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Frequency Control of Future Power Systems: Reviewing and Evaluating the Challenges and New Control Methods	MTM Zeyad Assi Obaid, L. M. Cipcigan	178 *	2018	
	Journal of Modern Power Systems and Clean Energy, 2018			
Design and implementation of FPGA-based systems-a review	ZAO Nasri Sulaiman, MH Marhaban, MN Hamidon	108	2009	
	Australian Journal of Basic and Applied Sciences 3 (4), 3575-3596, 2009			
Power system oscillations and control: Classifications and PSSs' design methods: A review	ZA Obaid, LM Cipcigan, MT Muhssin	83	2017	
	Elsevier Renewable & Sustainable Energy Reviews 79, 839–849, 2017			
FPGA-based fuzzy logic: design and applications-a review	N Sulaiman, ZA Obaid, MH Marhaban, MN Hamidon	67	2009	
	International Journal of Engineering and Technology 1 (5), 491, 2009			
Dynamic frequency response from controlled domestic heat pumps	MT Muhssin, LM Cipcigan, N Jenkins, S Slater, M Cheng, ZA Obaid	48	2018	
	IEEE Transactions on power systems 33 (5), 4948-4957, 2018			
Potential of demand side response aggregation for the stabilization of the grids frequency	MT Muhssin, LM Cipcigan, SS Sami, ZA Obaid	36	2018	
	Applied energy 220, 643-656, 2018			
FPGA-based implementation of digital logic design using Altera DE2 board	ZA Obaid, N Sulaiman, MN Hamidon	33	2009	
	International journal of computer science and network security 9 (8), 186-194, 2009			
Developed method of FPGA-based fuzzy logic controller design with the aid of conventional PID algorithm	ZA Obaid, N Sulaiman, MN Hamidon	33	2009	
	Australian Journal of Basic and Applied Sciences 3 (3), 2724-2740, 2009			
Fuzzy hierachal approach-based optimal frequency control in the Great Britain power system	MTM Zeyad Assi Obaid, L. M. Cipcigan	32	2016	
	Electric Power Systems Research 141, 529-537, 2016			
Genetic algorithm tuning based PID controller for liquid-level tank system	MO Ali, SP Koh, KH Chong, SK Tiong, ZA Obaid	30 *	2009	
	Proceedings of the International Conference on Man-Machine Systems (ICoMMS ..., 2009			
A novel adaptive deadbeat-based control for load frequency control of low inertia system in interconnected zones north and south of Scotland	MT Muhssin, LM Cipcigan, ZA Obaid, WF Al-Ansari	29	2017	

TITLE	CITED BY	YEAR
International Journal of Electrical Power & Energy Systems 89, 52-61, 2017		
Control of a population of battery energy storage systems for frequency response ZA Obaid, LM Cipcigan, MT Muhssin, SS Sami International Journal of Electrical Power & Energy Systems 115, 105463, 2020	25	2020
Small Microgrid stability and performance analysis in isolated island ZAO M. T. Muhssin, L. M. Cipcigan 2015 50th International Universities Power Engineering Conference (UPEC), 1-6, 2015	23	2015
Analysis and performance evaluation of PD-like fuzzy logic controller design based on MATLAB and FPGA ZA Obaid, N Sulaiman, MH Marhaban, MN Hamidon Common Knowl 10 (11), 2010	21	2010
Local dynamic frequency response using domestic electric vehicles MT Muhssin, ZA Obaid, K Al-Anbarri, LM Cipcigan, MN Ajaweed International Journal of Electrical Power & Energy Systems 130, 106920, 2021	16	2021
Modelling of a population of Heat Pumps as a Source of load in the Great Britain power system MT Muhssin, LM Cipcigan, N Jenkins, M Cheng, ZA Obaid 2016 international conference on smart systems and technologies (SST), 109-113, 2016	14	2016
MATLAB: a ubiquitous tool for the practical engineer C Ionescu BoD–Books on Demand, 2011	13	2011
A model reference-based adaptive PSS4B stabilizer for the multi-machines power system ZA Obaid, MT Muhssin, LM Cipcigan Electrical Engineering 102 (1), 349-358, 2020	11	2020
Analysis of the Great Britain's power system with Electric Vehicles and Storage Systems ZA Obaid, LM Cipcigan, MT Muhsin 18th International Conference on Intelligent System Application to Power ..., 2015	11	2015
Development of a water heater population control for the demand-side frequency control ZA Obaid, LM Cipcigan, MT Muhssin, SS Sami 2017 IEEE PES innovative smart grid technologies conference Europe (ISGT ..., 2017	10	2017