

Andreas Poulikkas

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

5,134
citations

331670

21
h-index

182427

51
g-index

66
all docs

66
docs citations

66
times ranked

6295
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-optimization of active power curtailment, load shedding and spinning reserve deficits through hybrid approach: Comparison of electrochemical storage technologies. IET Renewable Power Generation, 2022, 16, 92-104.	3.1	8
2	A novel cluster-based spinning reserve dynamic model for wind and PV power reinforcement. Energy, 2021, 234, 121270.	8.8	16
3	Toward Hydrogen Economy – The Energy Transition of Cyprus. , 2021, , 1-26.		0
4	Evolutionary Priority-Based Dynamic Programming for the Adaptive Integration of Intermittent Distributed Energy Resources in Low-Inertia Power Systems. Eng, 2021, 2, 643-660.	2.4	7
5	Optimal planning of electricity storage to minimize operating reserve requirements in an isolated island grid. Energy Systems, 2020, 11, 1157-1174.	3.0	12
6	Sustainable Services to Enhance Flexibility in the Upcoming Smart Grids. Green Energy and Technology, 2020, , 245-274.	0.6	8
7	Enhanced Lagrange relaxation for the optimal unit commitment of identical generating units. IET Generation, Transmission and Distribution, 2020, 14, 3920-3928.	2.5	16
8	Life cycle cost analysis of electricity storage facilities in flexible power systems. International Journal of Sustainable Energy, 2019, 38, 752-772.	2.4	15
9	Renewable energy integration through optimal unit commitment and electricity storage in weak power networks. International Journal of Sustainable Energy, 2019, 38, 398-414.	2.4	24
10	Cost metrics of electrical energy storage technologies in potential power system operations. Sustainable Energy Technologies and Assessments, 2018, 25, 43-59.	2.7	84
11	Comparative analysis of power augmentation in air bottoming cycles. International Journal of Sustainable Energy, 2017, 36, 47-60.	2.4	7
12	A comparative overview of hydrogen production processes. Renewable and Sustainable Energy Reviews, 2017, 67, 597-611.	16.4	1,842
13	Modelling of auctioning mechanism for solar photovoltaic capacity. International Journal of Sustainable Energy, 2016, 35, 875-886.	2.4	0
14	Prospective scenarios for the adoption of sustainable power generation technologies in United Arab Emirates. International Journal of Sustainable Energy, 2015, 34, 23-37.	2.4	5
15	Review of Design, Operating, and Financial Considerations in Flue Gas Desulfurization Systems. Energy Technology & Policy, 2015, 2, 92-103.	1.1	88
16	Parametric analysis for the implementation of wind power in United Arab Emirates. Renewable and Sustainable Energy Reviews, 2015, 52, 635-644.	16.4	2
17	Sustainable options for electric vehicle technologies. Renewable and Sustainable Energy Reviews, 2015, 41, 1277-1287.	16.4	235
18	Storage Solutions for Power Quality Problems in Cyprus Electricity Distribution Network. AIMS Energy, 2014, 2, 1-17.	1.9	6

#	ARTICLE	IF	CITATIONS
19	A comparative overview of large-scale battery systems for electricity storage. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 778-788.	16.4	447
20	A comparative assessment of net metering and feed in tariff schemes for residential PV systems. <i>Sustainable Energy Technologies and Assessments</i> , 2013, 3, 1-8.	2.7	117
21	Assessment of solar electricity production in the United Arab Emirates. <i>International Journal of Sustainable Energy</i> , 2013, 32, 631-642.	2.4	10
22	Parametric assessment of concentrated photovoltaic parks for the Mediterranean region. <i>International Journal of Sustainable Energy</i> , 2013, 32, 42-52.	2.4	3
23	Upscaling of an Innovative Cogeneration CSP System. <i>Conference Papers in Energy</i> , 2013, 2013, 1-6.	0.6	4
24	A Measure of Capacity Contribution of Static Mono-Si Photovoltaic Systems. <i>Conference Papers in Energy</i> , 2013, 2013, 1-6.	0.6	1
25	Comparative Assessment of an Innovative Dry-Cooled CSP System. <i>Conference Papers in Energy</i> , 2013, 2013, 1-10.	0.6	5
26	Power Options for the Eastern Mediterranean Region. <i>Conference Papers in Energy</i> , 2013, 2013, 1-2.	0.6	2
27	Lost in the National Labyrinths of Bureaucracy: The Case of Renewable Energy Governance in Cyprus. <i>Lecture Notes in Energy</i> , 2013, , 169-181.	0.3	0
28	Cost-benefit analysis for the installation of cogeneration CSP technology in Cyprus. <i>AIMS Energy</i> , 2013, 1, 48-62.	1.9	0
29	The costs of power outages: A case study from Cyprus. <i>Energy Policy</i> , 2012, 51, 630-641.	8.8	48
30	A hybrid model for the optimum integration of renewable technologies in power generation systems. <i>Energy Policy</i> , 2011, 39, 926-935.	8.8	28
31	An Optimization Model for the Integration of Renewable Technologies in Power Generation Systems. , 2011, , .		3
32	The cost of integration of parabolic trough CSP plants in isolated Mediterranean power systems. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1469-1476.	16.4	34
33	Parametric analysis for the installation of solar dish technologies in Mediterranean regions. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 2772-2783.	16.4	62
34	An optimization model for the production of desalinated water using photovoltaic systems. <i>Desalination</i> , 2010, 258, 100-105.	8.2	5
35	Parametric cost-benefit analysis for the installation of photovoltaic parks in the island of Cyprus. <i>Energy Policy</i> , 2009, 37, 3673-3680.	8.8	38
36	Overview of current and future energy storage technologies for electric power applications. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 1513-1522.	16.4	1,125

