



Cited Results

29 references mentioned in:

 Estimating Loadability Region of Natural Gas System via Monotone Inner Polytope Sequence




 Copy query link

Refine results

Search within results for...



Quick Filters

-  Highly Cited Papers 1
-  Review Articles 1
-  Open Access 7

Publication Years

- 2019 1
- 2017 4
- 2016 2
- 2015 5
- 2014 1

[See all >](#)

Document Types

- Cited Reference 29
- Articles 15
- Journal Paper 11
- Conference Paper 2
- Proceedings Papers 2

[See all >](#)

Web of Science Categories

None of the results contain data in this field.

 0/29

[Add To Marked List](#)
[Export ▾](#)

Sort by: Date: newest first ▾

[<](#) 1 of 1 [>](#)
 1


Constructing Convex Inner Approximations of Steady-State Security Regions

[Nguyen, HD](#); [Dvijotham, K](#) and [Turitsyn, K](#)
Jan 2019 | [IEEE TRANSACTIONS ON POWER SYSTEMS](#)
34 (1), pp.257-267

We propose a scalable optimization framework for estimating convex inner approximations of the steady-state security sets. ... [Show more](#)

[Free Submitted Article From Repository](#)
[Full Text at Publisher](#)

...

14

Citations

27

References

[Related records](#)
 2


Coordinated Scheduling for Interdependent Electric Power and Natural Gas Infrastructures

[Zlotnik, A](#); [Roald, L](#); (...); [Andersson, G](#)
Jan 2017 | [IEEE TRANSACTIONS ON POWER SYSTEMS](#)
32 (1), pp.600-610

The extensive installation of gas-fired power plants in many parts of the world has led electric systems to depend heavily on reliable ... [Show more](#)

[Free Full Text From Publisher](#) ...

122

Citations

46

References

[Related records](#)
 3

Development of a simulation framework for analyzing security of supply in integrated gas and electric power systems

4

Citations

0

References





© 2021
Clarivate
Training
Portal
Product
Support

Data
Correction
Privacy
Statement
Newsletter

Copyright
Notice
Cookie
Policy
Terms of
Use

Manage
cookie
preferences

Follow
Us



Authors

- Chertkov M 4
- Shahidehpour M 3
- Backhaus S 2
- Bono F 2
- Dvijotham K 2

[See all >](#)

Affiliations

- IIT 4
- LOS ALAMOS NATIONAL LABORATORY 4
- UNITED STATES DEPARTMENT OF ENERGY ... 4
- ILLINOIS INSTITUTE OF TECHNOLOGY 3
- LOS ALAMOS NATL LAB 3

[See all >](#)

Publication Titles

- IEEE TRANSACTIONS ON POWER SYSTEMS 6
- APPLIED ENERGY 2
- 1173 MIT LEX LINC LA 1
- 2003 IEEE PES TRANSMISSION AND DISTRI... 1
- 2003 IEEE PES TRANSMISSION AND DISTRI... 1

[See all >](#)

Publishers

None of the results contain data in this field.

Funding Agencies

Open Access



Editorial Notices

Editors

- 4 **Fine approximation of convex bodies by polytopes** **1**
Citation
[Naszodi, M.](#); [Nazarov, F.](#) and [Ryabogin, D.](#)
2017 | arXiv:1705.01867
0
References

- 5 **Vertical market power in interconnected natural gas and electricity markets** **1**
Citation
[L., Marks](#); [Mason, C. E.](#); (...); [Zaragoza-Watkins, M.](#)
2017 | CESIFO WORKING PAPER 6687
CESifo, Munich, Germany
0
References

- 6 **Assessing risk of gas shortage in coupled gas-electricity infrastructures** **3**
Citations
[Zlotnik, A.](#); [Chertkov, M.](#) and [Turitsyn, K.](#)
49th Hawaii International Conference on System Sciences (HICSS)
2016 | PROCEEDINGS OF THE 49TH ANNUAL HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES (HICSS 2016) , pp.2519-2527
37
References

Many power systems in the United States and elsewhere are experiencing simultaneous increases of the gas fired and renew: ... [Show more](#)

[Full Text at Publisher](#) ...

