

# Estiko Rijanto

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

144  
citations

1937685

4  
h-index

1720034

7  
g-index

35  
all docs

35  
docs citations

35  
times ranked

102  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new design of embedded monitoring system for maintenance and performance monitoring of a cane harvester tractor. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2020, 11, 102-110.	0.3	1
2	A New Approach of EV Modeling and its Control Applications to Reduce Energy Consumption. IEEE Access, 2019, 7, 141209-141225.	4.2	12
3	Dual Carrier PWM Inverter-Fed Nine-Phase AC Motors. , 2019, , .		2
4	Performance comparison of BLDC motor controllers designed based on trapezoidal commutation and FOC. AIP Conference Proceedings, 2019, , .	0.4	1
5	Towards an intelligent reconfigurable BLDC motor controller: Commutation configuration and parameters detection. AIP Conference Proceedings, 2019, , .	0.4	1
6	An ICT Platform Design for Traceability and Big Data Analytics of Sugarcane Harvesting Operation. , 2019, , .		3
7	Experimental Performance Evaluation of Computer Vision for an Upper Limbs Rehabilitation Robot. , 2019, , .		1
8	A Dynamical Model of Full Bridge LLC Resonant Converter Which Incorporates Power Loss Coefficients for Controller Design. , 2018, , .		2
9	Comparison of PID Controller Tuning Methods for Multi PMSM Angular Speed Synchronization. , 2018, , .		2
10	Implementation IBEV Model and Its Speed Control Applications in Molina ITB for Energy Efficiency. , 2018, , .		1
11	Energy Efficient Speed Control using IBEV Model in an EV Testbed Platform. , 2018, , .		4
12	RLS with optimum multiple adaptive forgetting factors for SoC and SoH estimation of Li-Ion battery. , 2017, , .		10
13	Trends in robot assisted endovascular catheterization technology: A review. , 2017, , .		2
14	Torque control using integrated battery-electric vehicle model with flexible shaft. , 2017, , .		4
15	A new speed synchronization technique for a three PMSM. , 2017, , .		4
16	Comparison between RLS-GA and RLS-PSO for Li-ion battery SOC and SOH estimation: a simulation study. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2017, 8, 40-49.	0.3	11
17	Buck Converter Control for Lead Acid Battery Charger using Peak Current Mode. International Journal of Power Electronics and Drive Systems, 2017, 8, 686.	0.6	1
18	Perancangan Rem Linier Memakai Fluida MR dengan Kendali Arus Listrik Berbasis Fungsi Linier. Jurnal Rekayasa Elekrika, 2017, 13, 179.	0.3	0

#	ARTICLE	IF	CITATIONS
19	SOC estimation for Li-ion battery using optimum RLS method based on genetic algorithm. , 2016, , .		8
20	Accuracy analysis of geometrical and numerical approaches for two degrees of freedom robot manipulator. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2016, 7, 105-112.	0.3	0
21	Recent results of robotics R & D in the Indonesian Institute of Sciences: Mobile robot, articulated robot, pan tilt mechanism, and object recognition. , 2015, , .		0
22	Battery state of charge estimation by using a combination of Coulomb Counting and dynamic model with adjusted gain. , 2015, , .		33
23	Algorithm of 32-bit Data Transmission Among Microcontrollers Through an 8-bit Port. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2015, 6, 75-82.	0.3	0
24	Design and Implementation of Controller for Boost DC-DC Converter Using PI-LPF Based on Small Signal Model. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2015, 6, 105-112.	0.3	3
25	Design and implementation of heuristic intelligent attack algorithm in robot soccer system small size league. , 2014, , .		2
26	Design of Vibration Absorber using Spring and Rubber for Armored Vehicle 5.56 mm Caliber Rifle. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2014, 5, 75-82.	0.3	1
27	Application of reinforcement learning on self-tuning PID controller for soccer robot multi-agent system. , 2013, , .		9
28	Development of CSP Plants in Wallacea Region: Solar Intensity Resource Assessment and CSP Plant Design Specification. Energy Procedia, 2013, 32, 232-241.	1.8	3
29	Client Server System for MiroSot Robot Soccer. Communications in Computer and Information Science, 2013, , 161-169.	0.5	1
30	IMU Application in Measurement of Vehicle Position and Orientation for Controlling a Pan-Tilt Mechanism. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2013, 4, 41-50.	0.3	4
31	Grammatical Evolution Algorithm for Position Prediction of the Ball in Robot-Soccer Goal Keeper Optimization. Communications in Computer and Information Science, 2013, , 147-160.	0.5	1
32	Object Recognition System in Remote Controlled Weapon Station using SIFT and SURF Methods. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2013, 4, 99-108.	0.3	8
33	Single phase boost inverter using hybrid modelling approach. , 2012, , .		2
34	Analysis of Inverse Angle Method for Controlling Two Degree of Freedom Manipulator. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2012, 3, 9-16.	0.3	4
35	Rancang Bangun Sistem Kontrol Mekanisme Pelacakan Matahari Beserta Fasilitas Telekontrol Hemat Energi. Journal of Mechatronics, Electrical Power, and Vehicular Technology, 2011, 2, 31-40.	0.3	3