

# Mahmut Temel Özdemir

## List of Publications by Year in descending order

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25  
papers

362  
citations

1040056

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888059

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g-index

25  
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docs citations

25  
times ranked

287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal parameter estimation of polymer electrolyte membrane fuel cells model with chaos embedded particle swarm optimization. International Journal of Hydrogen Energy, 2021, 46, 16465-16480.	7.1	49
2	Comparative Performance Analysis of Optimal PID Parameters Tuning Based on the Optics Inspired Optimization Methods for Automatic Generation Control. Energies, 2017, 10, 2134.	3.1	45
3	Tuning of Optimal Classical and Fractional Order PID Parameters for Automatic Generation Control Based on the Bacterial Swarm Optimization. IFAC-PapersOnLine, 2015, 48, 501-506.	0.9	37
4	A low-cost power management system design for residential hydrogen & solar energy based power plants. International Journal of Hydrogen Energy, 2016, 41, 12569-12581.	7.1	34
5	Effects of fractional-order PI controller on delay margin in single-area delayed load frequency control systems. Journal of Modern Power Systems and Clean Energy, 2019, 7, 380-389.	5.4	31
6	The effects on stability region of the fractional-order PI controller for one-area time-delayed load frequency control systems. Transactions of the Institute of Measurement and Control, 2017, 39, 1509-1521.	1.7	30
7	The effects of the FOPI controller and time delay on stability region of the fuel cell microgrid. International Journal of Hydrogen Energy, 2020, 45, 35064-35072.	7.1	23
8	Development of FPGA based power flow monitoring system in a microgrid. International Journal of Hydrogen Energy, 2014, 39, 8596-8603.	7.1	19
9	An islanded microgrid energy system with an innovative frequency controller integrating hydrogen-fuel cell. Fuel, 2022, 326, 125005.	6.4	19
10	Design of digital IIR filter using Particle Swarm Optimization. , 2017, , .		15
11	An Experimental System for Electrical and Mechanical Education: Micro Hydro Power Plant Prototype. Procedia, Social and Behavioral Sciences, 2012, 47, 2114-2119.	0.5	10
12	Design Optimization of Inverted Switched Reluctance Motor using Ant Colony Optimization Algorithm. , 2018, , .		9
13	A novel optimum PI controller design based on stability boundary locus supported particle swarm optimization in AVR system. Turkish Journal of Electrical Engineering and Computer Sciences, 2021, 29, 291-309.	1.4	9
14	COST ANALYSIS OF MINI HYDRO POWER PLANT USING BACTERIAL SWARM OPTIMIZATION. International Journal of Energy and Smart Grid, 2017, 2, 64-81.	0.7	7
15	Görüş Sistemlerindeki Optimum Otomatik Gerilim Regülasyonu için En İyi Amaç Fonksiyonunun Belirlenmesi. DCEMF Mühendislik Dergisi, 2019, 10, 1-12.	0.2	5
16	A new approach in the cost estimation of a hydroelectric power plants in Türkiye based on geographical features. International Journal of Energy Research, 2022, 46, 20858-20872.	4.5	5
17	Design of Integer Order Approximation Fractional Order Controller with for Automatic Voltage Regulation System. , 2019, , .		3
18	Chaos Embedded Particle Swarm Optimization Technique for Solving Optimal Power Flow Problem. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Modelling to Predict Moisture Ratio in Infrared Drying of Machine Plaster by Particle Swarm Optimization. Current Physical Chemistry, 2020, 10, 126-135.	0.2	3
20	Investigation of Load Frequency Control with Optics Inspired Optimization Algorithm in a Four Area Power System with HVDC Connection Line. , 2019, , .		2
21	Adilcevaz Bölgesinde Rüzgar Enerji Potansiyelinin İncelenmesi. Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, 2020, 9, 204-214.	0.5	2
22	LOAD-FREQUENCY OPTIMIZATION WITH HEURISTIC TECHNIQUES IN A AUTONOMOUS HYBRID AC MICROGRID. International Journal of Energy and Smart Grid, 2017, 2, 2-16.	0.7	2
23	A new approach to the development of a nonlinear model for micro-Pelton turbines. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 1272-1283.	1.4	0
24	The Effects of HVDC Connection Line on Small Signal Stability in Four-Area Power System. , 2019, , .		0
25	Development of a Renewable Energy Based DC Excitation System in a Micro Hydro Power Plant. Journal of Energy and Power Engineering, 2016, 10, .	0.2	0