

Addie Irawan

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

253
citations

1478505

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1058476

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all docs

37
docs citations

37
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal impedance control based on body inertia for a hydraulically driven hexapod robot walking on uneven and extremely soft terrain. <i>Journal of Field Robotics</i> , 2011, 28, 690-713.	6.0	65
2	Compliant Walking Control for Hydraulic Driven Hexapod Robot on Rough Terrain. <i>Journal of Robotics and Mechatronics</i> , 2011, 23, 149-162.	1.0	30
3	Hydraulically Actuated Hexapod Robots. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2014, , .	0.5	21
4	A Fast Discrete Gravitational Search Algorithm. , 2012, , .		19
5	Self-tuning hybrid fuzzy sliding surface control for pneumatic servo system positioning. <i>Control Engineering Practice</i> , 2021, 113, 104838.	5.5	18
6	Adaptive Impedance Control with Compliant Body Balance for Hydraulically Driven Hexapod Robot. <i>Journal of System Design and Dynamics</i> , 2011, 5, 893-908.	0.3	16
7	Cascade Control Strategy on Servo Pneumatic System with Fuzzy Self-Adaptive System. <i>Journal of Control, Automation and Electrical Systems</i> , 2020, 31, 1412-1425.	2.0	10
8	Force Threshold-Based Omni-directional Movement for Hexapod Robot Walking on Uneven Terrain. , 2012, , .		8
9	PD-FLC with admittance control for hexapod robot's leg positioning on seabed. , 2015, , .		8
10	Fuzzy Self-Adaptive PID for Pneumatic Piston Rod Motion Control. , 2019, , .		8
11	Fuzzy Self-Adaptive Sliding Mode Control for Pneumatic Cylinder Rod-Piston Motion Precision Control.. <i>Journal of Physics: Conference Series</i> , 2020, 1532, 012028.	0.4	6
12	Reconfigurable foot-to-gripper leg for underwater bottom operator, Hexaquad. , 2016, , .		4
13	Vision-based Alignment Control for Mini Forklift System in Confine Area Operation. , 2018, , .		4
14	PSPHT a water strider-like robot for water inspection: Framework and control architecture. , 2014, , .		3
15	Omnidirectional configuration and control approach on mini heavy loaded forklift autonomous guided vehicle. <i>MATEC Web of Conferences</i> , 2017, 90, 01077.	0.2	3
16	PSPHT-II: A Water Strider-Like Robot with Cylindrical Footpad. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 99-112.	0.4	3
17	Optimal Impedance Control with TSK-Type FLC for Hard Shaking Reduction on Hydraulically Driven Hexapod Robot. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2013, , 223-236.	0.5	3
18	Interaction Motion on Pneumatic Cylinder using Prescribed Performance Force Tracking Impedance Control. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	A proposal of antenna positioner implementation on a moving vehicle for Geosynchronous Satellite system. , 2008, , .		2
20	Kinematics, Navigation, and Path Planning of Hexapod Robot. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 85-104.	0.5	2
21	Control input converter for robot's leg joint with parallel actuation configuration. , 2014, , .		2
22	Labelâ€œQoS switching protocol for quality of service assurance in dynamic swarm robot local network. International Journal of Communication Systems, 2018, 31, e3565.	2.5	2
23	Steering Vehicle with Force-based Impedance Control for Inertia Reduction. , 2018, , .		2
24	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
25	Enhancing Precision on Pneumatic Actuator Positioning using Cascaded Finite-time Prescribed Performance Control. , 2021, , .		2
26	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
27	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
28	FORCE-BASED WALKING WITH IMPEDANCE CONTROL FOR HYDRAULIC DRIVEN HEXAPOD ROBOT. , 2010, , .		1
29	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
30	Finite-Time Prescribed Performance Control for Dynamic Positioning of Pneumatic Servo System. , 2020, , .		1
31	Transient Control Improvement on Pneumatic Servoing in Robot System using Fractional-Order PID with Finite-time Prescribed Performance Control. , 2022, , .		1
32	Implementation of label switching for distributed control in instrumentation system. , 2008, , .		0
33	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
34	Fully Autonomous Locomotion Control of Hexapod Robot with LRF. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 237-261.	0.5	0
35	Optimal Cornering for Rack Steering Vehicle using Adaptive Torque-Based Vehicle Slip Control. , 2022, , .		0