A Gomes Martins

List of Publications by Year
in descending order

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62 papers	1,420 citations	331259 21 h-index	344852 36 g-index
65 all docs	65 docs citations	65 times ranked	1453 citing authors

#	Article	IF	Citations
1	A multiple objective mixed integer linear programming model for power generation expansion planning. Energy, 2004, 29, 613-627.	4.5	148
2	Evaluation of electrochromic windows impact in the energy performance of buildings in Mediterranean climates. Energy Policy, 2014, 67, 68-81.	4.2	87
3	A Multiple Objective Approach to Direct Load Control Using an Interactive Evolutionary Algorithm. IEEE Transactions on Power Systems, 2007, 22, 1004-1011.	4.6	80
4	NSGA-II with local search for a multi-objective reactive power compensation problem. International Journal of Electrical Power and Energy Systems, 2012, 43, 313-324.	3.3	79
5	Energy efficient building design using sensitivity analysisâ€"A case study. Energy and Buildings, 2007, 39, 23-31.	3.1	77
6	A multi-objective evolutionary algorithm for reactive power compensation in distribution networks. Applied Energy, 2009, 86, 977-984.	5.1	66
7	Structuring an MCDA model using SSM: A case study in energy efficiency. European Journal of Operational Research, 2009, 199, 834-845.	3.5	65
8	Designing the input vector to ANN-based models for short-term load forecast in electricity distribution systems. International Journal of Electrical Power and Energy Systems, 2007, 29, 338-347.	3.3	64
9	Control criteria of electrochromic glasses for energy savings in mediterranean buildings refurbishment. Solar Energy, 2016, 134, 236-250.	2.9	63
10	A multi-criteria decision approach to sorting actions for promoting energy efficiency. Energy Policy, 2008, 36, 2351-2363.	4.2	62
11	A Multiobjective Model for VAR Planning in Radial Distribution Networks Based on Tabu Search. IEEE Transactions on Power Systems, 2005, 20, 1089-1094.	4.6	50
12	A multiple objective decision support model for the selection of remote load control strategies. IEEE Transactions on Power Systems, 2000, 15, 865-872.	4.6	49
13	A Multiple Objective Evolutionary Approach for the Design and Selection of Load Control Strategies. IEEE Transactions on Power Systems, 2004, 19, 1173-1180.	4.6	48
14	Source Reliability in a Combined Wind-Solar-Hydro System. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1983, PAS-102, 1515-1520.	0.4	41
15	A multiple objective linear programming model for power generation expansion planning. International Journal of Energy Research, 1995, 19, 419-432.	2.2	41
16	MCDA and Energy Planning. , 2005, , 859-890.		40
17	The challenging paradigm of interrelated energy systems towards a more sustainable future. Renewable and Sustainable Energy Reviews, 2018, 95, 171-193.	8.2	36
18	Using SSM to rethink the analysis of energy efficiency initiatives. Journal of the Operational Research Society, 2004, 55, 968-975.	2.1	29

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19	Development and Application of Competencies for Graduate Programs in Energy and Sustainability. Journal of Professional Issues in Engineering Education and Practice, 2011, 137, 198-207.	0.9	28
20	Dealing with the paradox of energy efficiency promotion by electric utilities. Energy, 2013, 57, 251-258.	4.5	27
21	USING SSM FOR STRUCTURING DECISION SUPPORT IN URBAN ENERGY PLANNING / OPERACINÄ–S SISTEMOS METODOLOGIJOS TAIKYMAS PLANUOJANT MIESTO ENERGETIKÄ„. Technological and Economic Development of Economy, 2010, 16, 641-653.	2.3	25
22	Simulation-based assessment of electric load management programs. International Journal of Energy Research, 1999, 23, 169-181.	2.2	24
23	Short-term load forecast using trend information and process reconstruction. International Journal of Energy Research, 2006, 30, 811-822.	2.2	18
24	Fostering investment on energy efficient appliances in Indiaâ€“A multi-perspective economic input-output lifecycle assessment. Energy, 2018, 149, 1022-1035.	4.5	14
25	Methodology for real impact assessment of the best location of distributed electric energy storage. Sustainable Cities and Society, 2016, 26, 531-542.	5.1	12
26	Design of an adaptive mutation operator in an electrical load management case study. Computers and Operations Research, 2008, 35, 2925-2936.	2.4	11
27	A PC-based simulation package for supporting end-user demand side energy management strategies. IEEE Transactions on Power Systems, 1991, 6, 897-903.	4.6	10
28	Physically-based load demand models for assessing electric load control actions. , 2009, , .		10
29	Methodology to simulate the impact of a large deployment of a residential energy management system in the electricity grid. Electric Power Systems Research, 2014, 116, 399-407.	2.1	10
30	Using clustering techniques to provide simulation scenarios for the smart grid. Sustainable Cities and Society, 2016, 26, 447-455.	5.1	9
31	Maximum demand control: a survey and comparative evaluation of different methods. IEEE Transactions on Power Systems, 1993, 8, 1013-1019.	4.6	8
32	On the use of reactive power as an endogenous variable in short-term load forecasting. International Journal of Energy Research, 2003, 27, 513-529.	2.2	8
33	Assessment of energyâ€efficient appliances: A review of the technologies and policies in India's residential sector. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e330.	1.9	8
34	An automated energy management system in a smart grid context. , 2012, , .		7
35	Energy planning in urban historical centres A methodological approach with a case-study. Energy Policy, 1998, 26, 1153-1165.	4.2	6
36	The impact of electrochromic windows on the energy performance of buildings in Mediterranean climates. , 2015, , 499-524.		5

