

S L Avila

List of Publications by Year in descending order

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papers

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277
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis of rotating machine unbalance using machine learning algorithms on vibration orbital features. JVC/Journal of Vibration and Control, 2021, 27, 468-476.	2.6	10
2	Artificial Neural Networks and Machine Learning techniques applied to Ground Penetrating Radar: A review. Applied Computing and Informatics, 2021, 17, 296-308.	5.9	62
3	A trip-ahead strategy for optimal energy dispatch in ship power systems. Electric Power Systems Research, 2021, 192, 106917.	3.6	13
4	Rotor Unbalance Kind and Severity Identification by Current Signature Analysis with Adaptative Update to Multiclass Machine Learning Algorithms. Studies in Engineering and Technology, 2021, 8, 28.	0.2	1
5	Electromagnetic Field Exposure Assessment in a Multi Source Telecommunication Environment. Wireless Personal Communications, 2020, 110, 2213-2225.	2.7	3
6	Magnetic Hysteresis Under Compressive Stress: A Multiscale-Jiles' Atherton Approach. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	11
7	A Review of Ground Penetrating Radar Antenna Design and Optimization. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2018, 17, 385-402.	0.7	27
8	Conductor Position Optimization of a Transmission Line Excitation Chamber. IEEE Transactions on Magnetics, 2010, 46, 3261-3264.	2.1	0
9	Maximum Working Volume Evaluation in a Non-Canonical Reverberation Chamber. IEEE Transactions on Magnetics, 2009, 45, 1646-1649.	2.1	3
10	Sensitivity analysis applied to decision making in multiobjective evolutionary optimization. IEEE Transactions on Magnetics, 2006, 42, 1103-1106.	2.1	23
11	Optimal configurations for perfectly matched layers in FDTD simulations. IEEE Transactions on Magnetics, 2006, 42, 563-566.	2.1	8
12	Real Coded Genetic Algorithm for Jiles' Atherton Model Parameters Identification. IEEE Transactions on Magnetics, 2004, 40, 888-891.	2.1	86
13	Optimization of an Offset Reflector Antenna Using Genetic Algorithms. IEEE Transactions on Magnetics, 2004, 40, 1256-1259.	2.1	31
14	Multi-objective optimization of bow-tie antennas for radar assessment of concrete structure. , 0, , .		1
15	Diagnosis of Unbalance in Lightweight Rotating Machines Using a Recurrent Neural Network Suitable for an Edge-Computing Framework. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	9