

Maria Simona Raboaca

List of Publications by Year in descending order

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Version: 2024-02-01

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	Hydrogen Fuel Cell Technology for the Sustainable Future of Stationary Applications. <i>Energies</i> , 2019, 12, 4593.	1.6	218
2	Fuel Cell Electric Vehicles—A Brief Review of Current Topologies and Energy Management Strategies. <i>Energies</i> , 2021, 14, 252.	1.6	141
3	Face Spoofing, Age, Gender and Facial Expression Recognition Using Advance Neural Network Architecture-Based Biometric System. <i>Sensors</i> , 2022, 22, 5160.	2.1	49
4	Concentrating Solar Power Technologies. <i>Energies</i> , 2019, 12, 1048.	1.6	48
5	Environmental impact assessment of green energy systems for power supply of electric vehicle charging station. <i>International Journal of Energy Research</i> , 2020, 44, 10471-10494.	2.2	44
6	IoT: Internet of Vulnerable Things? Threat Architecture, Attack Surfaces, and Vulnerabilities in Internet of Things and Its Applications towards Smart Grids. <i>Energies</i> , 2020, 13, 4813.	1.6	40
7	A Systematic Study on the Analysis of the Emission of CO, CO ₂ and HC for Four-Wheelers and Its Impact on the Sustainable Ecosystem. <i>Sustainability</i> , 2020, 12, 6707.	1.6	39
8	Design and Simulation of Romanian Solar Energy Charging Station for Electric Vehicles. <i>Energies</i> , 2019, 12, 74.	1.6	38
9	Implementing Blockchain Technology in Irrigation Systems That Integrate Photovoltaic Energy Generation Systems. <i>Sustainability</i> , 2020, 12, 1540.	1.6	37
10	An Optimization Model for the Temporary Locations of Mobile Charging Stations. <i>Mathematics</i> , 2020, 8, 453.	1.1	31
11	Design and Concept of an Energy System Based on Renewable Sources for Greenhouse Sustainable Agriculture. <i>Energies</i> , 2018, 11, 1201.	1.6	27
12	Coal Fly Ash Derived Silica Nanomaterial for MMMs—Application in CO ₂ /CH ₄ Separation. <i>Membranes</i> , 2021, 11, 78.	1.4	27
13	Blockchain-Based Peer-to-Peer Transactive Energy Management Scheme for Smart Grid System. <i>Sensors</i> , 2022, 22, 4826.	2.1	24
14	Hybrid Electric Powertrain with Fuel Cells for a Series Vehicle. <i>Energies</i> , 2018, 11, 1294.	1.6	22
15	Improved Security of E-Healthcare Images Using Hybridized Robust Zero-Watermarking and Hyper-Chaotic System along with RSA. <i>Mathematics</i> , 2022, 10, 1071.	1.1	22
16	The Electrical Vehicle Simulator for Charging Station in Mode 3 of IEC 61851-1 Standard. <i>Energies</i> , 2020, 13, 176.	1.6	21
17	Sewage Sludge Derived Materials for CO ₂ Adsorption. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7139.	1.3	19
18	Aircraft Trajectory Tracking Using Radar Equipment with Fuzzy Logic Algorithm. <i>Mathematics</i> , 2020, 8, 207.	1.1	17

#	ARTICLE	IF	CITATIONS
19	Efficient Rice-Husk-Derived Silica Nanocatalysts for Organic Dye Removal from Water. <i>Catalysts</i> , 2021, 11, 815.	1.6	13
20	New Mobile Charging Station for Urban and Resort Areas. , 2019, , .		12
21	Optimal energy management strategies for the electric vehicles compiling bibliometric maps. <i>International Journal of Energy Research</i> , 2021, 45, 10129-10172.	2.2	12
22	Computational Statistics and Machine Learning Techniques for Effective Decision Making on Studentâ€™s Employment for Real-Time. <i>Mathematics</i> , 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. <i>Sustainability</i> , 2021, 13, 6304.	1.6	11
24	Cardiac Diagnostic Feature and Demographic Identification (CDF-DI): An IoT Enabled Healthcare Framework Using Machine Learning. <i>Sensors</i> , 2021, 21, 6584.	2.1	11
25	Blockchainâ€™based electric vehicle charging reservation scheme for optimum pricing. <i>International Journal of Energy Research</i> , 2022, 46, 14994-15007.	2.2	11
26	Delegated Proof of Accessibility (DPoAC): A Novel Consensus Protocol for Blockchain Systems. <i>Mathematics</i> , 2022, 10, 2336.	1.1	11
27	Design and Experience of Mobile Applications: A Pilot Survey. <i>Mathematics</i> , 2022, 10, 2380.	1.1	10
28	Energen System for Power Supply of Passive House: Case Study. , 2015, , .		9
29	Efficient and Secure Strategy for Energy Systems of Interconnected Farmersâ€™ Associations to Meet Variable Energy Demand. <i>Mathematics</i> , 2020, 8, 2182.	1.1	9
30	An overview and performance evaluation of open charge point protocol from an electromobility concept perspective. <i>International Journal of Energy Research</i> , 2022, 46, 523-543.	2.2	9
31	GrAb: A Deep Learning-Based Data-Driven Analytics Scheme for Energy Theft Detection. <i>Sensors</i> , 2022, 22, 4048.	2.1	9
32	XAI-Fall: Explainable AI for Fall Detection on Wearable Devices Using Sequence Models and XAI Techniques. <i>Mathematics</i> , 2022, 10, 1990.	1.1	9
33	The role of hydrogen as a future solution to energetic and environmental problems for residential buildings. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	8
34	PLC Automation and Control Strategy in a Stirling Solar Power System. <i>Energies</i> , 2020, 13, 1917.	1.6	8
35	Intelligent charging station in <sc>5G</sc> environments: Challenges and perspectives. <i>International Journal of Energy Research</i> , 2021, 45, 16418-16435.	2.2	8
36	Smart Scheduling of Electric Vehicles Based on Reinforcement Learning. <i>Sensors</i> , 2022, 22, 3718.	2.1	8

