

# 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	A comparative overview of hydrogen production processes. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 597-611.	16.4	1,842
2	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
3	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
4	An overview of current and future sustainable gas turbine technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2005, 9, 409-443.	16.4	253
5	Sustainable options for electric vehicle technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1277-1287.	16.4	235
6	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
7	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
8	Review of Design, Operating, and Financial Considerations in Flue Gas Desulfurization Systems. <i>Energy Technology &amp; Policy</i> , 2015, 2, 92-103.	1.1	88
9	Cost metrics of electrical energy storage technologies in potential power system operations. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 25, 43-59.	2.7	84
10	Implementation of distributed generation technologies in isolated power systems. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 30-56.	16.4	72
11	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
12	The method of fundamental solutions for three-dimensional elastostatics problems. <i>Computers and Structures</i> , 2002, 80, 365-370.	4.4	58
13	Assessment of oxyfuel power generation technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2637-2644.	16.4	54
14	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
15	The costs of power outages: A case study from Cyprus. <i>Energy Policy</i> , 2012, 51, 630-641.	8.8	48
16	Assessment of integrated gasification combined cycle technology competitiveness. <i>Renewable and Sustainable Energy Reviews</i> , 2008, 12, 2459-2471.	16.4	44
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Optimization algorithm for reverse osmosis desalination economics. <i>Desalination</i> , 2001, 133, 75-81.	8.2	31
20	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
21	Renewable energy integration through optimal unit commitment and electricity storage in weak power networks. <i>International Journal of Sustainable Energy</i> , 2019, 38, 398-414.	2.4	24
22	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
23	Comparison of two methods for the computation of singular solutions in elliptic problems. <i>Journal of Computational and Applied Mathematics</i> , 1997, 79, 277-287.	2.0	20
24	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
25	A novel cluster-based spinning reserve dynamic model for wind and PV power reinforcement. <i>Energy</i> , 2021, 234, 121270.	8.8	16
26	Enhanced Lagrange relaxation for the optimal unit commitment of identical generating units. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 3920-3928.	2.5	16
27	Surface Roughness Effects on Induced Flow and Frictional Resistance of Enclosed Rotating Disks. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1995, 117, 526-528.	1.5	15
28	Life cycle cost analysis of electricity storage facilities in flexible power systems. <i>International Journal of Sustainable Energy</i> , 2019, 38, 752-772.	2.4	15
29	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
30	A Technology Selection Algorithm for Independent Power Producers. <i>Electricity Journal</i> , 2001, 14, 80-84.	2.5	14
31	Optimal planning of electricity storage to minimize operating reserve requirements in an isolated island grid. <i>Energy Systems</i> , 2020, 11, 1157-1174.	3.0	12
32	Assessment of solar electricity production in the United Arab Emirates. <i>International Journal of Sustainable Energy</i> , 2013, 32, 631-642.	2.4	10
33	Sustainable Services to Enhance Flexibility in the Upcoming Smart Grids. <i>Green Energy and Technology</i> , 2020, , 245-274.	0.6	8
34	Co-optimization of active power curtailment, load shedding and spinning reserve deficits through hybrid approach: Comparison of electrochemical storage technologies. <i>IET Renewable Power Generation</i> , 2022, 16, 92-104.	3.1	8
35	Comparative analysis of power augmentation in air bottoming cycles. <i>International Journal of Sustainable Energy</i> , 2017, 36, 47-60.	2.4	7
36	Evolutionary Priority-Based Dynamic Programming for the Adaptive Integration of Intermittent Distributed Energy Resources in Low-Inertia Power Systems. <i>Eng</i> , 2021, 2, 643-660.	2.4	7

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37	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
38	Storage Solutions for Power Quality Problems in Cyprus Electricity Distribution Network. <i>AIMS Energy</i> , 2014, 2, 1-17.	1.9	6
39	Operating cost and water economy of mixed air steam turbines. <i>Applied Thermal Engineering</i> , 2005, 25, 1949-1960.	6.0	5
40	An optimization model for the production of desalinated water using photovoltaic systems. <i>Desalination</i> , 2010, 258, 100-105.	8.2	5
41	Comparative Assessment of an Innovative Dry-Cooled CSP System. <i>Conference Papers in Energy</i> , 2013, 2013, 1-10.	0.6	5
42	Prospective scenarios for the adoption of sustainable power generation technologies in United Arab Emirates. <i>International Journal of Sustainable Energy</i> , 2015, 34, 23-37.	2.4	5
43	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
44	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
45	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
46	Upscaling of an Innovative Cogeneration CSP System. <i>Conference Papers in Energy</i> , 2013, 2013, 1-6.	0.6	4
47	Parametric assessment of concentrated photovoltaic parks for the Mediterranean region. <i>International Journal of Sustainable Energy</i> , 2013, 32, 42-52.	2.4	3
48	The Method of Fundamental Solutions in Three-Dimensional Elastostatics. <i>Lecture Notes in Computer Science</i> , 2002, , 747-755.	1.3	3
49	An Optimization Model for the Integration of Renewable Technologies in Power Generation Systems. , 2011, , .		3
50	Power Options for the Eastern Mediterranean Region. <i>Conference Papers in Energy</i> , 2013, 2013, 1-2.	0.6	2
51	Parametric analysis for the implementation of wind power in United Arab Emirates. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 635-644.	16.4	2
52	A Measure of Capacity Contribution of Static Mono-Si Photovoltaic Systems. <i>Conference Papers in Energy</i> , 2013, 2013, 1-6.	0.6	1
53	Modelling of auctioning mechanism for solar photovoltaic capacity. <i>International Journal of Sustainable Energy</i> , 2016, 35, 875-886.	2.4	0
54	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

#	ARTICLE	IF	CITATIONS
55	Cost-benefit analysis for the installation of cogeneration CSP technology in Cyprus. AIMS Energy, 2013, 1, 48-62.	1.9	0
56	Toward Hydrogen Economyâ€™The Energy Transition of Cyprus. , 2021, , 1-26.		0