

Lucia Frosini

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

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1684188

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2053705

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16
all docs

16
docs citations

16
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction Machine Bearing Fault Detection by Means of Statistical Processing of the Stray Flux Measurement. IEEE Transactions on Industrial Electronics, 2015, 62, 1846-1854.	7.9	217
2	A novel approach to detect short circuits in low voltage induction motor by stray flux measurement. , 2012, , .		63
3	Novel Diagnostic Techniques for Rotating Electrical Machinesâ€™A Review. Energies, 2020, 13, 5066.	3.1	35
4	Convolutional Neural Networks for Automated Rolling Bearing Diagnostics in Induction Motors Based on Electromagnetic Signals. Applied Sciences (Switzerland), 2021, 11, 7878.	2.5	15
5	A new diagnostic instrument to detect generalized roughness in rolling bearings for induction motors. , 2015, , .		12
6	Monitoring and Diagnostics of Electrical Machines and Drives: a State of the Art. , 2019, , .		12
7	Bearing faults detection in induction machines based on statistical processing of the stray fluxes measurements. , 2013, , .		9
8	Analysis and Design of Innovative Magnetic Wedges for High Efficiency Permanent Magnet Synchronous Machines. Energies, 2020, 13, 255.	3.1	8
9	Multiple faults detection in low voltage inverter-fed induction motors. , 2019, , .		6
10	A Multisensor Induction Motors Diagnostics Method for Bearing Cyclic Fault. , 2020, , .		6
11	A New Design Procedure for Rotor Laminations of Synchronous Reluctance Machines with Fluid Shaped Barriers. Electronics (Switzerland), 2022, 11, 134.	3.1	6
12	Linear discriminant analysis for an automatic detection of stator faults in induction motor drives. , 2017, , .		5
13	Detection of torque oscillations in induction motor drives by linear discriminant analysis. , 2017, , .		4
14	An Optimization Procedure for a Synchronous Reluctance Machine with Fluid Shaped Flux Barriers. , 2020, , .		4
15	Induction machine bearing faults detection based on artificial neural network. , 2013, , .		3
16	Detectability study of broken rotor bars in induction motors at different loads and supplies. , 2019, , .		1