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37	Portuguese Plan for Promoting Efficiency of Electricity End-Use: Policy, Methodology and Consumer Participation. Energies, 2018, 11, 1137.	1.6	5
38	A Multiperspective Assessment of Best Available Energy End-Use Technologies in Indiaâ€™s Households. Process Integration and Optimization for Sustainability, 2019, 3, 89-99.	1.4	5
39	Stability analysis of efficient solutions in multiobjective integer programming: A case study in load management. Computers and Operations Research, 2008, 35, 186-197.	2.4	4
40	Improving the responsiveness of NSGA-II using an adaptive mutation operator: a case study. International Journal of Advanced Intelligence Paradigms, 2010, 2, 4.	0.2	4
41	Efficient lighting in buildings: The lack of legislation in Portugal. Energy Policy, 2014, 67, 82-86.	4.2	4
42	Assessment of the behavior of protection systems in radial networks with distributed generation. , 2016, , .		4
43	Multiobjective assessment of distributed energy storage location in electricity networks. International Journal of Sustainable Energy, 2017, 36, 577-591.	1.3	4
44	Next hour load forecast in medium voltage electricity distribution. International Journal of Energy Sector Management, 2008, 2, 439-448.	1.2	3
45	World-wide non-mandatory involvement of electricity utilities in the promotion of energy efficiency and the Portuguese experience. Renewable and Sustainable Energy Reviews, 2013, 22, 319-331.	8.2	3
46	Evaluation of service quality of distribution systems with critically located generators. International Transactions on Electrical Energy Systems, 2021, 31, e12852.	1.2	3
47	Societal objectives as drivers in the search for criteria weights when ranking energy efficiency measures. Energy Policy, 2012, 48, 562-575.	4.2	2
48	Multiobjective Methodology for Assessing the Location of Distributed Electric Energy Storage. Lecture Notes in Computer Science, 2015, , 227-238.	1.0	2
49	Passive and Active Anti-Resonance Capacitor Systems for Power Factor Correction. , 2006, , .		2
50	Correction to "A Multiple Objective Evolutionary Approach for the Design and Selection of Load Control Strategies". IEEE Transactions on Power Systems, 2004, 19, 2124-2124.	4.6	1
51	Dealing with Solution Diversity in an EA for Multiple Objective Decision Support â€“ A Case Study. Lecture Notes in Computer Science, 2004, , 104-113.	1.0	1
52	Assessing the impact of energy efficiency measures on load diagram shapeâ€”a case study in the Portuguese residential sector. Energy Efficiency, 2021, 14, 1.	1.3	1
53	Multi-Objective Evolutionary Approaches for Reactive Power Planning in Electrical Networks - an Overview. , 2007, , .		0
54	A two-phase decision support approach for the selection of load control actions. , 2008, , .		0

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55	Improving the Responsiveness of NSGA-II in Dynamic Environments Using an Adaptive Mutation Operator â€“ A Case Study. Lecture Notes in Computer Science, 2008, , 90-97.	1.0	0
56	Network impact of residential energy management systems at city scale. , 2018, , .		0
57	Influence of the management perspective for choosing the best location for Distributed electric energy storage units. , 2018, , .		0
58	The Role of Demand Response in Power Systems With Low Inertia. , 2018, , .		0
59	Efficient Approaches to Adapt Radial Network Protection Systems to Distributed Power Injections. , 2019, , .		0
60	Resource-efficient nondomestic buildings: Intertwining behaviour and technology. , 2020, , 109-127.		0
61	MEASUREMENT OF ACTIVE AND REACTIVE POWER FOR REAL-TIME POWER SYSTEMS CONTROL. , 1984, , 470-474.		0
62	Adaptability of the Recloser-Fuse Protection Scheme in the Presence of Distributed Generation. Journal of Energy and Power Engineering, 2020, 14, .	0.2	0