

Moussa Kafal

List of Publications by Year in descending order

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docs citations

18
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138
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault Diagnosis for Electrical Systems and Power Networks: A Review. IEEE Sensors Journal, 2021, 21, 888-906.	4.7	110
2	Locating Faults With High Resolution Using Single-Frequency TR-MUSIC Processing. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2342-2348.	4.7	50
3	Locating Multiple Soft Faults in Wire Networks Using an Alternative DORT Implementation. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 399-406.	4.7	44
4	An Effective Method Based on Time Reversal and Optimization Techniques for Locating Faults on Power Grids. IEEE Sensors Journal, 2021, 21, 1092-1099.	4.7	14
5	A joint reflectometry-optimization algorithm for mapping the topology of an unknown wire network. , 2017, , .		11
6	A Non Destructive Reflectometry Based Method for the Location and Characterization of Incipient Faults in Complex Unknown Wire Networks. , 2018, , .		9
7	An efficient technique based on DORT method to locate multiple soft faults in wiring networks. IEEE Instrumentation and Measurement Magazine, 2016, 19, 10-14.	1.6	8
8	Constructing the topology of complex wire networks using reflectometry response and newton-based optimization algorithms. , 2017, , .		8
9	Multifrequency TR-MUSIC Processing to Locate Soft Faults in Cables Subject to Noise. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 411-418.	4.7	8
10	An efficient technique based on DORT method to locate multiple soft faults in wiring networks. , 2015, , .		6
11	Blind diagnosis of a black-boxed fully-loaded wiring network for configuration structuring and fault monitoring. , 2018, , .		4
12	Pilot Tests of FasTR Method for Locating Transient Faults in Medium Voltage Underground Power Networks. IEEE Sensors Journal, 2021, 21, 8510-8519.	4.7	4
13	An enhanced DORT approach for locating multiple soft-faults in complex wire networks. , 2015, , .		3
14	On the Implementation of Embedded Communication over Reflectometry-oriented Hardware for Distributed Diagnosis in Complex Wiring Networks. , 2018, , .		3
15	Enhancing the Spatial Resolution for Wire Fault Detection Systems Using Multi-Carrier Signals. IEEE Sensors Journal, 2018, 18, 9857-9866.	4.7	3
16	Time Reversal Applied to Multi-Carrier Reflectometry for On-line Diagnosis in Complex Wiring Systems. , 2018, , .		2
17	On the phase analysis of multi-carrier signals for high-precision fault detection by reflectometry. , 2017, , .		1
18	A Performance Analysis of Optimization Algorithms for Wiring Network Reconstruction and Diagnosis based on Reflectometry. , 2019, , .		1