

# Hilmy Awad

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

290  
citations

1478505

6  
h-index

1588992

8  
g-index

18  
all docs

18  
docs citations

18  
times ranked

244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordinated power management and control of renewable energy sources based smart grid. International Journal of Emerging Electric Power Systems, 2022, 23, 261-276.	0.8	20
2	Optimal operation of under-frequency load shedding relays by hybrid optimization of particle swarm and bacterial foraging algorithms. AEJ - Alexandria Engineering Journal, 2022, 61, 763-774.	6.4	16
3	Robust Tracker of Hybrid Microgrids by the Invariant-Ellipsoid Set. Electronics (Switzerland), 2021, 10, 1794.	3.1	11
4	Comparison between Hardware and Programming Solutions to Alleviate Influence of Voltage Dips on Wind Energy Systems. , 2021, , .		0
5	Optimisation of the dynamic performance of the photo-voltaic and wind-turbine hybrid-energy system using the particle-swarm optimisation technique. International Journal of Industrial Electronics and Drives, 2020, 5, 78.	0.1	0
6	Hybrid PV/FC System Design and Simulation. , 2019, , .		2
7	Optimization of the Dynamic Performance of the Photo-Voltaic and Wind-Turbine Hybrid-Energy System by the Particle-Swarm Optimization Technique. , 2019, , .		0
8	AC-, DC- and hybrid-configurations of photovoltaic-based houses. International Journal of Industrial Electronics and Drives, 2019, 5, 11.	0.1	0
9	Evaluation of Various Layouts of PV - Based Houses. , 2018, , .		2
10	Experimental Comparison Between Microcontrollers and Programmable Logic Controllers in Sun Tracking Applications. , 2018, , .		3
11	Performance of a PV-wind hybrid system under severe weather and loading conditions. International Journal of Industrial Electronics and Drives, 2018, 4, 145.	0.1	1
12	Performance of a PV-wind hybrid system under severe weather and loading conditions. International Journal of Industrial Electronics and Drives, 2018, 4, 145.	0.1	0
13	An experimental investigation of a self-excited synchronous generator: Loading characteristics and output voltage harmonics. , 2017, , .		0
14	Development and control of a sun tracking system based on stepper motor and 16f877a microcontroller. , 2017, , .		3
15	Tuning Software Phase-Locked Loop for Series-Connected Converters. IEEE Transactions on Power Delivery, 2005, 20, 300-308.	4.3	119
16	Operation of Static Series Compensator Under Distorted Utility Conditions. IEEE Transactions on Power Systems, 2005, 20, 448-457.	6.5	24
17	ENERGY FLOW CONTROL BETWEEN STATIC SERIES COMPENSATOR AND DISTRIBUTION SYSTEMS. Journal of Circuits, Systems and Computers, 2004, 13, 901-918.	1.5	2
18	Mitigation of Unbalanced Voltage Dips Using Static Series Compensator. IEEE Transactions on Power Electronics, 2004, 19, 837-846.	7.9	87