Mohd Shahrieel Mohd Aras

List of Publications by Year
in descending order

74 papers	425 citations	1307594 7 h-index	1058476 14 g-index
76 all docs	76 docs citations	76 times ranked	282 citing authors

#	Article	IF	Citations
1	Problem Identification for Underwater Remotely Operated Vehicle (ROV): A Case Study. Procedia Engineering, 2012, 41, 554-560.	1.2	68
2	Application and evaluation of high power Zigbee based wireless sensor network in water irrigation control monitoring system. , 2009, , .		29
3	Tuning Methods of PID Controller for DC Motor Speed Control. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 3, 343.	0.8	25
4	An array of dielectric resonator antenna for wireless application. , 2008, , .		23
5	Local Binary Pattern (LBP) with application to variant object detection: A survey and method. , 2016, , .		20
6	Thruster Modelling for Underwater Vehicle Using System Identification Method. International Journal of Advanced Robotic Systems, 2013, 10, 252.	2.1	19
7	Comparison of Fuzzy Control Rules Using MATLAB Toolbox and Simulink for DC Induction Motor-Speed Control. , 2009, , .		18
8	Dielectric resonator antenna (DRA) for wireless application. , 2008, , .		17
9	Design and Development of Autonomous Pesticide Sprayer Robot for Fertigation Farm. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	13
10	Modelling and Simulation of a Single Phase Grid Connected Using Photovoltaic and Battery Based Power Generation. , 2013, , .		12
11	Object classification and recognition using Bag-of-Words (BoW) model. , 2016, , .		12
12	Design and Development of Remotely Operated Pipeline Inspection Robot. Lecture Notes in Electrical Engineering, 2021, , 15-23.	0.4	10
13	Design and Development of Vibration Method for Vehicle Reverse System (VRS). Procedia Engineering, 2012, 41, 1114-1120.	1.2	9
14	Development of fuzzy logic water bath temperature controller using MATLAB. , 2012, , .		8
15	DEPTH CONTROL OF AN UNDERWATER REMOTELY OPERATED VEHICLE USING NEURAL NETWORK PREDICTIVE CONTROL. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	7
16	GUI Based Control System Analysis using PID Controller for Education. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 3, 91.	0.8	7
17	H-infinity controller with graphical LMI region profile for liquid slosh suppression. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 2636.	0.8	7
18	Design and development of a water bath control system: A virtual laboratory environment. , 2011, , .		6

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19	Analysis performances of Laser Range Finder and blue LED for Autonomous Underwater Vehicle (AUV). , 2016, , .		6
20	PSO Fine-Tuned Model-Free PID Controller with Derivative Filter for Depth Control of Hovering Autonomous Underwater Vehicle. Lecture Notes in Electrical Engineering, 2019, , 3-13.	0.4	6
21	Inverse definite minimum time overcurrent relay coordination using Computer Aided Protection Engineering. , 2010, , .		5
22	THE EFFECTIVENESS OF FISH LENGTH MEASUREMENT SYSTEM USING NON-CONTACT MEASURING APPROACH. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	5
23	Model Identification of an Underwater Remotely Operated Vehicle Using System Identification Approach Based on NNPC. International Review of Automatic Control, 2015, 8, 149.	0.3	5
24	Design and Develop an Autonomous UAV Airship for Indoor Surveillance and Monitoring Applications. International Journal on Informatics Visualization, 2018, 2, 1-7.	0.6	5
25	Performances evaluation and comparison of two algorithms for Fuzzy Logic rice cooking system (MATLAB Fuzzy Logic Toolbox and FuzzyTECH). , 2011, , .		4
26	Tuning Factor the Single Input Fuzzy Logic Controller to Improve the Performances of Depth Control for Underwater Remotely Operated Vehicle. , 2013, , .		4
27	Performance analysis of wireless warning device for upper body level of deaf-blind person. , 2015, , .		4
28	Conceptual design and implementation of electronic spectacle based obstacle detection for visually impaired persons. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0094-JAMDSM0094.	0.7	4
29	Optimization of Single Input Fuzzy Logic Controller Using PSO for Unmanned Underwater Vehicle. Lecture Notes in Electrical Engineering, 2019, , 15-26.	0.4	4
30	Control Strategy for Distributed Integration of Photovoltaic and Battery Energy Storage System in Micro-Grids. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 2415.	0.8	4
31	Design and development of a small scale system for harvesting the lightning stroke using the impulse voltage generator at HV lab, UTeM. , 2010, , .		3
32	Study of the effect in the output membership function when tuning a Fuzzy Logic Controller. , 2011, , .		3
33	PSO-tuned PID controller for coupled tank system via priority-based fitness scheme. AIP Conference Proceedings, 2015, , .	0.4	3
34	Analysis of movement for unmanned underwater vehicle using a low cost integrated sensor. AIP Conference Proceedings, 2015, , .	0.4	3
35	COMPARISON OF DEPTH CONTROL FORM SURFACE AND BOTTOM SET POINT OF AN UNMANNED UNDERWATER REMOTELY OPERATED VEHICLE USING PID CONTROLLER. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Ov		3
36	A study of tuning process of fuzzy logic controller output membership function for AUV-pitch control. , 2017, , .		3

