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	Demand Flexibility Estimation Based onÂHabitual Behaviour and Motif Detection. Lecture Notes in Computer Science, 2021, , 417-431.	1.3	2
2	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
3	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
4	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
5	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
6	Energy Profile Clustering with Balancing Mechanism towards more Reliable Distributed Virtual Nodes for Demand Response. , 2021, , .		0
7	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
8	D²EPC: Next Generation Digital and Dynamic Energy Performance Certificates. , 2021, , .		0
9	Towards a Holistic Microgrid Performance Framework and a Data-Driven Assessment Analysis. Energies, 2020, 13, 5780.	3.1	1
10	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
11	Semantic Interoperability for DR Schemes Employing the SGAM Framework. , 2020, , .		4
12	OpenADR Ontology: Semantic Enrichment of Demand Response Strategies in Smart Grids. , 2020, , .		7
13	Real-Time Physical Activity Recognition on Smart Mobile Devices Using Convolutional Neural Networks. Applied Sciences (Switzerland), 2020, 10, 8482.	2.5	28
14	Socio-Economic Effect on ICT-Based Persuasive Interventions Towards Energy Efficiency in Tertiary Buildings. Energies, 2020, 13, 1700.	3.1	4
15	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
16	Design and Real-life Deployment of a Smart Nanogrid: A Greek Case Study. , 2020, , .		4
17	Micro-Grid Campus Concept from Data to Design: Case Study Malta. , 2020, , .		0
18	Lasting and Spillover Effects of Ambient Eco-Feedback in the Office-based Workplace. , 2020, , .		1

#	Article	IF	Citations
19	Optimal Recommendation Strategy Identification towards Energy Efficiency in Tertiary Buildings. , 2020, , .		0
20	Dynamic Multi-agent OpenADR Virtual Nodes for Distributed Demand Response Schemes. , 2020, , .		2
21	Microgrid Environmental Impact. , 2020, , .		0
22	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
23	Redefining Micro-Moments for Improving Energy Behaviour: The SIT4Energy Approach. , 2019, , .		3
24	Phase Balancing and Reactive Power Support Services for Microgrids. Applied Sciences (Switzerland), 2019, 9, 5067.	2.5	23
25	A Socio-Economic Survey for Understanding Self-Perceived Effectiveness of Persuasive Strategies Towards Energy Efficiency in Tertiary Buildings. , 2019, , .		2
26	Optimal Energy Management and Scheduling of a Microgrid in Grid-Connected and Islanded Modes. , 2019, , .		10
27	Occupancy Inference Through Energy Consumption Data: A Smart Home Experiment. Lecture Notes in Computer Science, 2019, , 670-679.	1.3	0
28	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
29	Human resource optimisation through semanticallyÂenriched data. International Journal of Production Research, 2018, 56, 2855-2877.	7.5	14
30	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
31	A Secured and Trusted Demand Response system based on Blockchain technologies. , 2018, , .		22
32	An improved decentralised coordinated control scheme for microgrids with AC-coupled units. , 2018, , .		1
33	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
34	Design factors for developing a university campus microgrid. , 2018, , .		16
35	Multi-criteria HVAC control optimization. , 2018, , .		5
36	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

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37	Novel hybrid design for microgrid control. , 2017, , .		10
38	Semantically enriched industry data & information modelling: A feasibility study on shop-floor incident recognition. , 2016, , .		2
39	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
40	Assessing Virtual Reality Environments as Cognitive Stimulation Method for Patients with MCI. Studies in Computational Intelligence, 2014, , 39-74.	0.9	44
41	Early defect diagnosis in installed PV modules exploiting spatio-temporal information from thermal images. , 2014, , .		7
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