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Integrated planning of natural gas and electric power system

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#	Paper	IF	Citations
30	Planning of the Large-Scale Integrated Energy Systems. <i>Energy Systems in Electrical Engineering</i> , 2019 , 97-144	0.3	0
29	Multi-stage contingency-constrained co-planning for electricity-gas systems interconnected with gas-fired units and power-to-gas plants using iterative Benders decomposition. <i>Energy</i> , 2019 , 180, 689-709	7.9	23
28	Applying Complex Network Theory to the Vulnerability Assessment of Interdependent Energy Infrastructures. <i>Energies</i> , 2019 , 12, 421	3.1	11
27	Robust Planning of Energy and Environment Systems through Introducing Traffic Sector with Cost Minimization and Emissions Abatement under Multiple Uncertainties. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 928	2.6	7
26	Ranking critical assets in interdependent energy transmission networks. <i>Electric Power Systems Research</i> , 2019 , 172, 242-252	3.5	6
25	Optimal Planning of Integrated Energy Systems for Offshore Oil Extraction and Processing Platforms. <i>Energies</i> , 2019 , 12, 756	3.1	11
24	Probabilistic-Interval Energy Flow Analysis of Regional Integrated Electricity and Gas System Considering Multiple Uncertainties and Correlations. <i>IEEE Access</i> , 2019 , 7, 178209-178223	3.5	2
23	Joint electricity generation and transmission expansion planning under integrated gas and power system. <i>Energy</i> , 2019 , 167, 523-537	7.9	26
22	Assessing the criticality of interdependent power and gas systems using complex networks and load flow techniques. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 540, 123169	3.3	7
21	Real-time optimization of the integrated gas and power systems using hybrid approximate dynamic programming. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 118, 105776	5.1	9
20	Distributed multi-scenario optimal sizing of integrated electricity and gas system based on ADMM. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105675	5.1	7
19	Analysis of Dependencies between Gas and Electricity Distribution Grid Planning and Building Energy Retrofit Decisions. <i>Sustainability</i> , 2020 , 12, 5315	3.6	6
18	Optimal planning and operation of multi-vector energy networks: A systematic review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 133, 110216	16.2	13
17	A New Commerce Operation Model for Integrated Energy System Containing the Utilization of Bio-Natural Gas. <i>Energies</i> , 2020 , 13, 6607	3.1	0
16	The electrical analogy model of the gas pressure reducing and metering station. <i>Energy</i> , 2020 , 198, 117342	4.2	4
15	Impact of Natural Gas Distribution Network Structure and Operator Strategies on Grid Economy in Face of Decreasing Demand. <i>Energies</i> , 2020 , 13, 664	3.1	5
14	A convex optimization and iterative solution based method for optimal power-gas flow considering power and gas losses. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 121, 106023	5.1	3

13	Rapid energy flow calculation method for integrated electrical and thermal systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106317	5.1	1
12	Energy systems planning: A survey on models for integrated power and natural gas networks coordination. <i>Applied Energy</i> , 2020 , 262, 114567	10.7	40
11	Sequence iterative method-based steady-state analysis of integrated electricity, gas and heating networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 124, 106359	5.1	4
10	Integrated inexact optimization for hybrid renewable energy systems. 2021 , 203-231		0
9	Stochastic planning of integrated power and natural gas networks with simplified system frequency constraints. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 132, 107144	5.1	3
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7	Distributed optimization of integrated electricity-natural gas distribution networks considering wind power uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 135, 107460	5.1	4
6	A steady-state energy flow analysis method for integrated natural gas and power systems based on topology decoupling. <i>Applied Energy</i> , 2022 , 306, 118007	10.7	0
5	Optimal Dispatch of Integrated Natural Gas and Electricity Systems with Unit Commitment. 2020 ,		
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3	Complementary thermal energy generation associated with renewable energies using Artificial Intelligence. <i>Energy</i> , 2022 , 254, 124264	7.9	0
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