[Related records](#)

- 7 **Electricity and Natural Gas Interdependency: Comparison of Two Methodologies for Coupling Large Market Models Within the European Regulatory Framework** **51**
Citations
[Gil, M.](#); [Duenas, P.](#) and [Reneses, J.](#)
Jan 2016 | IEEE TRANSACTIONS ON POWER SYSTEMS
31 (1) , pp.361-369
31
References

32



Countries/Regions

Languages

Conference Titles

Book Series Titles

Web of Science Index

- 8 **Cascading of fluctuations in interdependent energy infrastructures: Gas-grid coupling** **57**
Citations
- [Chertkov, M](#); [Backhaus, S](#) and [Lebedev, V](#)
Dec 15 2015 | [APPLIED ENERGY](#) 160 , pp.541-551
- The revolution of hydraulic fracturing has dramatically increased the supply and lowered the cost of natural gas in the U ... [Show more](#)
- [Free Full Text From Publisher](#) **41**
References
- [Related records](#)

- 9 **Security-Constrained Co-Optimization Planning of Electricity and Natural Gas Transportation Infrastructures** **87**
Citations
- [Zhang, XP](#); [Shahidehpour, M](#); (...); [Abusorrah, A](#)
Nov 2015 | [IEEE TRANSACTIONS ON POWER SYSTEMS](#) 30 (6) , pp.2984-2993
- This paper presents a co-optimization planning model that considers the long-term interdependency of natura ... [Show more](#)
- [Full Text at Publisher](#) **22**
References
- [Related records](#)

- 10 **Optimization problems in natural gas transportation systems: A state-of-the-art review** **195**
Citations
- [Rios-Mercado, RZ](#) and [Borraz-Sanchez, C](#)
Jun 1 2015 | [APPLIED ENERGY](#) 147 , pp.536-555
- This paper provides a review on the most relevant research works conducted to solve natural gas transportation problems v ... [Show more](#)
- [Free Submitted Article From Repository](#) **149**
References
- [Full Text at Publisher](#) **149**
References
- [Related records](#)

- 11 **Resilience-Based Design of Natural Gas** **59**

32



12 Natural gas flow solutions with guarantees: A monotone operator theory approach

[Dvijotham, K.](#); [Vuffray, M.](#); (...); [Chertkov, M.](#)
2015 | arXiv:1506.06075
URL: <http://arxiv.org/abs/1506.06075>

2
Citations

0
References

13 Resilience of Natural Gas Networks during Conflicts, Crises and Disruptions

[Carvalho, R.](#); [Buzna, L.](#); (...); [Helbing, D.](#)
Mar 12 2014 | [PLOS ONE](#) 9 (3)

Human conflict, geopolitical crises, terrorist attacks, and natural disasters can turn large parts of energy distribution networks offli ... [Show more](#)

[Free Full Text from Publisher](#)

34
Citations

37
References

[Related records](#)

14 Interdependence of the electricity generation system and the natural gas system and implications for energy security

[Judson, N.](#)
2013 | Tech. Rep. 1173
MIT Lexington Lincoln Lab, Lexington, MA, USA

1
Citation

0
References

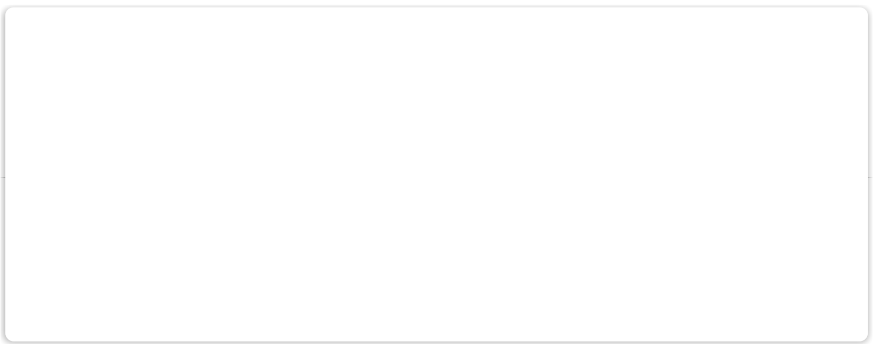
15 Seismic risk assessment of interdependent critical infrastructure systems: The case of European gas and electricity networks

