

# ΔΗΜΟΣΙΕΥΣΕΙΣ ΤΗΜΜΥ ΠΔΜ - 2021

	Authors	Title	Year	Source	Scimago	Type	DOI	Volume	Issue
1	K.D. Tzamourta	Machine Learning Algorithms and Statistical Approaches for Alzheimer's Disease Analysis Based on Resting-State EEG Recordings: A Systematic Review	2021	International Journal of Neural Systems	Q1	Article	10.1142/S0129065721300023	31	5
2	A.D. Boursianis	Multiband Patch Antenna Design Using Nature-Inspired Optimization Method	2021	IEEE Open Journal of Antennas and Propagation	*	Article	10.1109/OJAP.2020.3048495	2	
3	E. Antoniou	EEG-based eye movement recognition using the brain-computer interface and random forests	2021	Sensors	Q2	Article	10.3390/s21072339	21	7
4	D. Bamgboje	Continuous non-invasive glucose monitoring via contact lenses: Current approaches and future perspectives	2021	Biosensors	Q2	Article	10.3390/bios11060189	11	6
5	I. Siniosoglou	A Unified Deep Learning Anomaly Detection and Classification Approach for Smart Grid Environments	2021	IEEE Transactions on Network and Service Management	Q1	Article	10.1109/TNSM.2021.3078381	18	2
6	A.D. Boursianis	Smart Irrigation System for Precision Agriculture - The AREThOU5A IoT Platform	2021	IEEE Sensors Journal	Q1	Article	10.1109/JSEN.2020.3033526	21	16
7	N. Koltsaklis	A prosumer model based on smart home energy management and forecasting techniques	2021	Energies	Q2	Article	10.3390/en14061724	14	6
8	P. Radoglou-Grammatikis	SPEAR SIEM: A Security Information and Event Management system for the Smart Grid	2021	Computer Networks	Q1	Article	10.1016/j.comnet.2021.108008	193	
9	S.P. Sotiroudis	Fusing Diverse Input Modalities for Path Loss Prediction: A Deep Learning Approach	2021	IEEE Access	Q1	Article	10.1109/ACCESS.2021.3059589	9	
10	Y. Spyridis	Towards 6g iot: Tracing mobile sensor nodes with deep learning clustering in uav networks	2021	Sensors	Q2	Article	10.3390/s21113936	21	11
11	Y. Spyridis	Modelling and simulation of a new cooperative algorithm for UAV swarm coordination in mobile RF target tracking	2021	Simulation Modelling Practice and Theory	Q1	Article	10.1016/j.simpat.2020.102232	107	
12	G. Amponis	Inter-UAV routing scheme testbeds	2021	Drones	Q1	Article	10.3390/drones5010002	5	1
13	T. Kotsiopoulos	Deep multi-sensorial data analysis for production monitoring in hard metal industry	2021	International Journal of Advanced Manufacturing Technology	Q2	Article	10.1007/s00170-020-06173-1	115	3
14	A. Miltiadous	Alzheimer's disease and frontotemporal dementia: A robust classification method of eeg signals and a comparison of validation methods	2021	Diagnostics	Q2	Article	10.3390/diagnostics11081437	11	8
15	V. Kelli	Iids for industrial applications: A federated learning approach with active personalization	2021	Sensors	Q2	Article	10.3390/s21206743	21	20
16	E. Skondras	A network slicing framework for uav-aided vehicular networks	2021	Drones	Q1	Article	10.3390/drones5030070	5	3
17	E.T. Michailidis	Energy optimization in dual-ris uav-aided mec-enabled internet of vehicles	2021	Sensors	Q2	Article	10.3390/s21134392	21	13
18	E. Skondras	Network slicing on 5G vehicular cloud computing systems	2021	Electronics (Switzerland)	Q2	Article	10.3390/electronics10121474	10	12
19	G.F. Fragulis	An Online Dynamic Examination System (ODES) based on open source software tools	2021	Software Impacts	*	Article	10.1016/j.simpa.2020.100046	7	
20	S.I. Dimitriadis	An automatic sleep disorder detection based on EEG cross-frequency coupling and random forest model	2021	Journal of Neural Engineering	Q1	Article	10.1088/1741-2552/abf773	18	4
21	E.O. Kontis	Estimation of power system inertia: A Comparative assessment of measurement-Based techniques	2021	Electric Power Systems Research	Q1	Article	10.1016/j.eprsr.2021.107250	196	
22	G. Amponis	A survey on FANET routing from a cross-layer design perspective	2021	Journal of Systems Architecture	Q1	Article	10.1016/j.sysarc.2021.102281	120	
23	A.D. Boursianis	Emerging swarm intelligence algorithms and their applications in antenna design: The gwo, woa, and ssa optimizers	2021	Applied Sciences (Switzerland)	Q2	Article	10.3390/app11188330	11	18
24	E.O. Kontis	Multi-channel measurement-based identification methods for mode estimation in power systems	2021	Electric Power Systems Research	Q1	Article	10.1016/j.eprsr.2021.107157	195	