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37	System identification modelling based on modification of all terrain vehicle (ATV) using wireless control system. Journal of Mechanical Engineering and Sciences, 2015, 9, 1640-1654.	0.6	3
38	Fuzzy Logic Implementation with MATLAB for PV-Wind Hybrid System. Telkomnika (Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	3
39	EVOLUTION OF SIMPLE REACTION TYPE TURBINES FOR PICO-HYDRO APPLICATIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	2
40	SYNCHRONIZATION OF COMPASS MODULE WITH PRESSURE AND TEMPERATURE SENSOR SYSTEM FOR AUTONOMOUS UNDERWATER VEHICLE (AUV). Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	2
41	Performances analysis of underwater Remotely Amphibian Vehicle (RAV). , 2016, , .		2
42	Parameter Estimation and Verification of Unmanned Air Cushion Vehicle (UACV) System. MATEC Web of Conferences, 2017, 97, 01069.	0.2	2
43	Small scale underwater drone based on a twin-rotor system. , 2017, , .		2
44	Low cost expansion of unmanned underwater remotely operated crawler (ROC) for pipeline inspection. , 2017, , .		2
45	Model-Free PID Controller Based on Grey Wolf Optimizer for Hovering Autonomous Underwater Vehicle Depth Control. Lecture Notes in Electrical Engineering, 2020, , 25-35.	0.4	2
46	Dynamic Mathematical Design and Modelling of Autonomous Control of All-Terrain Vehicles (ATV) Using System Identification Technique Based on Pitch and Yaw Stability. International Review of Automatic Control, 2015, 8, 140.	0.3	2
47	Design and Development of Auto Depth Control Of Remotely Operated Vehicle using Thruster System. Journal of Mechanical Engineering and Sciences, 2014, 7, 1141-1149.	0.6	2
48	SIMULATING UNDERWATER DEPTH ENVIRONMENT CONDITION USING LIGHTING SYSTEM DESIGN. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	2
49	Performance Analysis of Acceleration Sensor for Movement Detection in Vehicle Security System. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.7	2
50	Design and system parameter's validation of the unicycle mobile robot. , 2012, , .		1
51	Motion control of nonlinear gantry crane system via priority-based fitness scheme in firefly algorithm. AIP Conference Proceedings, 2015, , .	0.4	1
52	Observer based output feedback tuning for underwater remotely operated vehicle based on linear quadratic performance. AIP Conference Proceedings, 2015, , .	0.4	1
53	VISION BASED OF TACTILE PAVING DETECTION METHOD IN NAVIGATION SYSTEM FOR BLIND PERSON. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
54	System identification of a prototype small scale ROV for depth control. , 2015, , .		1

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55	Analysis of integrated sensors for unmanned underwater vehicle application. , 2016, , .		1
56	STUDY ON THE EFFECT OF SHIFTING 'ZERO' IN OUTPUT MEMBERSHIP FUNCTION ON FUZZY LOGIC CONTROLLER OF THE ROV USING MICRO-BOX INTERFACING. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	1
57	Develop and implementation of PC based controller for humanoid robot using digital potentiometer. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 15, 104.	0.8	1
58	An accurate pattern classification for empty fruit bunch based on the age profile of oil palm tree using neural network. International Journal of Electrical and Computer Engineering, 2019, 9, 5636.	0.7	1
59	The investigation on defect recognition system using gaussian smoothing and template matching approach. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 18, 812.	0.8	1
60	Development of DugongBot Underwater Drones Using Open-Source Robotic Platform. Lecture Notes in Electrical Engineering, 2021, , 129-138.	0.4	1
61	Object with symmetrical pattern recognition with dynamic size filter. , 2011, , .		0
62	3DOF small scale underwater manipulator â€" Gripper for unmanned underwater vehicle. , 2017, , .		0
63	An efficient method for early stage detection of diabetic retinopathy. International Journal of Engineering and Technology(UAE), 2017, 7, 414.	0.3	0
64	Analysis of Wind with Battery Connected to Microgrid System. Journal of Physics: Conference Series, 2020, 1529, 042010.	0.4	0
65	DEVELOPMENT AND EVALUATION OF TWO-PARALLEL CRAWLER ROBOT BY USING PROPORTIONAL CONTROLLER. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
66	Voltage and Frequency Control of Microgrid Systems with Demand Response. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
67	Analysis of Microturbine and Battery Storage System in Grid-Connected and Off-Grid Operations. International Review of Automatic Control, 2016, 9, 269.	0.3	0
68	Achieving Thermal Power System Stability Using Load Frequency Controller. Communications in Computer and Information Science, 2017, , 455-467.	0.5	0
69	INSPECTION AND QUALITY CHECKING OF CERAMIC CUP USING MACHINE VISION TECHNIQUE: DESIGN AND ANALYSIS. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
70	Sign Detection Vision Based Mobile Robot Platform. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 7, 524.	0.8	0
71	UTeM Autonomous Underwater Vehicle Competition Initiatives: Project TUAH and PANTHER. Lecture Notes in Electrical Engineering, 2019, , 27-33.	0.4	0
72	Output Power Forecasting for 6kW Thin-Film PV System using Response Surface Methodology. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 68, 143-162.	0.6	0

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73	Decentralized 3D Collision Avoidance System for Unmanned Aerial Vehicle (UAV). Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 446-460.	0.2	0
74	An Improved Portable Shuttlecock Launcher for Training Purposes. International Journal of Advanced Trends in Computer Science and Engineering, 2020, 9, 8590-8598.	0.2	0