Addie Irawan

List of Publications by Year
in descending order

35 papers	253 citations	1478505 6 h-index	1058476 14 g-index
37 all docs	37 docs citations	37 times ranked	127 citing authors

#	Article	IF	Citations
1	Optimal Cornering for Rack Steering Vehicle using Adaptive Torque-Based Vehicle Slip Control. , 2022, , .		0
2	Transient Control Improvement on Pneumatic Servoing in Robot System using Fractional-Order PID with Finite-time Prescribed Performance Control. , 2022, , .		1
3	Robust super-twisting sliding mode controller for the lateral and longitudinal dynamics of rack steering vehicle. Bulletin of Electrical Engineering and Informatics, 2022, 11, 1882-1891.	0.8	2
4	Enhancing Precision on Pneumatic Actuator Positioning using Cascaded Finite-time Prescribed Performance Control. , 2021, , .		2
5	Self-tuning hybrid fuzzy sliding surface control for pneumatic servo system positioning. Control Engineering Practice, 2021, 113, 104838.	5.5	18
6	Cascade Control Strategy on Servo Pneumatic System with Fuzzy Self-Adaptive System. Journal of Control, Automation and Electrical Systems, 2020, 31, 1412-1425.	2.0	10
7	Fuzzy Self-Adaptive Sliding Mode Control for Pneumatic Cylinder Rod-Piston Motion Precision Control.. Journal of Physics: Conference Series, 2020, 1532, 012028.	0.4	6
8	Finite-Time Prescribed Performance Control for Dynamic Positioning of Pneumatic Servo System. , 2020, , .		1
9	Interaction Motion on Pneumatic Cylinder using Prescribed Performance Force Tracking Impedance Control. , 2020, , .		3
10	Fuzzy Self-Adaptive PID for Pneumatic Piston Rod Motion Control. , 2019, , .		8
11	PSpHT-II: A Water Strider-Like Robot with Cylindrical Footpad. Lecture Notes in Electrical Engineering, 2019, , 99-112.	0.4	3
12	Impedance control on rack steering vehicle for inertia shaping on cornering track. International Journal of Dynamics and Control, 2019, 7, 1434-1442.	2.5	2
13	Labelâ€<scp>QoS</scp> switching protocol for quality of service assurance in dynamic swarm robot local network. International Journal of Communication Systems, 2018, 31, e3565.	2.5	2
14	Steering Vehicle with Force-based Impedance Control for Inertia Reduction. , 2018, , .		2
15	Vision-based Alignment Control for Mini Forklift System in Confine Area Operation. , 2018, , .		4
16	Omnidirectional configuration and control approach on mini heavy loaded forklift autonomous guided vehicle. MATEC Web of Conferences, 2017, 90, 01077.	0.2	3
17	Forkloader Position Control for A Mini Heavy Loaded Vehicle using Fuzzy Logic-Antiwindup Control. Telkomnika (Telecommunication Computing Electronics and Control), 2017, 15, 739.	0.8	1
18	Reconfigurable foot-to-gripper leg for underwater bottom operator, Hexaquad. , 2016, , .		4

#	Article	IF	Citations
19	PD-FLC with admittance control for hexapod robot's leg positioning on seabed. , 2015, , .		8
20	CENTER OF MASS-BASED ADMITTANCE CONTROL FOR MULTI-LEGGED ROBOT WALKING ON THE BOTTOM OF OCEAN. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	0
21	Hydraulically Actuated Hexapod Robots. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , .	0.5	21
22	Kinematics, Navigation, and Path Planning of Hexapod Robot. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 85-104.	0.5	2
23	PSpHT a water strider-like robot for water inspection: Framework and control architecture. , 2014, , .		3
24	Control input converter for robot's leg joint with parallel actuation configuration. , 2014, , .		2
25	Fully Autonomous Locomotion Control of Hexapod Robot with LRF. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 237-261.	0.5	0
26	Optimal Impedance Control with TSK-Type FLC for Hard Shaking Reduction on Hydraulically Driven Hexapod Robot. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 223-236.	0.5	3
27	Force Threshold-Based Omni-directional Movement for Hexapod Robot Walking on Uneven Terrain. , 2012, , .		8
28	A Fast Discrete Gravitational Search Algorithm. , 2012, , .		19
29	Adaptive Impedance Control with Compliant Body Balance for Hydraulically Driven Hexapod Robot. Journal of System Design and Dynamics, 2011, 5, 893-908.	0.3	16
30	Optimal impedance control based on body inertia for a hydraulically driven hexapod robot walking on uneven and extremely soft terrain. Journal of Field Robotics, 2011, 28, 690-713.	6.0	65
31	Compliant Walking Control for Hydraulic Driven Hexapod Robot on Rough Terrain. Journal of Robotics and Mechatronics, 2011, 23, 149-162.	1.0	30
32	2B17 Adaptive Impedance Control with Compliant Body Balance for Hydraulic-actuated Hexapod Robot. The Proceedings of the Symposium on the Motion and Vibration Control, 2010, 2010, _2B17-1_-_2B17-15_.	0.0	1
33	FORCE-BASED WALKING WITH IMPEDANCE CONTROL FOR HYDRAULIC DRIVEN HEXAPOD ROBOT. , 2010, , .		1
34	Implementation of label switching for distributed control in instrumentation system. , 2008, , .		0
35	A proposal of antenna positioner implementation on a moving vehicle for Geosynchronous Satellite system. , 2008, , .		2