25	Z. Sun	End-to-end deep graph convolutional neural network approach for intentional islanding in power systems considering load-generation balance	2021	Sensors	Q2	Article	10.3390/s21051650	21	5
26	V. Moysiadis	Extending ADR mechanism for LoRa enabled mobile end-devices	2021	Simulation Modelling Practice and Theory	Q1	Article	10.1016/j.simpat.2021.102388	113	
27	I.A. Chousainov	Multiservice Loss Models for Cloud Radio Access Networks	2021	IEEE Access	Q1	Article	10.1109/ACCESS.2021.3105946	9	
28	I.G. Violaris	Modelling hydrocortisone pharmacokinetics on a subcutaneous pulsatile infusion replacement strategy in patients with adrenocortical insufficiency	2021	Pharmaceutics	Q1	Article	10.3390/pharmaceutics13060769	13	6
29	A.G. Anagnostakis	Iot micro-blockchain fundamentals	2021	Sensors	Q2	Article	10.3390/s21082784	21	8
30	S. Amanatiadis	A Consistent Scheme for the Precise FDTD Modeling of the Graphene Interband Contribution	2021	IEEE Transactions on Magnetics	Q2	Article	10.1109/TMAG.2021.3068870	57	6

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31	A.I. Noudilis	An Exponential Droop Control Strategy for Distributed Energy Storage Systems Integrated with Photovoltaics	2021	IEEE Transactions on Power Systems	Q1	Article	10.1109/TPWRS.2020.3045619	36	4
32	D. Ziouzos	Utilizing educational robotics for environmental empathy cultivation in primary schools	2021	Electronics (Switzerland)	Q2	Article	10.3390/electronics10192389	10	19
33	A.D. Boursianis	Novel design framework for dual-band frequency selective surfaces using multi-variant differential evolution	2021	Mathematics	Q2	Article	10.3390/math9192381	9	19
34	T. Zygididis	Modeling of Stochastic EMC Problems with Anisotropic Polynomial Chaos Expansions	2021	IEEE Electromagnetic Compatibility Magazine	Q4	Article	10.1109/MEMC.2021.9477236	10	2
35	N.E. Koltsaklis	Assessing the impacts of energy storage on the electricity market-clearing algorithms	2021	International Transactions on Electrical Energy Systems	Q2	Article	10.1002/2050-7038.12968	31	8
36	G. Angelopoulos	Secure autonomous cloud brained humanoid robot assisting rescuers in hazardous environments	2021	Electronics (Switzerland)	Q2	Article	10.3390/electronics10020124	10	2
37	L. Zouloumis	Dynamic simulation-based surrogate model for the dimensioning of building energy systems	2021	Energies	Q2	Article	10.3390/en14217141	14	21
38	E.T. Michailidis	Energy Optimization in Massive MIMO UAV-Aided MEC-Enabled Vehicular Networks	2021	IEEE Access	Q1	Article	10.1109/ACCESS.2021.3106495		
39	A. Papadopoulos	An Adaptive Sparse Anisotropic Polynomial-Chaos Expansion Algorithm Applied to EMC Problems	2021	IEEE Electromagnetic Compatibility Magazine	Q4	Article	10.1109/MEMC.2021.9477248	10	2
40	I.P. Panapakidis	A novel integrated profit maximization model for retailers under varied penetration levels of photovoltaic systems	2021	Energies	Q2	Article	10.3390/en14010092	14	1
41	T.A. Papadopoulos	Modal propagation characteristics and transient analysis of multiconductor cable systems buried in lossy dispersive soils	2021	Electric Power Systems Research	Q1	Article	10.1016/j.epsr.2021.107249	196	
42	N. Ploskas	A triangulation and fill-reducing initialization procedure for the simplex algorithm	2021	Mathematical Programming Computation	Q1	Article	10.1007/s12532-020-00188-1	13	3
43	I. Siniosoglou	Federated Intrusion Detection in NG-IoT Healthcare Systems: An Adversarial Approach	2021	IEEE International Conference on Communications		Conference Paper	10.1109/ICC42927.2021.9500578		
44	V. Kelli	A Cyber Resilience Framework for NG-IoT Healthcare Using Machine Learning and Blockchain	2021	IEEE International Conference on Communications		Conference Paper	10.1109/ICC42927.2021.9500496		
45	P. Radoglou-Grammatikis	A Self-Learning Approach for Detecting Intrusions in Healthcare Systems	2021	IEEE International Conference on Communications		Conference Paper	10.1109/ICC42927.2021.9500354		
46	E. Skondras	A Network Slicing Algorithm for 5G Vehicular Networks	2021	IISA 2021 - 12th International Conference on Information, Intelligence, Systems and Applications		Conference Paper	10.1109/IISA52424.2021.9555500		
47	D. Pliatsios	Semi-Grant-Free Non-Orthogonal Multiple Access for Tactile Internet of Things	2021	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC		Conference Paper	10.1109/PIMRC50174.2021.9569640	2021	