[Beliansk, K.](#); [Bono, E.](#); [Gutierrez, F.](#)

108
Citations

29
References






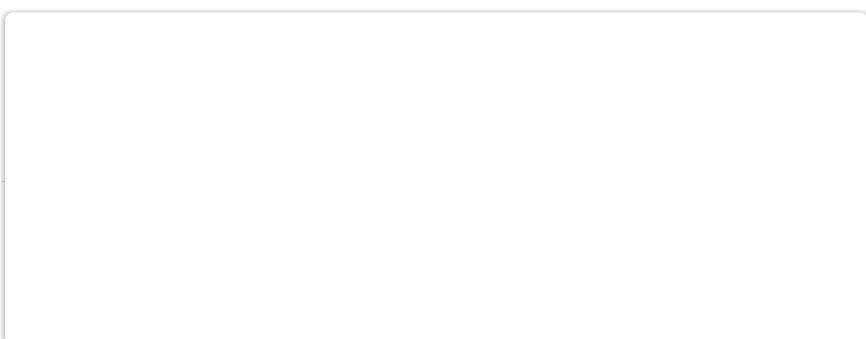
17 **Security-Constrained Unit Commitment With Natural Gas Transmission Constraints** 262 Citations
[Liu, C](#); [Shahidehpour, M](#); (...); [Li, ZY](#)
Aug 2009 | [IEEE TRANSACTIONS ON POWER SYSTEMS](#) 24 (3) , pp.1523-1536
The contribution of this paper focuses on the development of a security-based methodology for the solution of short-term ... [Show more](#)
[Full Text at Publisher](#) [Related records](#)

18 **Approximation of convex sets by polytopes** 53 Citations
[Bronstein, E.M.](#)
2008 | J. Math. Sci 153 , pp.727-762
[Full Text at Publisher](#)

19 **Optimizing short-term natural gas supply portfolio for electric utility companies** 27 Citations
[Chen, HJ](#) and [Baldick, R](#)
Feb 2007 | [IEEE TRANSACTIONS ON POWER SYSTEMS](#) 32 References



<input type="checkbox"/>	21	Natural gas prices set record, pointing to costly winter Mouawad, J September 29 2005 The New York Times	14 Citations	0 References
<input type="checkbox"/>	22	Natural gas and electricity optimal power flow An, S ; Li, Q and Gedra, TW IEEE PES Transmission and Distribution Conference and Exposition 2003 2003 IEEE PES TRANSMISSION AND DISTRIBUTION CONFERENCE & EXPOSITION, VOLS 1-3, CONFERENCE PROCEEDINGS , pp.138-143 In this paper, the combined natural gas and electric optimal power flow (GEOPF) problem is presented. It shows fundamental mo... Show more Free Submitted Article From Repository Full Text at Publisher	153 Citations	13 References
<input type="checkbox"/>	23	The gas transmission problem solved by an extension of the simplex algorithm	226 Citations	32 



26 Asymptotic estimates for best and stepwise approximation of convex bodies II

[Gruber, P. M.](#)
1993 | [Forum Mathematicum](#) 5
Walter de Gruyter, Berlin, Germany

1
Citation

0
References

27 A CLASS OF ADAPTIVE ALGORITHMS FOR APPROXIMATING CONVEX-BODIES BY POLYHEDRA

[KAMENEV, GK](#)
1992 | [COMPUTATIONAL MATHEMATICS AND MATHEMATICAL PHYSICS](#)
32 (1) , pp.114-127

12
Citations

41
References











