

# Mahdi Khosravy

## List of Publications by Year in descending order

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53  
papers

1,286  
citations

304368

22  
h-index

395343

33  
g-index

57  
all docs

57  
docs citations

57  
times ranked

658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Overview of Low Voltage Ride Through Methods of Grid Integrated Wind Generator. IEEE Access, 2019, 7, 99299-99326.	2.6	142
2	A Systematic Review of Metal Oxide Applications for Energy and Environmental Sustainability. Metals, 2020, 10, 1604.	1.0	120
3	Economic data analytic AI technique on IoT edge devices for health monitoring of agriculture machines. Applied Intelligence, 2020, 50, 3990-4016.	3.3	76
4	A Bi-Level Evolutionary Optimization for Coordinated Transmission Expansion Planning. IEEE Access, 2018, 6, 48455-48477.	2.6	60
5	Evolutionary Optimization Based on Biological Evolution in Plants. Procedia Computer Science, 2018, 126, 146-155.	1.2	45
6	Perceptual Adaptation of Image Based on Chevreul's Mach Bands Visual Phenomenon. IEEE Signal Processing Letters, 2017, 24, 594-598.	2.1	41
7	Hydraulic System Onboard Monitoring and Fault Diagnostic in Agricultural Machine. Brazilian Archives of Biology and Technology, 0, 62, .	0.5	34
8	Model Inversion Attack by Integration of Deep Generative Models: Privacy-Sensitive Face Generation From a Face Recognition System. IEEE Transactions on Information Forensics and Security, 2022, 17, 357-372.	4.5	33
9	A theoretical discussion on the foundation of Stone's blind source separation. Signal, Image and Video Processing, 2011, 5, 379-388.	1.7	32
10	New crossover operators for real coded genetic algorithm (RCGA)., 2015, , .		32
11	In-field failure assessment of tractor hydraulic system operation via pseudospectrum of acoustic measurements. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 2718-2729.	0.9	31
12	Incremental Conductance Based Particle Swarm Optimization Algorithm for Global Maximum Power Tracking of Solar-PV under Nonuniform Operating Conditions. Applied Sciences (Switzerland), 2020, 10, 4575.	1.3	31
13	A Forefront Framework for Sustainable Aquaponics Modeling and Design. Sustainability, 2021, 13, 9313.	1.6	30
14	Recognition of Power Quality Issues Associated With Grid Integrated Solar Photovoltaic Plant in Experimental Framework. IEEE Systems Journal, 2021, 15, 3740-3748.	2.9	29
15	ESPRIT associated with filter bank for power-line harmonics, sub-harmonics and inter-harmonics parameters estimation. International Journal of Electrical Power and Energy Systems, 2020, 118, 105731.	3.3	28
16	A Hybrid Fault Recognition Algorithm Using Stockwell Transform and Wigner Distribution Function for Power System Network with Solar Energy Penetration. Energies, 2020, 13, 3519.	1.6	28
17	Particle Swarm Optimization of Morphological Filters for Electrocardiogram Baseline Drift Estimation. Springer Tracts in Nature-inspired Computing, 2020, , 1-21.	1.2	28
18	High Accuracy Power Quality Evaluation under a Colored Noisy Condition by Filter Bank ESPRIT. Electronics (Switzerland), 2019, 8, 1259.	1.8	27

