M E El-Hawary

List of Publications by Year
in descending order

26 papers	204 citations	1040056 9 h-index	1058476 14 g-index
26 all docs	26 docs citations	26 times ranked	94 citing authors

#	Article	IF	Citations
1	The Hydrothermal Optimal Load Flow, A Practical Formulation and Solution Techniques Using Newton's Approach. IEEE Transactions on Power Systems, 1986, 1, 157-166.	6.5	33
2	Performance Evaluation of Parameter Estimation Algorithms for Economic Operation of Power Systems. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1982, PAS-101, 574-582.	0.4	28
3	Optimum Operation of Fixed-Head Hydro-Thermal Electric Power Systems: Powell's Hybrid Method Versus Newton-Raphson Method. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1982, PAS-101, 547-554.	0.4	22
4	Hydrothermal load flow using functional analysis. Journal of Optimization Theory and Applications, 1973, 12, 576-587.	1.5	19
5	SELECTION OF BUSES FOR DETAILED MODELING IN LOAD FLOW STUDIES. Electric Power Components and Systems, 1987, 12, 83-92.	0.1	13
6	Stochastic Optimal Load Flow Using Newton-Raphson Iterative Technique. Electric Power Components and Systems, 1988, 15, 371-380.	0.1	12
7	TIME DOMAIN ESTIMATION TECHNIQUES FOR HARMONIC LOAD MODELS. Electric Power Components and Systems, 1997, 25, 885-896.	0.1	11
8	Optimal Parameter Estimation for Hydro-Plant Performance Models in Economic Operation Studies. IEEE Transactions on Power Systems, 1986, 1, 126-131.	6.5	10
9	The Alpah-Modified Quasi-Second Order Newton-Raphson Method for Load Fow Solutions in Rectangular Form. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1982, PAS-101, 854-866.	0.4	9
10	ELECTRIC POWER SYSTEM STATIC LOAD MODEL PARAMETER ESTIMATION USING NEWTON'S METHOD. Electric Power Components and Systems, 1988, 14, 317-328.	0.1	7
11	THE HYDRO-THERMAL OPTIMAL POWER FLOW PROBLEM IN RECTANGULAR COORDINATES. Electric Power Components and Systems, 1988, 14, 295-315.	0.1	7
12	LOAD MODELING IN OPTIMAL POWER FLOW RECOGNIZING VOLTAGE LIMITS. Electric Power Components and Systems, 1989, 17, 15-27.	0.1	7
13	A study of estimation techniques for frequency-relaying applications. Canadian Journal of Electrical and Computer Engineering, 1996, 21, 9-20.	2.0	7
14	Effects of hydro models on optimal operation of variable head hydro-thermal systems. Canadian Journal of Electrical and Computer Engineering, 1988, 13, 112-119.	2.0	4
15	The Alpha-Modified Quasi-Second Order Newton-Raphson Method for Load Flow Solutions in Rectangular Form. IEEE Power Engineering Review, 1982, PER-2, 32-33.	0.1	3
16	Effect of Loads Fed by Fixed Tap Transformers on Conventional OPF Solutions. Electric Power Components and Systems, 1992, 20, 505-512.	0.1	3
17	OPTIMAL ECONOMIC OPERATION OF THERMAL AND VARIABLE HEAD HYDRO SYSTEMS USING HAMILTON-LAMONT'S MODEL AND NEWTON-RAPHSON METHOD. Electric Power Components and Systems, 1987, 12, 93-121.	0.1	2
18	MODELING THE INCREMENTAL COST AND WATER CONVERSION FUNCTIONS FOR HYDRO-THERMAL COORDINATION STUDIES. Electric Power Components and Systems, 1991, 19, 271-285.	0.1	2

#	Article	IF	Citations
19	Optimal parameter estimation for basic problems of economic operation in electric power systems. Optimal Control Applications and Methods, 1981, 2, 269-287.	2.1	2
20	Optimal active–reactive hydro–thermal schedules using functional analysis. Optimal Control Applications and Methods, 1980, 1, 239-249.	2.1	1
21	COMPARATIVE STUDY OF DIFFERENT FORMULATIONS IN HYDRO-THERMAL OPTIMAL LOAD FLOW PROBLEM. Electric Power Components and Systems, 1989, 16, 89-105.	0.1	1
22	A GENERAL OVERVIEW OF MULTIPLE OBJECTIVE OPTIMAL POWER FLOW IN HYDROTHERMAL ELECTRIC POWER SYSTEMS. Electric Power Components and Systems, 1991, 19, 313-327.	0.1	1
23	Optimum hydrothermal electric energy system scheduling: Challenges and opportunities in research and development in Canada. Canadian Electrical Engineering Journal, 1979, 4, 33-36.	0.1	0
24	Optimum Operation of Fixed-Head Hydro-Thermal Electric Power Systems: Powell's Hybrid Method Versus Newton-Raphson Method. IEEE Power Engineering Review, 1982, PER-2, 17-18.	0.1	0
25	MINIMUM LOSS POWER FLOW IN HYDRO THERMAL ELECTRIC POWER SYSTEMS BASED ON KRON'S LOSS FORMULA. Electric Power Components and Systems, 1989, 16, 149-156.	0.1	0
26	SHORT-TERM LOAD FORECASTING USING WEIGHTED LEAST ABSOLUTE VALUE FILTER. Electric Power Components and Systems, 1997, 25, 295-303.	0.1	0