

Afzal S Siddiqui

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,902
citations

346980

22
h-index

340414

39
g-index

79
all docs

79
docs citations

79
times ranked

2008
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulatory jurisdiction and policy coordination: A bi-level modeling approach for performance-based environmental policy. <i>Journal of the Operational Research Society</i> , 2022, 73, 509-524.	2.1	6
2	Supply. <i>Profiles in Operations Research</i> , 2022, , 35-96.	0.3	0
3	Transmission Investment under Uncertainty: Reconciling Private and Public Incentives. <i>European Journal of Operational Research</i> , 2022, , .	3.5	1
4	Strategic storage use in a hydro-thermal power system with carbon constraints. <i>Energy Economics</i> , 2021, 98, 105261.	5.6	10
5	Economic and Environmental Consequences of Market Power in the South-East Europe Regional Electricity Market. <i>Energy Journal</i> , 2021, 42, 145-170.	0.9	1
6	Wasserstein-Distance-Based Temporal Clustering for Capacity-Expansion Planning in Power Systems. , 2020, , .		1
7	Analysis of Environmental Policy in the Power Sector. <i>Profiles in Operations Research</i> , 2020, , .	0.3	7
8	Spatial and sectoral benefit distribution in water-energy system design. <i>Applied Energy</i> , 2020, 269, 114794.	5.1	24
9	Utility-scale energy storage in an imperfectly competitive power sector. <i>Energy Economics</i> , 2020, 88, 104716.	5.6	9
10	Strategic offering of a flexible producer in day-ahead and intraday power markets. <i>European Journal of Operational Research</i> , 2020, 284, 1136-1153.	3.5	31
11	Analysis of Power System Operations with a Dominant Firm and an Oligopolistic Industry. <i>Profiles in Operations Research</i> , 2020, , 71-109.	0.3	0
12	First-Best Policy and Decentralized Mechanisms. <i>Profiles in Operations Research</i> , 2020, , 195-228.	0.3	0
13	Sustainable Transmission Investment. <i>Profiles in Operations Research</i> , 2020, , 153-194.	0.3	0
14	Opportunity cost including short-term energy storage in hydrothermal dispatch models using a linked representative periods approach. <i>Energy</i> , 2019, 188, 116079.	4.5	9
15	Regional carbon policies in an interconnected power system: How expanded coverage could exacerbate emission leakage. <i>Energy Policy</i> , 2019, 134, 110914.	4.2	4
16	A Review of Energy Storage System Legislation in the US and the European Union. <i>Current Sustainable/Renewable Energy Reports</i> , 2019, 6, 22-28.	1.2	6
17	Strategic use of storage: The impact of carbon policy, resource availability, and technology efficiency on a renewable-thermal power system. <i>Energy Economics</i> , 2019, 80, 100-122.	5.6	21
18	Sustainable transmission planning in imperfectly competitive electricity industries: Balancing economic and environmental outcomes. <i>European Journal of Operational Research</i> , 2019, 275, 208-223.	3.5	11

#	ARTICLE	IF	CITATIONS
19	Merchant Storage Investment in a Restructured Electricity Industry. <i>Energy Journal</i> , 2019, 40, 129-164.	0.9	26
20	Investing in Time-to-Build Projects With Uncertain Revenues and Costs: A Real Options Approach. <i>IEEE Transactions on Engineering Management</i> , 2018, 65, 448-459.	2.4	16
21	Market Power With Combined Heat and Power Production in the Nordic Energy System. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 5263-5275.	4.6	26
22	Strategic Use of Storage: The Impact of Carbon Policy, Resource Availability, and Technology Efficiency on a Renewable-Thermal Power System. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	0
23	Policy implications of downscaling the time dimension in power system planning models to represent variability in renewable output. <i>Energy</i> , 2018, 159, 870-877.	4.5	40
24	A Leader-Follower Model for Tradable Performance-Based CO2 Emissions Standards. , 2018, , .		0
25	Does renewable energy generation decrease the volatility of electricity prices? An analysis of Denmark and Germany. <i>Energy Economics</i> , 2017, 62, 270-282.	5.6	136
26	Implications of the EU Emissions Trading System for the South-East Europe Regional Electricity Market. <i>Energy Economics</i> , 2017, 65, 251-261.	5.6	25
27	Capacity optimization under uncertainty: The impact of operational time lags. <i>European Journal of Operational Research</i> , 2017, 262, 660-672.	3.5	2
28	Energy-efficient building retrofits: An assessment of regulatory proposals under uncertainty. <i>Energy</i> , 2016, 101, 278-287.	4.5	18
29	Optimal Selection of Distributed Energy Resources Under Uncertainty and Risk Aversion. <i>IEEE Transactions on Engineering Management</i> , 2016, 63, 462-474.	2.4	14
30	How much is enough? Optimal support payments in a renewable-rich power system. <i>Energy</i> , 2016, 117, 300-313.	4.5	16
31	Investment in Electricity Generation and Transmission. , 2016, , .		85
32	Deciding on Alternative Investments: A Real Options Approach. , 2016, , 269-325.		0
33	Computational Management Science Special Issue on "Optimisation methods and applications in the energy sector" <i>Computational Management Science</i> , 2016, 13, 1-3.	0.8	2
34	The natural hedge of a gas-fired power plant. <i>Computational Management Science</i> , 2016, 13, 63-86.	0.8	10
35	Optimal operation of combined heat and power under uncertainty and risk aversion. <i>Energy and Buildings</i> , 2016, 110, 415-425.	3.1	17
36	Market Impacts of Energy Storage in a Transmission-Constrained Power System. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 4108-4117.	4.6	50

