

Maria Simona Raboaca

List of Publications by Year in descending order

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66
papers

1,120
citations

471061

17
h-index

433756

31
g-index

69
all docs

69
docs citations

69
times ranked

783
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview and performance evaluation of open charge point protocol from an electromobility concept perspective. International Journal of Energy Research, 2022, 46, 523-543.	2.2	9
2	Hybrid Energy Systems for Power of Sustainable Buildings. Case Study: A Renewable Energy Based on-Site Green Electricity Production. , 2022, , 420-436.		3
3	Super Resolution for Noisy Images Using Convolutional Neural Networks. Mathematics, 2022, 10, 777.	1.1	1
4	Improved Security of E-Healthcare Images Using Hybridized Robust Zero-Watermarking and Hyper-Chaotic System along with RSA. Mathematics, 2022, 10, 1071.	1.1	22
5	Electric Vehicle Smart Charging Reservation Algorithm. Sensors, 2022, 22, 2834.	2.1	6
6	Stochastic Neural Networks-Based Algorithmic Trading for the Cryptocurrency Market. Mathematics, 2022, 10, 1456.	1.1	4
7	Smart Scheduling of Electric Vehicles Based on Reinforcement Learning. Sensors, 2022, 22, 3718.	2.1	8
8	Log Transformed Coherency Matrix for Differentiating Scattering Behaviour of Oil Spill Emulsions Using SAR Images. Mathematics, 2022, 10, 1697.	1.1	1
9	GrAb: A Deep Learning-Based Data-Driven Analytics Scheme for Energy Theft Detection. Sensors, 2022, 22, 4048.	2.1	9
10	Blockchain for Future Wireless Networks: A Decade Survey. Sensors, 2022, 22, 4182.	2.1	8
11	Blockchain-based electric vehicle charging reservation scheme for optimum pricing. International Journal of Energy Research, 2022, 46, 14994-15007.	2.2	11
12	XAI-Fall: Explainable AI for Fall Detection on Wearable Devices Using Sequence Models and XAI Techniques. Mathematics, 2022, 10, 1990.	1.1	9
13	Blockchain-Based Peer-to-Peer Transactive Energy Management Scheme for Smart Grid System. Sensors, 2022, 22, 4826.	2.1	24
14	Delegated Proof of Accessibility (DPoAC): A Novel Consensus Protocol for Blockchain Systems. Mathematics, 2022, 10, 2336.	1.1	11
15	Face Spoofing, Age, Gender and Facial Expression Recognition Using Advance Neural Network Architecture-Based Biometric System. Sensors, 2022, 22, 5160.	2.1	49
16	Design and Experience of Mobile Applications: A Pilot Survey. Mathematics, 2022, 10, 2380.	1.1	10
17	OPAL-RT Technology Used in Automotive Applications for PEMFC. Power Systems, 2021, , 443-464.	0.3	0
18	Considerations Regarding the Green Retrofitting of Residential Buildings From Human Wellbeing Perspectives. , 2021, , 274-307.		0

#	ARTICLE	IF	CITATIONS
19	Optimal energy management strategies for the electric vehicles compiling bibliometric maps. International Journal of Energy Research, 2021, 45, 10129-10172.	2.2	12
20	Methods for Improving Image Quality for Contour and Textures Analysis Using New Wavelet Methods. Applied Sciences (Switzerland), 2021, 11, 3895.	1.3	3
21	Intelligent charging station in <sc>5G</sc> environments: Challenges and perspectives. International Journal of Energy Research, 2021, 45, 16418-16435.	2.2	8
22	Computational Statistics and Machine Learning Techniques for Effective Decision Making on Studentâ€™s Employment for Real-Time. Mathematics, 2021, 9, 1166.	1.1	11
23	Optimal Synergy between Photovoltaic Panels and Hydrogen Fuel Cells for Green Power Supply of a Green Buildingâ€™A Case Study. Sustainability, 2021, 13, 6304.	1.6	11
24	Design and Numerical Implementation of V2X Control Architecture for Autonomous Driving Vehicles. Mathematics, 2021, 9, 1696.	1.1	7
25	Fuell cell/ Photovoltaic panels/ Wind turbines Hybrid Systems analysed through bibliometric maps. , 2021, , .		2
26	Design Development and Analysis of a Partially Superconducting Axial Flux Motor Using YBCO Bulks. Materials, 2021, 14, 4295.	1.3	3
27	Efficient Rice-Husk-Derived Silica Nanocatalysts for Organic Dye Removal from Water. Catalysts, 2021, 11, 815.	1.6	13
28	Sewage Sludge Derived Materials for CO2 Adsorption. Applied Sciences (Switzerland), 2021, 11, 7139.	1.3	19
29	An Analytical Solution for Non-Linear Viscoelastic Impact. Mathematics, 2021, 9, 1849.	1.1	2
30	Coal Fly Ash Derived Silica Nanomaterial for MMMsâ€™Application in CO2/CH4 Separation. Membranes, 2021, 11, 78.	1.4	27
31	Energy Storage Systems. Advances in Computer and Electrical Engineering Book Series, 2021, , 105-138.	0.2	0
32	Overview Regarding Synthetic Gas Production by Biomass Gasification. Advances in Computer and Electrical Engineering Book Series, 2021, , 70-104.	0.2	0
33	Fuel Cell Electric Vehiclesâ€™A Brief Review of Current Topologies and Energy Management Strategies. Energies, 2021, 14, 252.	1.6	141
34	Cardiac Diagnostic Feature and Demographic Identification (CDF-DI): An IoT Enabled Healthcare Framework Using Machine Learning. Sensors, 2021, 21, 6584.	2.1	11
35	Design Patterns and Electric Vehicle Charging Software. Applied Sciences (Switzerland), 2021, 11, 140.	1.3	2
36	Environmental impact assessment of green energy systems for power supply of electric vehicle charging station. International Journal of Energy Research, 2020, 44, 10471-10494.	2.2	44

