

Wang Junzheng

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,233
citations

361413

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377865

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48
all docs

48
docs citations

48
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural fuzzy approximation enhanced autonomous tracking control of the wheel-legged robot under uncertain physical interaction. <i>Neurocomputing</i> , 2020, 410, 342-353.	5.9	114
2	Fuzzy-Torque Approximation-Enhanced Sliding Mode Control for Lateral Stability of Mobile Robot. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 2491-2500.	9.3	108
3	Toward Event-Triggered Extended State Observer. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1842-1849.	5.7	86
4	Control strategy of stable walking for a hexapod wheel-legged robot. <i>ISA Transactions</i> , 2021, 108, 367-380.	5.7	86
5	OpenStreetMap-Based Autonomous Navigation for the Four Wheel-Legged Robot Via 3D-Lidar and CCD Camera. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 2708-2717.	7.9	86
6	Building and optimization of 3D semantic map based on Lidar and camera fusion. <i>Neurocomputing</i> , 2020, 409, 394-407.	5.9	72
7	Event-Triggered Active Disturbance Rejection Control of DC Torque Motors. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 2277-2287.	5.8	69
8	Flexible gait transition for six wheel-legged robot with unstructured terrains. <i>Robotics and Autonomous Systems</i> , 2022, 150, 103989.	5.1	63
9	Neural Approximation-based Model Predictive Tracking Control of Non-holonomic Wheel-legged Robots. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 372-381.	2.7	43
10	Neural networks-based sliding mode tracking control for the four wheel-legged robot under uncertain interaction. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 4306-4323.	3.7	40
11	Human-robot skill transmission for mobile robot via learning by demonstration. <i>Neural Computing and Applications</i> , 2023, 35, 23441-23451.	5.6	37
12	Observer-Based Robust Control of 6-DOF Parallel Electrical Manipulator With Fast Friction Estimation. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016, 13, 1399-1408.	5.2	35
13	A High-Gain Approach to Event-Triggered Control With Applications to Motor Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 6281-6291.	7.9	32
14	Event-Triggered Sampled-Data Control: An Active Disturbance Rejection Approach. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 2052-2063.	5.8	31
15	Cooperative attitude control for a wheel-legged robot. <i>Peer-to-Peer Networking and Applications</i> , 2019, 12, 1741-1752.	3.9	29
16	Compound control for energy management of the hybrid ultracapacitor-battery electric drive systems. <i>Energy</i> , 2019, 175, 309-319.	8.8	27
17	Performance Assessment of Discrete-Time Extended State Observers: Theoretical and Experimental Results. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018, 65, 2256-2268.	5.4	25
18	Virtual Model Control for Quadruped Robots. <i>IEEE Access</i> , 2020, 8, 140736-140751.	4.2	24

#	ARTICLE	IF	CITATIONS
19	Compliance control for a hydraulic bouncing system. ISA Transactions, 2018, 79, 232-238.	5.7	23
20	MDRNet: a lightweight network for real-time semantic segmentation in street scenes. Assembly Automation, 2021, 41, 725-733.	1.7	22
21	Indirect adaptive robust dynamic surface control in separate meter-in and separate meter-out control system. Nonlinear Dynamics, 2017, 90, 951-970.	5.2	19
22	Stability-Guaranteed and High Terrain Adaptability Static Gait for Quadruped Robots. Sensors, 2020, 20, 4911.	3.8	18
23	Coordinated Motion Control for a Wheel-Leg Robot with Speed Consensus Strategy. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	5.8	18
24	Fractional Order Impedance Control. IEEE Access, 2020, 8, 48904-48916.	4.2	14
25	Event-triggered attitude tracking for rigid spacecraft. Science China Information Sciences, 2019, 62, 1.	4.3	13
26	Towards Broad Learning Networks on Unmanned Mobile Robot for Semantic Segmentation. , 2022, , .		12
27	On convergence of extended state observers for discrete-time nonlinear systems. , 2015, , .		11
28	Proportional-Integral Event-Triggered Control of Networked Systems With Unmatched Uncertainties. IEEE Transactions on Industrial Electronics, 2022, 69, 9320-9330.	7.9	9
29	A Distributed Strategy to Attitude Following of the Multi-DOF Parallel Electrical Manipulator Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 1630-1640.	7.9	8
30	Hybrid Obstacle-Surmounting Gait for Hexapod Wheel-Legged Robot in Special Terrain. , 2021, , .		7
31	Towards extreme learning machine framework for lane detection on unmanned mobile robot. Assembly Automation, 2022, 42, 361-371.	1.7	7
32	PDBNet: Parallel Dual Branch Network for Real-time Semantic Segmentation. International Journal of Control, Automation and Systems, 2022, 20, 2702-2711.	2.7	7
33	Gait Planning and Control of Hexapod Robot Based on Velocity Vector. , 2021, , .		6
34	CPG-Inspired Gait Generation and Transition Control for Six Wheel-legged Robot. , 2021, , .		6
35	Hybrid modelling for leak detection of long-distance gas transport pipeline. Insight: Non-Destructive Testing and Condition Monitoring, 2013, 55, 372-381.	0.6	4
36	Compliance Control and Analysis for Equivalent Hydraulic Legs. IEEE Access, 2020, 8, 145661-145671.	4.2	4

#	ARTICLE	IF	CITATIONS
37	Coordinated motion control and event-based obstacle-crossing for four wheel-leg independent motor-driven robotic system. <i>Mechatronics</i> , 2022, 81, 102697.	3.3	4
38	Nonparameteric Event-Triggered Learning With Applications to Adaptive Model Predictive Control. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 3469-3484.	5.7	4
39	Coordinated Motion Control for a Six-wheel-drive Skid-steering Mobile Robot. , 2021, , .		3
40	Speed consensus control for a parallel six-wheel-legged robot on uneven terrain. <i>ISA Transactions</i> , 2022, 129, 628-641.	5.7	3
41	Path Tracking Control of Tracked Paver Based on Improved Pure Pursuit Algorithm. , 2021, , .		2
42	Cross-Coupled Control for Three-Axis Turntable Target Tracking System. , 2006, , .		1
43	Event-Triggered Active Disturbance Rejection Control. <i>Studies in Systems, Decision and Control</i> , 2021, , 81-103.	1.0	0
44	Event-Triggered ADRC for Electric Cylinders with PD-Type Event-Triggering Conditions. <i>Studies in Systems, Decision and Control</i> , 2021, , 161-182.	1.0	0
45	Event-Triggered Extended State Observer. <i>Studies in Systems, Decision and Control</i> , 2021, , 61-79.	1.0	0
46	A Novel Fractional Order Impedance Control and Its Performance Analysis. , 2021, , .		0
47	Stewart-Inspired Posture Control for a UAV Undertaking Platform Based on Dynamic Model Predictive Control. , 2021, , .		0