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37	Economic analysis of power generation from parabolic trough solar thermal plants for the Mediterranean region—A case study for the island of Cyprus. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2474-2484.	16.4	129
38	Assessment of oxyfuel power generation technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2637-2644.	16.4	54
39	The cost of integration of zero emission power plants—A case study for the island of Cyprus. <i>Energy Policy</i> , 2009, 37, 669-679.	8.8	4
40	Assessment of integrated gasification combined cycle technology competitiveness. <i>Renewable and Sustainable Energy Reviews</i> , 2008, 12, 2459-2471.	16.4	44
41	Assessment of Future Sustainable Power Technologies with Carbon Capture and Storage. <i>International Journal of Emerging Electric Power Systems</i> , 2008, 9, .	0.8	4
42	Implementation of distributed generation technologies in isolated power systems. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 30-56.	16.4	72
43	An overview of current and future sustainable gas turbine technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2005, 9, 409-443.	16.4	253
44	Operating cost and water economy of mixed air steam turbines. <i>Applied Thermal Engineering</i> , 2005, 25, 1949-1960.	6.0	5
45	Technical and economic analysis for the integration of small reverse osmosis desalination plants into MAST gas turbine cycles for power generation. <i>Desalination</i> , 2005, 172, 145-150.	8.2	6
46	Cost-benefit analysis for the use of additives in heavy fuel oil fired boilers. <i>Energy Conversion and Management</i> , 2004, 45, 1725-1734.	9.2	20
47	Parametric study for the penetration of combined cycle technologies into Cyprus power system. <i>Applied Thermal Engineering</i> , 2004, 24, 1697-1707.	6.0	21
48	The use of sustainable combined cycle technologies in Cyprus: a case study for the use of LOTHECO cycle. <i>Renewable and Sustainable Energy Reviews</i> , 2004, 8, 521-544.	16.4	4
49	Effects of two-phase liquid-gas flow on the performance of nuclear reactor cooling pumps. <i>Progress in Nuclear Energy</i> , 2003, 42, 3-10.	2.9	51
50	The method of fundamental solutions for three-dimensional elastostatics problems. <i>Computers and Structures</i> , 2002, 80, 365-370.	4.4	58
51	The Method of Fundamental Solutions in Three-Dimensional Elastostatics. <i>Lecture Notes in Computer Science</i> , 2002, , 747-755.	1.3	3
52	A Technology Selection Algorithm for Independent Power Producers. <i>Electricity Journal</i> , 2001, 14, 80-84.	2.5	14
53	Optimization algorithm for reverse osmosis desalination economics. <i>Desalination</i> , 2001, 133, 75-81.	8.2	31
54	The Method of Fundamental Solutions for Stokes flows with a free surface. <i>Numerical Methods for Partial Differential Equations</i> , 1998, 14, 667-678.	3.6	14

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55	Comparison of two methods for the computation of singular solutions in elliptic problems. Journal of Computational and Applied Mathematics, 1997, 79, 277-287.	2.0	20
56	Surface Roughness Effects on Induced Flow and Frictional Resistance of Enclosed Rotating Disks. Journal of Fluids Engineering, Transactions of the ASME, 1995, 117, 526-528.	1.5	15