

Yogendra Arya

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,488
citations

172386

29
h-index

265120

42
g-index

46
all docs

46
docs citations

46
times ranked

713
citing authors

#	ARTICLE	IF	CITATIONS
1	ICA assisted FTI-DN controller for AGC performance enrichment of interconnected reheat thermal power systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 1919-1935.	3.3	23
2	Tidal turbine support in microgrid frequency regulation through novel cascade Fuzzy-FOPID droop in de-loaded region. <i>ISA Transactions</i> , 2023, 133, 218-232.	3.1	17
3	Utilization of energy storage devices with optimal controller for multi-area hydro-hydro power system under deregulated environment. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102191.	1.7	19
4	Frequency stabilization in sustainable energy sources integrated power systems using novel cascade noninteger fuzzy controller. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 6213-6235.	1.2	17
5	AGC performance amelioration in multi-area interconnected thermal and thermal-hydro-gas power systems using a novel controller. <i>Engineering Science and Technology, an International Journal</i> , 2021, 24, 384-396.	2.0	60
6	Cascade-D ^{1/4} -N controller design for AGC of thermal and hydrothermal power systems integrated with renewable energy sources. <i>IET Renewable Power Generation</i> , 2021, 15, 504-520.	1.7	93
7	Impact of ultracapacitor and redox flow battery with JAYA optimization for frequency stabilization in linked photovoltaic-thermal system. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e12883.	1.2	54
8	Y ^{1/4} k frekans kontrolünde kullanılan ikincil denetleyicilerin optimizasyonuna yönelik yeni bir hedef fonksiyonu tasarımı. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2021, 36, 2053-2068.	0.3	2
9	(1+PD)-PID cascade controller design for performance betterment of load frequency control in diverse electric power systems. <i>Neural Computing and Applications</i> , 2021, 33, 15433-15456.	3.2	86
10	Heuristic optimization based dynamic weighted state feedback approach for 2DOF PI-controller in automatic voltage regulator. <i>Engineering Science and Technology, an International Journal</i> , 2021, 24, 899-910.	2.0	39
11	Advancement of the search process of salp swarm algorithm for global optimization problems. <i>Expert Systems With Applications</i> , 2021, 182, 115292.	4.4	60
12	Frequency stabilization in deregulated energy system using coordinated operation of fuzzy controller and redox flow battery. <i>International Journal of Energy Research</i> , 2021, 45, 7457-7475.	2.2	75
13	A novel CFFOPI-FOPID controller for AGC performance enhancement of single and multi-area electric power systems. <i>ISA Transactions</i> , 2020, 100, 126-135.	3.1	88
14	Optimal Automatic Generation Control with Hydro, Thermal, Gas, and Wind Power Plants in 2-Area Interconnected Power System. <i>Electric Power Components and Systems</i> , 2020, 48, 558-571.	1.0	62
15	Integrating layered recurrent ANN with robust control strategy for diverse operating conditions of AGC of the power system. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 3886-3895.	1.4	55
16	Automatic generation control for single area power system using GNA tuned PID controller. <i>Journal of Physics: Conference Series</i> , 2020, 1478, 012011.	0.3	4
17	Effect of electric vehicles on load frequency control in interconnected thermal and hydrothermal power systems utilising CFOPID controller. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 2666-2675.	1.4	109
18	Frequency excursion mitigation strategy using a novel COA optimised fuzzy controller in wind integrated power systems. <i>IET Renewable Power Generation</i> , 2020, 14, 4071-4085.	1.7	58