48	T. Sanida	A Heterogeneous Lightweight Network for Plant Disease Classification	2021	2021 10th International Conference on Modern Circuits and Systems Technologies, MOCAST 2021		Conference Paper	10.1109/MOCAST52088.2021.9493415		
49	V. Aspiotis	Active touch classification using EEG signals	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566257		
50	G.S. Maraslidis	A Fuzzy Logic Controller for Double Inverted Pendulum on a Cart	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566228		
51	E. Mpantola	Performance evaluation of Cloud Radio Access Networks by jointly considering communicational and computational network resources	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566269		
52	V. Christou	Neural Network-Based approach for Hemiplegia Detection via Accelerometer Signals	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566216		
53	K.A. Tsintotas	Sequence-based mapping for probabilistic visual loop-closure detection	2021	IST 2021 - IEEE International Conference on Imaging Systems and Techniques, Proceedings		Conference Paper	10.1109/IST50367.2021.9651458		
54	M. Charalampos-Rafail	Cyber Attack Detection and Trust Management Toolkit for Defence-Related Microgrids	2021	IFIP Advances in Information and Communication Technology		Conference Paper	10.1007/978-3-030-79157-5_20	628	
55	D. Kothona	An Hour-Ahead Photovoltaic Power Forecasting Based on LSTM Model	2021	2021 IEEE Madrid PowerTech, PowerTech 2021 - Conference Proceedings		Conference Paper	10.1109/PowerTech46648.2021.9494841		
56	N.S. Kelepouris	Impact of Demand Side Management on the Self-Sufficiency and Self-Consumption of Buildings with Photovoltaic and Storage Systems	2021	Proceedings of 2021 9th International Conference on Modern Power Systems, MPS 2021		Conference Paper	10.1109/MPS52805.2021.9492532		
57	I. Moschos	A distributed order PID controller for load frequency control in a two-area diverse-unit power system	2021	ACM International Conference Proceeding Series		Conference Paper	10.1145/3508297.3508319		
58	G. Gkagkas	The advantage of the 5G network for enhancing the Internet of Things	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566239		
59	M. Louta	AUGEIAS: Intelligent IoT management platform for treated wastewater reuse in precision agriculture	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566274		
60	E. Samara	Robotics in Primary and Secondary Education - The Lego Mindstorms EV3 implementation	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566240		
61	E. Karvounis	Smart Beds and Bedding Surfaces for Personalized Patient Care: A Review	2021	6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNISM		Conference Paper	10.1109/SEEDA-CECNISM53056.2021.9566276		

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62	I. Siniosoglou	Covert Distributed Training of Deep Federated Industrial Honeybots	2021	2021 IEEE Globecom Workshops, GC Wkshps 2021 - Proceedings		Conference Paper	10.1109/GCWkshps52748.2021.9682162		
63	Z. Sun	Intentional Islanding of Power Systems Through Self-Embedding Learning	2021	2021 IEEE Globecom Workshops, GC Wkshps 2021 - Proceedings		Conference Paper	10.1109/GCWkshps52748.2021.9682069		
64	T. Kotsiopoulos	Fault Detection on Bearings and Rotating Machines based on Vibration Sensors Data	2021	Proceedings of the 2021 IEEE International Conference on Progress in Informatics and Computing, PIC 2021		Conference Paper	10.1109/PIC53636.2021.9686999		
65	E. Michailidi	Digital Transformation of Small Greek Companies during the Covid-19 Pandemic	2021	2021 International Conference on Decision Aid Sciences and Application, DASA 2021		Conference Paper	10.1109/DASA53625.2021.9682410		
66	C. Metallidou	Communication and Security Issues in Online Learning during the COVID-19 Pandemic	2021	2021 IEEE 9th International Conference on Information, Communication and Networks, ICICN 2021		Conference Paper	10.1109/ICICN52636.2021.9673972		
67	M.S. Papadopoulou	Diverse Implementations of the Lorenz System for Teaching Non-Linear Chaotic Circuits	2021	2021 IEEE 9th International Conference on Information, Communication and Networks, ICICN 2021		Conference Paper	10.1109/ICICN52636.2021.9674018		
68	K. Dararas	Enhanced mobility management scheme for next generation 5G vehicular environments	2021	2021 International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2021 - Proceedings - 17th Annual International Conference on Distributed Computing in Sensor Systems, DCOS 2021		Conference Paper	10.23919/SPECTS52716.2021.9639302		