#	ARTICLE	IF	CITATIONS
37	Improving the Fuel Economy and Battery Lifespan in Fuel Cell/Renewable Hybrid Power Systems Using the Power-Following Control of the Fueling Regulators. Applied Sciences (Switzerland), 2020, 10, 8310.	1.3	5
38	Energy management strategies for hybrid electric vehicles - vosviwer bibliometric analysis. , 2020, , .		7
39	IoVT: Internet of Vulnerable Things? Threat Architecture, Attack Surfaces, and Vulnerabilities in Internet of Things and Its Applications towards Smart Grids. Energies, 2020, 13, 4813.	1.6	40
40	A Systematic Study on the Analysis of the Emission of CO, CO2 and HC for Four-Wheelers and Its Impact on the Sustainable Ecosystem. Sustainability, 2020, 12, 6707.	1.6	39
41	A New Adaptive Spatial Filtering Method in the Wavelet Domain for Medical Images. Applied Sciences (Switzerland), 2020, 10, 5693.	1.3	4
42	Efficient and Secure Strategy for Energy Systems of Interconnected Farmersâ€™ Associations to Meet Variable Energy Demand. Mathematics, 2020, 8, 2182.	1.1	9
43	Performance of the load-following control switched to the air and hydrogen regulators of the fuel cell system. , 2020, , .		1
44	The ElectricalVehicle Simulator for Charging Station in Mode 3 of IEC 61851-1 Standard. Energies, 2020, 13, 176.	1.6	21
45	Implementing Blockchain Technology in Irrigation Systems That Integrate Photovoltaic Energy Generation Systems. Sustainability, 2020, 12, 1540.	1.6	37
46	Aircraft Trajectory Tracking Using Radar Equipment with Fuzzy Logic Algorithm. Mathematics, 2020, 8, 207.	1.1	17
47	PLC Automation and Control Strategy in a Stirling Solar Power System. Energies, 2020, 13, 1917.	1.6	8
48	An Optimization Model for the Temporary Locations of Mobile Charging Stations. Mathematics, 2020, 8, 453.	1.1	31
49	Image Compression and Noise Reduction through Algorithms in Wavelet Domain. , 2020, , .		1
50	Green Hybrid Energy for Office Building. E3S Web of Conferences, 2019, 111, 04026.	0.2	4
51	Concentrating Solar Power Technologies. Energies, 2019, 12, 1048.	1.6	48
52	Design and Simulation of Romanian Solar Energy Charging Station for Electric Vehicles. Energies, 2019, 12, 74.	1.6	38
53	Energy Efficient Stationary Application Supplied with Solar - Wind Hybrid Energy. , 2019, , .		5
54	Proton-Exchange Membrane Fuel Cells: The Renewable Energy Era. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	New Mobile Charging Station for Urban and Resort Areas. , 2019, , .		12
56	Hydrogen Fuel Cell Technology for the Sustainable Future of Stationary Applications. Energies, 2019, 12, 4593.	1.6	218
57	Considerations Regarding the Green Retrofitting of Residential Buildings From Human Wellbeing Perspectives. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 143-175.	0.3	3
58	Heating Systems. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 283-307.	0.3	0
59	Design and Concept of an Energy System Based on Renewable Sources for Greenhouse Sustainable Agriculture. Energies, 2018, 11, 1201.	1.6	27
60	Hybrid Electric Powertrain with Fuel Cells for a Series Vehicle. Energies, 2018, 11, 1294.	1.6	22
61	The role of hydrogen as a future solution to energetic and environmental problems for residential buildings. AIP Conference Proceedings, 2017, , .	0.3	8
62	Hybrid Solar and Wind Electric System for Romanian Nearly Zero Energy Buildings (nZEB) - Case Study. Applied Mechanics and Materials, 2016, 841, 110-115.	0.2	2
63	Performance of fuel cell for energy supply of passive house. AIP Conference Proceedings, 2015, , .	0.3	0
64	Multi-criteria analysis on how to select solar radiation hydrogen production system. AIP Conference Proceedings, 2015, , .	0.3	0
65	Energen System for Power Supply of Passive House: Case Study. , 2015, , .		9
66	RES Storage Solution for Clean Electrification of Passive House. Applied Mechanics and Materials, 0, 811, 339-344.	0.2	0