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37	Blockchain for Future Wireless Networks: A Decade Survey. <i>Sensors</i> , 2022, 22, 4182.	2.1	8
38	Energy management strategies for hybrid electric vehicles - vosviwer bibliometric analysis. , 2020, , .		7
39	Design and Numerical Implementation of V2X Control Architecture for Autonomous Driving Vehicles. <i>Mathematics</i> , 2021, 9, 1696.	1.1	7
40	Electric Vehicle Smart Charging Reservation Algorithm. <i>Sensors</i> , 2022, 22, 2834.	2.1	6
41	Energy Efficient Stationary Application Supplied with Solar - Wind Hybrid Energy. , 2019, , .		5
42	Improving the Fuel Economy and Battery Lifespan in Fuel Cell/Renewable Hybrid Power Systems Using the Power-Following Control of the Fueling Regulators. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8310.	1.3	5
43	Green Hybrid Energy for Office Building. <i>E3S Web of Conferences</i> , 2019, 111, 04026.	0.2	4
44	A New Adaptive Spatial Filtering Method in the Wavelet Domain for Medical Images. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5693.	1.3	4
45	Stochastic Neural Networks-Based Algorithmic Trading for the Cryptocurrency Market. <i>Mathematics</i> , 2022, 10, 1456.	1.1	4
46	Methods for Improving Image Quality for Contour and Textures Analysis Using New Wavelet Methods. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3895.	1.3	3
47	Design Development and Analysis of a Partially Superconducting Axial Flux Motor Using YBCO Bulks. <i>Materials</i> , 2021, 14, 4295.	1.3	3
48	Hybrid Energy Systems for Power of Sustainable Buildings. Case Study: A Renewable Energy Based on-Site Green Electricity Production. , 2022, , 420-436.		3
49	Considerations Regarding the Green Retrofitting of Residential Buildings From Human Wellbeing Perspectives. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 143-175.	0.3	3
50	Hybrid Solar and Wind Electric System for Romanian Nearly Zero Energy Buildings (nZEB) - Case Study. <i>Applied Mechanics and Materials</i> , 2016, 841, 110-115.	0.2	2
51	Fuell cell/ Photovoltaic panels/ Wind turbines Hybrid Systems analysed through bibliometric maps. , 2021, , .		2
52	An Analytical Solution for Non-Linear Viscoelastic Impact. <i>Mathematics</i> , 2021, 9, 1849.	1.1	2
53	Design Patterns and Electric Vehicle Charging Software. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 140.	1.3	2
54	Proton-Exchange Membrane Fuel Cells: The Renewable Energy Era. , 2019, , .		1

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55	Performance of the load-following control switched to the air and hydrogen regulators of the fuel cell system. , 2020, , .		1
56	Image Compression and Noise Reduction through Algorithms in Wavelet Domain. , 2020, , .		1
57	Super Resolution for Noisy Images Using Convolutional Neural Networks. Mathematics, 2022, 10, 777.	1.1	1
58	Log Transformed Coherency Matrix for Differentiating Scattering Behaviour of Oil Spill Emulsions Using SAR Images. Mathematics, 2022, 10, 1697.	1.1	1
59	RES Storage Solution for Clean Electrification of Passive House. Applied Mechanics and Materials, 0, 811, 339-344.	0.2	0
60	Performance of fuel cell for energy supply of passive house. AIP Conference Proceedings, 2015, , .	0.3	0
61	Multi-criteria analysis on how to select solar radiation hydrogen production system. AIP Conference Proceedings, 2015, , .	0.3	0
62	OPAL-RT Technology Used in Automotive Applications for PEMFC. Power Systems, 2021, , 443-464.	0.3	0
63	Considerations Regarding the Green Retrofitting of Residential Buildings From Human Wellbeing Perspectives. , 2021, , 274-307.		0
64	Energy Storage Systems. Advances in Computer and Electrical Engineering Book Series, 2021, , 105-138.	0.2	0
65	Overview Regarding Synthetic Gas Production by Biomass Gasification. Advances in Computer and Electrical Engineering Book Series, 2021, , 70-104.	0.2	0
66	Heating Systems. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 283-307.	0.3	0