#	ARTICLE	IF	CITATIONS
19	Mendelian evolutionary theory optimization algorithm. <i>Soft Computing</i> , 2020, 24, 14345-14390.	2.1	27
20	Lightweight Artificial Intelligence Technology for Health Diagnosis of Agriculture Vehicles: Parallel Evolving Artificial Neural Networks by Genetic Algorithm. <i>International Journal of Parallel Programming</i> , 2022, 50, 1-26.	1.1	27
21	A Contemporary Novel Classification of Voltage Stability Indices. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1639.	1.3	26
22	Probabilistic Stone's Blind Source Separation with application to channel estimation and multi-node identification in MIMO IoT green communication and multimedia systems. <i>Computer Communications</i> , 2020, 157, 423-433.	3.1	25
23	Value assessment method for expansion planning of generators and transmission networks: a non-iterative approach. <i>Electrical Engineering</i> , 2018, 100, 1405-1420.	1.2	18
24	Channel characterization of low voltage electric power distribution networks for PLC applications based on measurement campaign. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 116, 105554.	3.3	17
25	Compressive sensing in medical signal processing and imaging systems. , 2019, , 69-92.		16
26	Computationally efficient composite transmission expansion planning: A Pareto optimal approach for techno-economic solution. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 63, 917-926.	3.3	15
27	Integration of Renewable Based Distributed Generation for Distribution Network Expansion Planning. <i>Energies</i> , 2022, 15, 1378.	1.6	15
28	An Optimum pre-filter for ICA based multi-input multi-output OFDM System. , 2010, , .		14
29	A Deep Learning-Based Approach for Generation Expansion Planning Considering Power Plants Lifetime. <i>Energies</i> , 2021, 14, 8035.	1.6	12
30	A Game Theory Approach Using the TLBO Algorithm for Generation Expansion Planning by Applying Carbon Curtailment Policy. <i>Energies</i> , 2022, 15, 1172.	1.6	11
31	A review of deterministic sensing matrices. , 2020, , 89-110.		9
32	Smart green ocean underwater IoT network by ICA-based acoustic blind MIMO OFDM transceiver. <i>Earth Science Informatics</i> , 2021, 14, 1073-1081.	1.6	9
33	Lightweight Computational Intelligence for IoT Health Monitoring of Off-Road Vehicles: Enhanced Selection Log-Scaled Mutation GA Structured ANN. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 611-619.	7.2	9
34	Mixed-Integer Linear Programming for Decentralized Multi-Carrier Optimal Energy Management of a Micro-Grid. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3262.	1.3	9
35	Deterministic compressive sensing by chirp codes: a MATLAB® tutorial. , 2020, , 125-144.		8
36	Neural signal compressive sensing. , 2020, , 201-221.		8

#	ARTICLE	IF	CITATIONS
37	Blind components processing a novel approach to array signal processing: A research orientation. , 2015, , .		7
38	Compressive sensing theoretical foundations in a nutshell. , 2020, , 1-24.		7
39	Compressive sensing of electrocardiogram. , 2020, , 165-184.		7
40	Compressive sensing of electroencephalogram: a review. , 2020, , 247-268.		7
41	A PDF-Matched Modification to Stone's Measure of Predictability for Blind Source Separation. Lecture Notes in Computer Science, 2009, , 219-228.	1.0	7
42	Deterministic compressive sensing by chirp codes: a descriptive tutorial. , 2020, , 111-124.		5
43	Optimization of Optical Instruments Under Fluctuations of System Parameters. International Journal of Ambient Computing and Intelligence, 2021, 12, 73-113.	0.8	5
44	Power System Planning and Quality Control. Energies, 2022, 15, 4995.	1.6	5
45	Supraharmonic estimation by polyphase DFT filter bank. Computers and Electrical Engineering, 2021, 92, 107202.	3.0	4
46	Random Acquisition in Compressive Sensing. International Journal of Ambient Computing and Intelligence, 2021, 12, 140-165.	0.8	3
47	ACO-Based Control Strategy in Interconnected Thermal Power System for Regulation of Frequency with HAE and UPFC Unit. Lecture Notes in Networks and Systems, 2021, , 59-71.	0.5	2
48	A Study of Crossover Operators in Genetic Algorithms. Springer Tracts in Nature-inspired Computing, 2022, , 17-32.	1.2	2
49	A descriptive review to sparsity measures. , 2020, , 43-63.		1
50	Alternative Braking Method for Small Scaled-Wind Turbines Connected DC Green House with Analogical Experiment on Blade Destruction. Advances in Science, Technology and Engineering Systems, 2020, 5, 500-511.	0.4	1
51	Evolutionary Machine Learning Powered by Genetics Algorithm for IoT-Specific Health Monitoring of Agriculture Vehicles. Springer Tracts in Nature-inspired Computing, 2022, , 219-235.	1.2	1
52	Optimum Lightweight AI End Device for Health Monitoring of Agriculture Vehicles. Springer Tracts in Nature-inspired Computing, 2022, , 201-217.	1.2	1
53	Implementation of virtual sound source. , 2009, , .		0