Ram Machlev

List of Publications by Year
in descending order

15 papers	**455** citations	933264 **10** h-index	1199470 **12** g-index
15 all docs	**15** docs citations	**15** times ranked	**377** citing authors

#	Article	IF	Citations
1	Measuring Explainability and Trustworthiness of Power Quality Disturbances Classifiers Using XAI—Explainable Artificial Intelligence. IEEE Transactions on Industrial Informatics, 2022, 18, 5127-5137.	7.2	20
2	Explainable Artificial Intelligence (XAI) techniques for energy and power systems: Review, challenges and opportunities. Energy and AI, 2022, 9, 100169.	5.8	97
3	Explainable AI based Fault Detection and Diagnosis System for Air Handling Units. , 2022, , .		1
4	Effects of the COVID-19 Pandemic on Energy Systems and Electric Power Grids—A Review of the Challenges Ahead. Energies, 2021, 14, 1056.	1.6	65
5	Virtual Inertia Control Methods in Islanded Microgrids. Energies, 2021, 14, 1562.	1.6	23
6	Uses of the digital twins concept for energy services, intelligent recommendation systems, and demand side management: A review. Energy Reports, 2021, 7, 997-1015.	2.5	81
7	Applications of Game Theory to Design and Operation of Modern Power Systems: A Comprehensive Review. Energies, 2020, 13, 3982.	1.6	25
8	Readiness of Small Energy Markets and Electric Power Grids to Global Health Crises: Lessons From the COVID-19 Pandemic. IEEE Access, 2020, 8, 127234-127243.	2.6	37
9	Dimension reduction for NILM classification based on principle component analysis. Electric Power Systems Research, 2020, 187, 106459.	2.1	22
10	Verification of Utility-Scale Solar Photovoltaic Plant Models for Dynamic Studies of Transmission Networks. Energies, 2020, 13, 3191.	1.6	10
11	MO-NILM: A multi-objective evolutionary algorithm for NILM classification. Energy and Buildings, 2019, 199, 134-144.	3.1	32
12	Harmonic Loads Classification by Means of Currents' Physical Components. Energies, 2019, 12, 4137.	1.6	3
13	Modified Cross-Entropy Method for Classification of Events in NILM Systems. IEEE Transactions on Smart Grid, 2019, 10, 4962-4973.	6.2	39
14	Nearest Neighbor MPPT with Cross-Entropy Method optimization. , 2018, , .		0
15	ARPM: Additive, Retentive Penalty Method for Multidimensional NILM Algorithms. , 2018, , .		0