

Fei Fan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

222
citations

1307366

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1058333

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14
times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Method of Autonomous Inspection for Transmission Line based on Cable Inspection Robot LiDAR Data. <i>Sensors</i> , 2018, 18, 596.	2.1	42
2	Key target and defect detection of high-voltage power transmission lines with deep learning. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 142, 108277.	3.3	32
3	Multi-Robot Cyber Physical System for Sensing Environmental Variables of Transmission Line. <i>Sensors</i> , 2018, 18, 3146.	2.1	28
4	Detecting Inspection Objects of Power Line from Cable Inspection Robot LiDAR Data. <i>Sensors</i> , 2018, 18, 1284.	2.1	26
5	Overhead ground wire detection by fusion global and local features and supervised learning method for a cable inspection robot. <i>Sensor Review</i> , 2018, 38, 376-386.	1.0	20
6	Dynamic Barrier Coverage in a Wireless Sensor Network for Smart Grids. <i>Sensors</i> , 2019, 19, 41.	2.1	20
7	Robot Delay-Tolerant Sensor Network for Overhead Transmission Line Monitoring. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 847.	1.3	17
8	Robust motion control of live-line maintenance robot mechanical arm for high-voltage transmission line based on H ∞ theory. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 951-967.	1.1	8
9	Autonomous location control of a robot manipulator for live maintenance of high-voltage transmission lines. <i>Industrial Robot</i> , 2017, 44, 671-686.	1.2	6
10	Image Enhancement for Inspection of Cable Images Based on Retinex Theory and Fuzzy Enhancement Method in Wavelet Domain. <i>Symmetry</i> , 2018, 10, 570.	1.1	6
11	Dynamic Network Topology Control of Branch-Trimming Robot for Transmission Lines. <i>Electronics (Switzerland)</i> , 2019, 8, 549.	1.8	6
12	Structure singular value theory based robust motion control of live maintenance robot with reconfigurable terminal function for high voltage transmission line. <i>International Journal of Advanced Robotic Systems</i> , 2018, 15, 172988141876227.	1.3	5
13	A Robot Hybrid Hierarchical Network for Sensing Environmental Variables of a Smart Grid. <i>Sensors</i> , 2020, 20, 5521.	2.1	4
14	Rigid-flexible coupling dynamics with contact estimator for robot/PTL system. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2020, 234, 635-649.	0.5	2