Fei Fan

List of Publications by Year
in descending order

14 papers	**222** citations	1307366 **7** h-index	1058333 **14** g-index
14 all docs	**14** docs citations	**14** times ranked	**151** citing authors

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