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37	Are targets for renewable portfolio standards too low? The impact of market structure on energy policy. <i>European Journal of Operational Research</i> , 2016, 250, 328-341.	3.5	64
38	Fostering breakthrough technologies – How do optimal funding decisions depend on evaluation accuracy?. <i>Technological Forecasting and Social Change</i> , 2015, 96, 173-190.	6.2	17
39	Risk Averse Scheduling by a PEV Aggregator Under Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 882-891.	4.6	83
40	Transmission and Wind Investment in a Deregulated Electricity Industry. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 1633-1643.	4.6	46
41	When is it better to wait for a new version? Optimal replacement of an emerging technology under uncertainty. <i>Annals of Operations Research</i> , 2015, 235, 177-201.	2.6	18
42	Improving energy efficiency via smart building energy management systems: A comparison with policy measures. <i>Energy and Buildings</i> , 2015, 88, 203-213.	3.1	124
43	Optimizing Building Energy Operations via Dynamic Zonal Temperature Settings. <i>Journal of Energy Engineering - ASCE</i> , 2014, 140, 04013008.	1.0	5
44	Duopolistic competition under risk aversion and uncertainty. <i>European Journal of Operational Research</i> , 2014, 236, 643-656.	3.5	20
45	Capacity expansion and forward contracting in a duopolistic power sector. <i>Computational Management Science</i> , 2014, 11, 57-86.	0.8	7
46	Optionality and Policymaking in Re-Transforming the British Power Market. <i>Economics of Energy and Environmental Policy</i> , 2014, 3, .	0.7	5
47	Transmission and wind investment in a deregulated electricity industry. , 2013, , .		2
48	Applications of optimal building energy system selection and operation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2013, 227, 82-93.	0.8	20
49	The Value of Capacity Sizing Under Risk Aversion and Operational Flexibility. <i>IEEE Transactions on Engineering Management</i> , 2013, 60, 272-288.	2.4	21
50	Capacity switching options under rivalry and uncertainty. <i>European Journal of Operational Research</i> , 2012, 222, 583-595.	3.5	30
51	Investment Timing, Capacity Sizing, and Technology Choice of Power Plants. <i>Energy Systems</i> , 2012, , 303-321.	0.5	4
52	Real options analysis of investment in carbon capture and sequestration technology. <i>Computational Management Science</i> , 2012, 9, 109-138.	0.8	65
53	Control of greenhouse gas emissions by optimal DER technology investment and energy management in zero-energy buildings. <i>European Transactions on Electrical Power</i> , 2011, 21, 1291-1309.	1.0	50
54	Optimal investment under operational flexibility, risk aversion, and uncertainty. <i>European Journal of Operational Research</i> , 2011, 213, 221-237.	3.5	55

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55	The effect of missing data on wind resource estimation. Energy, 2011, 36, 4505-4517.	4.5	20
56	Transmission capacity between Norway and Germany: a real options analysis. Journal of Energy Markets, 2011, 4, 121-147.	0.2	24
57	Valuing a gas-fired power plant: A comparison of ordinary linear models, regime-switching approaches, and models with stochastic volatility. Energy Economics, 2010, 32, 709-725.	5.6	28
58	How to proceed with competing alternative energy technologies: A real options analysis. Energy Economics, 2010, 32, 817-830.	5.6	94
59	Investment and upgrade in distributed generation under uncertainty. Energy Economics, 2009, 31, 25-37.	5.6	65
60	Distributed generation investment by a microgrid under uncertainty. Energy, 2008, 33, 1729-1737.	4.5	54
61	Distributed Generation with Heat Recovery and Storage. Journal of Energy Engineering - ASCE, 2007, 133, 181-210.	1.0	32
62	Localized Aggregation of Diverse Energy Sources for Rural Electrification Using Microgrids. Journal of Energy Engineering - ASCE, 2007, 133, 121-131.	1.0	11
63	Real options valuation of US federal renewable energy research, development, demonstration, and deployment. Energy Policy, 2007, 35, 265-279.	4.2	104
64	Distributed energy resources market diffusion model. Energy Policy, 2007, 35, 4471-4484.	4.2	37
65	Effects of Carbon Tax on Microgrid Combined Heat and Power Adoption. Journal of Energy Engineering - ASCE, 2005, 131, 2-25.	1.0	59
66	The New York Transmission Congestion Contract Market: Is It Truly Working Efficiently?. Electricity Journal, 2003, 16, 14-24.	1.3	15
67	Sustainable Transmission Planning in Imperfectly Competitive Electricity Industries: Balancing Economic and Environmental Outcomes. SSRN Electronic Journal, 0, , .	0.4	0
68	When Is It Better to Wait for a New Version? Optimal Replacement of an Emerging Technology under Uncertainty. SSRN Electronic Journal, 0, , .	0.4	1
69	Strategic Storage Use in a Hydro-Thermal Power System with Carbon Constraints. SSRN Electronic Journal, 0, , .	0.4	0
70	Ambiguities and nonmonotonicities under prosumer power. Top, 0, , 1.	1.1	1