Apostolos C Tsolakis

List of Publications by Year
in descending order

42 papers	347 citations	1040056 9 h-index	940533 16 g-index
42 all docs	42 docs citations	42 times ranked	488 citing authors

#	Article	IF	Citations
1	Conditional Random Fields - based approach for real-time building occupancy estimation with multi-sensory networks. Automation in Construction, 2016, 68, 128-145.	9.8	57
2	Assessing Virtual Reality Environments as Cognitive Stimulation Method for Patients with MCI. Studies in Computational Intelligence, 2014, , 39-74.	0.9	44
3	A Human-Centric & Context-Aware IoT Framework for Enhancing Energy Efficiency in Buildings of Public Use. IEEE Access, 2018, 6, 31444-31456.	4.2	31
4	Real-Time Physical Activity Recognition on Smart Mobile Devices Using Convolutional Neural Networks. Applied Sciences (Switzerland), 2020, 10, 8482.	2.5	28
5	Phase Balancing and Reactive Power Support Services for Microgrids. Applied Sciences (Switzerland), 2019, 9, 5067.	2.5	23
6	A Secured and Trusted Demand Response system based on Blockchain technologies. , 2018, , .		22
7	Design factors for developing a university campus microgrid. , 2018, , .		16
8	Human resource optimisation through semanticallyÂenriched data. International Journal of Production Research, 2018, 56, 2855-2877.	7.5	14
9	Novel hybrid design for microgrid control. , 2017, , .		10
10	Optimal Energy Management and Scheduling of a Microgrid in Grid-Connected and Islanded Modes. , 2019, , .		10
11	Benchmark Comparison of Analytical, Data-Based and Hybrid Models for Multi-Step Short-Term Photovoltaic Power Generation Forecasting. Energies, 2020, 13, 5978.	3.1	10
12	Occupancy-based decision support system for building management: From automation to end-user persuasion. International Journal of Energy Research, 2019, 43, 2261-2280.	4.5	9
13	Hybrid multiâ€agentâ€based adaptive control scheme for AC microgrids with increased faultâ€tolerance needs. IET Renewable Power Generation, 2020, 14, 13-26.	3.1	9
14	Magnetic Fluorescent Nanoparticles Binding to Amyloid-Beta Peptide: Silica-Coated, Thioflavin-T Functionalized Iron Oxide. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
15	OpenADR Ontology: Semantic Enrichment of Demand Response Strategies in Smart Grids. , 2020, , .		7
16	Early defect diagnosis in installed PV modules exploiting spatio-temporal information from thermal images. , 2014, , .		7
17	Multi-criteria HVAC control optimization. , 2018, , .		5
18	OptiMEMS: An Adaptive Lightweight Optimal Microgrid Energy Management System Based on the Novel Virtual Distributed Energy Resources in Real-Life Demonstration. Energies, 2021, 14, 2752.	3.1	5

#	Article	IF	Citations
19	Semantic Interoperability for DR Schemes Employing the SGAM Framework. , 2020, , .		4
20	Socio-Economic Effect on ICT-Based Persuasive Interventions Towards Energy Efficiency in Tertiary Buildings. Energies, 2020, 13, 1700.	3.1	4
21	Design and Real-life Deployment of a Smart Nanogrid: A Greek Case Study. , 2020, , .		4
22	Redefining Micro-Moments for Improving Energy Behaviour: The SIT4Energy Approach. , 2019, , .		3
23	Optimal, dynamic and reliable demand-response via OpenADR-compliant multi-agent virtual nodes: Design, implementation & evaluation. Journal of Cleaner Production, 2021, 314, 127844.	9.3	3
24	Semantically enriched industry data & information modelling: A feasibility study on shop-floor incident recognition. , 2016, , .		2
25	A Socio-Economic Survey for Understanding Self-Perceived Effectiveness of Persuasive Strategies Towards Energy Efficiency in Tertiary Buildings. , 2019, , .		2
26	Demand Flexibility Estimation Based onÂHabitual Behaviour and Motif Detection. Lecture Notes in Computer Science, 2021, , 417-431.	1.3	2
27	Dynamic Multi-agent OpenADR Virtual Nodes for Distributed Demand Response Schemes. , 2020, , .		2
28	Phagocytosis and Cytotoxicity Analysis of Thioflavin-T Doped Silica-Coated Superparamagnetic Iron Oxide Nanoparticles Bound to Amyloid Beta 1â€“42. IEEE Magnetics Letters, 2018, 9, 1-5.	1.1	1
29	An improved decentralised coordinated control scheme for microgrids with AC-coupled units. , 2018, , .		1
30	Towards a Holistic Microgrid Performance Framework and a Data-Driven Assessment Analysis. Energies, 2020, 13, 5780.	3.1	1
31	A Recommendation Specific Human Activity Recognition Dataset with Mobile Deviceâ€™s Sensor Data. IFIP Advances in Information and Communication Technology, 2021, , 327-339.	0.7	1
32	Model analogies between pattern formation in deforming engineering materials & morphogenesis in ageing human brains. Journal of the Mechanical Behavior of Materials, 2019, 28, 95-106.	1.8	1
33	Lasting and Spillover Effects of Ambient Eco-Feedback in the Office-based Workplace. , 2020, , .		1
34	Improving Energy Efficiency in Tertiary Buildings Through User-Driven Recommendations Delivered on Optimal Micro-moments. IFIP Advances in Information and Communication Technology, 2021, , 352-363.	0.7	0
35	Short Term Net Imbalance Volume Forecasting Through Machine and Deep Learning: A UK Case Study. IFIP Advances in Information and Communication Technology, 2021, , 377-389.	0.7	0
36	Energy Profile Clustering with Balancing Mechanism towards more Reliable Distributed Virtual Nodes for Demand Response. , 2021, , .		0

#	Article	IF	Citations
37	Occupancy Inference Through Energy Consumption Data: A Smart Home Experiment. Lecture Notes in Computer Science, 2019, , 670-679.	1.3	0
38	Micro-Grid Campus Concept from Data to Design: Case Study Malta. , 2020, , .		0
39	Optimal Recommendation Strategy Identification towards Energy Efficiency in Tertiary Buildings. , 2020, , .		0
40	Microgrid Environmental Impact. , 2020, , .		0
41	D²EPC: Next Generation Digital and Dynamic Energy Performance Certificates. , 2021, , .		0
42	Knowledge and skill needs and challenges of innovation ecosystems in the Central-Eastern and South-Eastern European space sector. Open Research Europe, 0, 2, 20.	2.0	0