69	I. Siniosoglou	Synthetic Traffic Signs Dataset for Traffic Sign Detection & Recognition in Distributed Smart Systems	2021	Proceedings - 17th Annual International Conference on Distributed Computing in Sensor Systems, DCOS 2021		Conference Paper	10.1109/DCOSS52077.2021.00056		
70	K. Dararas	Enhanced mobility management scheme for next generation 5G vehicular environments	2021	Simulation Series		Conference Paper		53	1
71	A. Terzi	Reuse Opportunities in JavaScript applications	2021	Proceedings - 2021 47th Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2021		Conference Paper	10.1109/SEAA53835.2021.00057		
72	D.C. Tsouros	Learning Max-CSPs via active constraint acquisition	2021	Leibniz International Proceedings in Informatics, LIPIcs		Conference Paper	10.4230/LIPIcs.CP.2021.54	210	
73	S.P. Filippidis	Modelling and development of a laboratory scale superconducting magnetic energy storage (SMES) System	2021	2021 56th International Universities Power Engineering Conference: Powering Net Zero Emissions, UPEC 2021 - Proceedings		Conference Paper	10.1109/UPEC50034.2021.9548186		
74	P.G. Papageorgiou	Unsupervised NILM implementation using odd harmonic currents	2021	2021 56th International Universities Power Engineering Conference: Powering Net Zero Emissions, UPEC 2021 - Proceedings		Conference Paper	10.1109/UPEC50034.2021.9548250		
75	A. Pasi	Enabling cyber-attack mitigation techniques in a software defined network	2021	Proceedings of the 2021 IEEE International Conference on Cyber Security and Resilience, CSR 2021		Conference Paper	10.1109/CSR51186.2021.9527932		
76	D. Ziouzos	Enhancing Technological Development Using Novel Internet of Things Solutions: The Smart-Bin Project	2021	3rd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2021		Conference Paper	10.1109/ICECCE52056.2021.9514186		
77	A. Griva	Performance Evaluation of LoRa Networks in an Open Field Cultivation Scenario	2021	2021 10th International Conference on Modern Circuits and Systems Technologies, MOCAST 2021		Conference Paper	10.1109/MOCAST52088.2021.9493416		
78	T. Sachinidis	Dual-hop Blockchain Radio Access Networks for Advanced Coverage Expansion	2021	2021 10th International Conference on Modern Circuits and Systems Technologies, MOCAST 2021		Conference Paper	10.1109/MOCAST52088.2021.9493339		
79	I.P. Panapakidis	Forecasting Methods to Support the Decision Framework of Prosumers in Deregulated Markets	2021	Proceedings of 2021 9th International Conference on Modern Power Systems, MPS 2021		Conference Paper	10.1109/MP552805.2021.9492725		
80	L. Lazaridis	Hitboxes: A Survey About Collision Detection in Video Games	2021	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Conference Paper	10.1007/978-3-030-77277-2_24	12789	
81	D. Pliatsios	A Dynamic Recommendation-based Trust Scheme for the Smart Grid	2021	Proceedings of the 2021 IEEE Conference on Network Softwarization: Accelerating Network Softwarization in the Cognitive		Conference Paper	10.1109/NetSoft51509.2021.9492542		
82	D. Tsiktsiris	Enhanced Security Framework for Enabling Facial Recognition in Autonomous Shuttles Public Transportation During COVID-19	2021	IFIP Advances in Information and Communication Technology		Conference Paper	10.1007/978-3-030-79150-6_12	627	
83	T. Kotsiopoulos	Machine Learning and Deep Learning in smart manufacturing: The Smart Grid paradigm	2021	Computer Science Review	Q1	Review	10.1016/j.cosrev.2020.100341	40	
84	V. Moysiadis	Smart Farming in Europe	2021	Computer Science Review	Q1	Review	10.1016/j.cosrev.2020.100345	39	
85	G.C. Kryonidis	Ancillary services in active distribution networks: A review of technological trends from operational and online analysis perspective	2021	Renewable and Sustainable Energy Reviews	Q1	Review	10.1016/j.rser.2021.111198	147	
86	K.F. Kollias	The contribution of machine learning and eye-tracking technology in autism spectrum disorder research: A systematic review	2021	Electronics (Switzerland)	Q2	Review	10.3390/electronics10232982	10	23
87	S. Filippidis	A Review of the Cryocooler-Based Cooling Systems for SMES	2021	IEEE Transactions on Applied Superconductivity	Q2	Review	10.1109/TASC.2021.3109799	31	7