

Konstantinos Kalaitzakis

List of Publications by Year in descending order

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44
papers

4,853
citations

293460

24
h-index

312153

41
g-index

44
all docs

44
docs citations

44
times ranked

4610
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Multi-Parameter Method for Efficient Charging Scheduling of Electric Vehicles. Applied System Innovation, 2021, 4, 58.	2.7	7
2	Integrating a novel smart control system for outdoor lighting infrastructures in ports. Energy Conversion and Management, 2021, 246, 114684.	4.4	8
3	Measurement and Verification of Zero Energy Settlements: Lessons Learned from Four Pilot Cases in Europe. Sustainability, 2020, 12, 9783.	1.6	6
4	HVAC Optimization Genetic Algorithm for Industrial Near-Zero-Energy Building Demand Response. Energies, 2019, 12, 2177.	1.6	28
5	Power Transmission Lines Inspection using Properly Equipped Unmanned Aerial Vehicle (UAV). , 2018, , .		21
6	Development of Demand Response Energy Management Optimization at Building and District Levels Using Genetic Algorithm and Artificial Neural Network Modelling Power Predictions. Energies, 2018, 11, 3012.	1.6	35
7	A Reconfigurable PID Controller. Lecture Notes in Computer Science, 2018, , 392-403.	1.0	1
8	Innovative optics for concentrating photovoltaic/thermal (CPVT) systems “ the case of the PROTEAS Solar Polygeneration System. International Journal of Sustainable Energy, 2017, 36, 775-786.	1.3	9
9	Design of large scale prosuming in Universities: The solar energy vision of the TUC campus. Energy and Buildings, 2017, 141, 39-55.	3.1	45
10	Design and development of a Web based GIS platform for zero energy settlements monitoring. Energy Procedia, 2017, 134, 48-60.	1.8	15
11	Development of a web based energy management system for University Campuses: The CAMP-IT platform. Energy and Buildings, 2016, 123, 119-135.	3.1	62
12	Adaptive lighting controllers using smart sensors. International Journal of Sustainable Energy, 2016, 35, 537-553.	1.3	9
13	A methodology exploiting geographical information systems to site a photovoltaic park inside a sustainable community. International Journal of Sustainable Energy, 2016, 35, 132-147.	1.3	3
14	Reducing Solar Dish Park Production Volatility Utilizing Lithium-ion Batteries. Periodica Polytechnica Electrical Engineering and Computer Science, 2016, 60, 254-260.	0.6	1
15	Building optimization and control algorithms implemented in existing BEMS using a web based energy management and control system. Energy and Buildings, 2015, 98, 45-55.	3.1	66
16	Sustainable siting process in large wind farms case study in Crete. Renewable Energy, 2015, 75, 474-480.	4.3	49
17	A knowledge management platform for supporting Smart Grids based on peer to peer and service oriented architecture technologies. , 2011, , .		2
18	A roadmap towards intelligent net zero- and positive-energy buildings. Solar Energy, 2011, 85, 3067-3084.	2.9	304

#	ARTICLE	IF	CITATIONS
19	Investment Perspectives on the Interconnection of Isolated Systems with the Mainland Grid: Crete Case Study. , 2011, , .		0
20	A multi-objective decision model for the improvement of energy efficiency in buildings. Energy, 2010, 35, 5483-5496.	4.5	186
21	Decision support methodologies on the energy efficiency and energy management in buildings. Advances in Building Energy Research, 2009, 3, 121-146.	1.1	120
22	Development of an FPGA-based system for real-time simulation of photovoltaic modules. Microelectronics Journal, 2009, 40, 1094-1102.	1.1	71
23	Design of a maximum power tracking system for wind-energy-conversion applications. IEEE Transactions on Industrial Electronics, 2006, 53, 486-494.	5.2	749
24	Methodology for optimal sizing of stand-alone photovoltaic/wind-generator systems using genetic algorithms. Solar Energy, 2006, 80, 1072-1088.	2.9	613
25	High-frequency pulse width modulation implementation using FPGA and CPLD ICs. Journal of Systems Architecture, 2006, 52, 332-344.	2.5	63
26	A server database system for remote monitoring and operational evaluation of renewable energy sources plants. Renewable Energy, 2005, 30, 1649-1669.	4.3	27
27	Implementation of an integrated indoor environment and energy management system. Energy and Buildings, 2005, 37, 93-99.	3.1	75
28	A survey of video processing techniques for traffic applications. Image and Vision Computing, 2003, 21, 359-381.	2.7	433
29	Development of a data acquisition system for remote monitoring of renewable energy systems. Measurement: Journal of the International Measurement Confederation, 2003, 34, 75-83.	2.5	50
30	Development of an integrated data-acquisition system for renewable energy sources systems monitoring. Renewable Energy, 2003, 28, 139-152.	4.3	140
31	A system for inverter protection and real-time monitoring. Microelectronics Journal, 2003, 34, 823-832.	1.1	9
32	Designing a new generalized battery management system. IEEE Transactions on Industrial Electronics, 2003, 50, 990-999.	5.2	170
33	Interconnecting smart card system with PLC controller in a local operating network to form a distributed energy management and control system for buildings. Energy Conversion and Management, 2002, 43, 119-134.	4.4	23
34	A fuzzy knowledge based method for maintenance planning in a power system. Reliability Engineering and System Safety, 2002, 77, 19-30.	5.1	49
35	Genetic algorithms optimized fuzzy controller for the indoor environmental management in buildings implemented using PLC and local operating networks. Engineering Applications of Artificial Intelligence, 2002, 15, 417-428.	4.3	81
36	Short-term load forecasting based on artificial neural networks parallel implementation. Electric Power Systems Research, 2002, 63, 185-196.	2.1	82

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37	Advanced fuzzy logic controllers design and evaluation for buildingsâ€™ occupants thermalâ€™visual comfort and indoor air quality satisfaction. Energy and Buildings, 2001, 33, 531-543.	3.1	154
38	Development of a microcontroller-based, photovoltaic maximum power point tracking control system. IEEE Transactions on Power Electronics, 2001, 16, 46-54.	5.4	1,064
39	Optimal PV system dimensioning with obstructed solar radiation. Renewable Energy, 1996, 7, 51-56.	4.3	4
40	Size optimization of a PV system installed close to sun obstacles. Solar Energy, 1996, 57, 291-299.	2.9	6
41	A SIMULATION MODEL FOR THE RELIABLE INTEGRATION OF A 4.5 MW WIND FARM INTO THE POWER GRID OF THE CRETE ISLAND. International Journal of Solar Energy, 1990, 9, 137-146.	0.2	1
42	A Methodology for Dynamic Utility Interactive Operation of Dispersed Storage and Generation Devices. IEEE Transactions on Power Systems, 1987, 2, 45-51.	4.6	9
43	Design and development of a new electronic sphygmomanometer. Medical and Biological Engineering and Computing, 1985, 23, 453-458.	1.6	2
44	Maximum power transfer in non-linear source-load systems. International Journal of Circuit Theory and Applications, 1984, 12, 239-247.	1.3	1