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

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109	Investigation of upper limb movement for VR based post stroke rehabilitation device. , 2018, , .		2
110	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
111	Performance evaluation of a VR-based arm rehabilitation using movement sequence pattern. , 2018, , .		6
112	Adaptive gesture recognition based on human physical characteristic. , 2018, , .		2
113	Thermoelectric as recovery and harvesting of waste heat from portable generator. Journal of Physics: Conference Series, 2017, 908, 012084.	0.4	1
114	Efficient methodology of route selection for driving cycle development. Journal of Physics: Conference Series, 2017, 908, 012082.	0.4	9
115	Design of refrigeration system using refrigerant R134a for macro compartment. Journal of Physics: Conference Series, 2017, 908, 012054.	0.4	1
116	Performance analysis of optical CDMA based on radio over fiber (RoF) technique. , 2016, , .		3
117	NRZ and RZ analysis for optical CDMA based on radio over fiber (RoF) technique. , 2016, , .		5
118	The Effects of Cutting Parameters on Surface Texture of Hybrid Composite CFRP/AL2024. Materials Science Forum, 2016, 863, 111-115.	0.3	4
119	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
120	Application nano-fluids for improvement heat transfer from small spaces: An overview. AIP Conference Proceedings, 2015, , .	0.4	1
121	Base fluid in improving heat transfer for EV car battery. AIP Conference Proceedings, 2015, , .	0.4	2
122	Environmental map for autonomous navigation system using geographical feature elements information. , 2011, , .		2
123	Biomedical Engineering Instrumentation Research Collaboration between Universiti Kuala Lumpur, deNuo Sdn. Bhd. and Flinders University, Australia. IFMBE Proceedings, 2009, , 196-199.	0.3	0
124	Lifting scheme for human emotion recognition using EEG. , 2008, , .		37
125	Electromyography Signal Based For Intelligent Prosthesis Design. IFMBE Proceedings, 2008, , 187-190.	0.3	15
126	Time-Frequency Analysis of EEG Signals for Human Emotion Detection. IFMBE Proceedings, 2008, , 262-265.	0.3	62

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127	Complex background subtraction for biometric identification. , 2007, , .		4
128	Path planning based on geographical features information for an autonomous mobile robot. Artificial Life and Robotics, 2006, 10, 149-156.	1.2	18
129	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
130	Down Milling Cutting Parameters Optimization Utilizing the Two Level Full Factorial Design Approach. Materials Science Forum, 0, 863, 57-61.	0.3	0
131	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
132	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
133	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
134	Comparison Between Performance of De-ionized Water and Al2O3/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
135	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
136	Performance analysis of Software Defined Network (SDN) in link failure scenario. IOP Conference Series: Materials Science and Engineering, 0, 557, 012028.	0.6	1