#	ARTICLE	IF	CITATIONS
19	Impact of ultra-capacitor on automatic generation control of electric energy systems using an optimal FFOID controller. International Journal of Energy Research, 2019, 43, 8765.	2.2	38
20	A new optimized fuzzy FOPI-FOPD controller for automatic generation control of electric power systems. Journal of the Franklin Institute, 2019, 356, 5611-5629.	1.9	125
21	Effect of energy storage systems on automatic generation control of interconnected traditional and restructured energy systems. International Journal of Energy Research, 2019, 43, 6475-6493.	2.2	70
22	Impact of hydrogen aqua electrolyzer-fuel cell units on automatic generation control of power systems with a new optimal fuzzy TIDF-II controller. Renewable Energy, 2019, 139, 468-482.	4.3	104
23	AGC of PV-thermal and hydro-thermal power systems using CES and a new multi-stage FPIDF-(1+PI) controller. Renewable Energy, 2019, 134, 796-806.	4.3	111
24	AGC of restructured multi-area multi-source hydrothermal power systems incorporating energy storage units via optimal fractional-order fuzzy PID controller. Neural Computing and Applications, 2019, 31, 851-872.	3.2	64
25	Optimal Power-Frequency Control in Deregulated Thermal, Hydro and Hydrothermal Power Systems with AC-DC Links. Recent Advances in Electrical and Electronic Engineering, 2019, 12, 414-424.	0.2	2
26	Automatic generation control of two-area electrical power systems via optimal fuzzy classical controller. Journal of the Franklin Institute, 2018, 355, 2662-2688.	1.9	110
27	A Comparative Analysis of AGC of Two-area Hydro-Thermal Power System Interconnected with AC-DC Parallel Link in Restructured Power System. , 2018, , .		1
28	AGC of two-area electric power systems using optimized fuzzy PID with filter plus double integral controller. Journal of the Franklin Institute, 2018, 355, 4583-4617.	1.9	71
29	Improvement in automatic generation control of two-area electric power systems via a new fuzzy aided optimal PIDN-FOI controller. ISA Transactions, 2018, 80, 475-490.	3.1	134
30	Design and analysis of BFOA-optimized fuzzy PI/PID controller for AGC of multi-area traditional/restructured electrical power systems. Soft Computing, 2017, 21, 6435-6452.	2.1	89
31	Optimal control strategy-based AGC of electrical power systems: A comparative performance analysis. Optimal Control Applications and Methods, 2017, 38, 982-992.	1.3	60
32	AGC performance enrichment of multi-source hydrothermal gas power systems using new optimized FOFPID controller and redox flow batteries. Energy, 2017, 127, 704-715.	4.5	125
33	BFOA-scaled fractional order fuzzy PID controller applied to AGC of multi-area multi-source electric power generating systems. Swarm and Evolutionary Computation, 2017, 32, 202-218.	4.5	126
34	Optimal automatic generation control of two-area power systems with energy storage units under deregulated environment. Journal of Renewable and Sustainable Energy, 2017, 9, .	0.8	46
35	Comparative performance investigation of optimal controller for AGC of electric power generating systems. Automatika, 2016, 57, 902-921.	1.2	42
36	Fuzzy Gain Scheduling Controllers for Automatic Generation Control of Two-area Interconnected Electrical Power Systems. Electric Power Components and Systems, 2016, 44, 737-751.	1.0	51

#	ARTICLE	IF	CITATIONS
37	Optimal AGC with redox flow batteries in multi-area restructured power systems. Engineering Science and Technology, an International Journal, 2016, 19, 1145-1159.	2.0	31
38	AGC of a two-area multi-source power system interconnected via AC/DC parallel links under restructured power environment. Optimal Control Applications and Methods, 2016, 37, 590-607.	1.3	40
39	AGC of a multi-area multi-source hydrothermal power system interconnected via AC/DC parallel links under deregulated environment. International Journal of Electrical Power and Energy Systems, 2016, 75, 127-138.	3.3	87
40	Two-area AGC in interconnected system under the restructured power system using BFO controller. , 2014, , .		7
41	Two-area AGC in interconnected system under the restructured power system using BFO controller. , 2014, , .		4
42	Application of hybrid fuzzy PID controller for three-area power system with generation rate constraint. International Journal of Energy Technology and Policy, 2012, 8, 159.	0.1	7
43	A Novel Approach for Load Frequency Control of Interconnected Thermal Power Stations. International Journal of Energy Optimization and Engineering, 2012, 1, 85-95.	0.4	14
44	Automatic Generation Control in Multi Area Interconnected Power System by using HVDC Links. International Journal of Power Electronics and Drive Systems, 2012, 2, .	0.5	4
45	Fuzzy Logic Based Frequency Control of Four-Area Electrical Power System Considering Non-Linearities and Boiler Dynamics. International Journal of Electrical and Power Engineering, 2011, 5, 203-213.	0.1	3