



Cited Results

34 references mentioned in:



 Operational Optimization of a Cyclic Gas Pipeline Network with Consideration of Thermal Hydraulics

↔ Copy query link

Refine results



Quick Filters

-  Highly Cited Papers 1
-  Open Access 6

Publication Years ▾

- 2020 2
- 2019 6
- 2018 5
- 2017 4
- 2016 1

[See all >](#)

Document Types ▾

- Cited Reference 34
- Articles 27
- Journal Paper 9
- Proceedings Papers 2
- Data Papers 1

[See all >](#)

Web of Science Categories ▾

None of the results contain data in this field.

 0/34

Add To Marked List

Export ▾

Sort by: Date: newest first ▾

< 1 of 1 >

 1 Transient-State Natural Gas Transmission in Gunbarrel Pipeline Networks[Zhang, SX; Liu, S; \(...\); Shen, ZJM](#)Sum 2020 | [INFORMS JOURNAL ON COMPUTING](#) 32 (3) , pp.697-713

We study the energy consumption minimization problems of natural gas transmission in gunbarrel structured networks. In pa ... [Show more](#)

[View full text](#) ⋮1
Citation0
References 2 Dynamic optimization of natural gas pipeline networks with demand and composition uncertainty[Liu, K; Biegler, LT; \(...\); Chen, QL](#)Apr 6 2020 | [CHEMICAL ENGINEERING SCIENCE](#) 215

Pipelines are one of the most efficient methods to transport large quantities of natural gas from gas reserves to main markets. ... [Show more](#)

[Full Text at Publisher](#) ⋮8
Citations46
References[Related records](#) 3 A method for the multi-objective optimization of the operation of natural gas pipeline networks considering supply reliability and operation efficiency[Su, H; Zio, E; \(...\); Zhang, ZJ](#)Dec 5 2019 | [COMPUTERS & CHEMICAL ENGINEERING](#) 1319
Citations41
References

32





© 2021
Clarivate
Training
Portal
Product
Support

Data
Correction
Privacy
Statement
Newsletter

Copyright
Notice
Cookie
Policy
Terms of
Use

Manage
cookie
preferences

Follow
Us



- Deng TH 3
- Deng T 3
- Liang Y 3
- Bohong WANG 2
- Geissler B 2

[See all >](#)

Affiliations

- CHINA UNIV PETR 4
- CHINA UNIVERSITY OF PETROLEUM 4
- TSINGHUA UNIV 4
- TSINGHUA UNIVERSITY 4
- GEORGIA INSTITUTE OF TECHNOLOGY 3

[See all >](#)

Publication Titles

- INFORMS JOURNAL ON COMPUTING 5
- ENERGY 2
- JOURNAL OF GLOBAL OPTIMIZATION 2
- JOURNAL OF NATURAL GAS SCIENCE AND E... 2
- AIChE JOURNAL 1

[See all >](#)

Publishers

None of the results contain data in this field.

Funding Agencies

Open Access



Editorial Notices

Editors

Group Authors

- 4 [Dynamic Compressor Optimization in Natural Gas Pipeline Systems](#) 12 Citations
[Mak, TWK; Van Hentenryck, P; \(...\); Bent, R](#)
Win 2019 | [INFORMS JOURNAL ON COMPUTING](#) 31 (1)
, pp.40-65

The growing dependence of electric power systems on gas-fired generators to balance fluctuating and intermittent production by ... [Show more](#)

[Full Text at Publisher](#) ⋮

[Related records](#)

- 5 [A two-stage improved genetic algorithm-particle swarm optimization algorithm for optimizing the pressurization scheme of coal bed methane gathering networks](#) 13 Citations
[Zheng, TC; Liang, YT; \(...\); Zhang, HR](#)
Aug 20 2019 | [JOURNAL OF CLEANER PRODUCTION](#)
229 , pp.941-955

Natural gas has been widely promoted by Chinese government as a clean energy source due to its odorless and smokeless cc ... [Show more](#)

[Full Text at Publisher](#) ⋮

[Related records](#)

- 6 [A Dynamic Programming Approach to Power Consumption Minimization in Gunbarrel Natural Gas Networks with Nonidentical Compressor Units](#) 1 Citation
[Deng, TH; Liang, Y; \(...\); Zheng, SY](#)
Sum 2019 | [INFORMS JOURNAL ON COMPUTING](#) 31
(3) , pp.593-611

Inspired by the widespread and increasing usage of natural gas, we study the power consumption minimization problem assi ... [Show more](#)

[Full Text at Publisher](#) ⋮

[Related records](#)

- 7 [Operations Research Enables Better](#) 3

32



Languages

Conference Titles

Book Series Titles

Web of Science Index

over the last five years. To better meet demand, the
China National Petroleum ... [Show more](#)

[Full Text at Publisher](#)

[Related records](#)

8 [Not available]

[BP](#)

BP Statistical Review of World Energy: 2019 Edition

490

Citations

0

References

9 Chemical Engineering Design

[Towler, G.](#) and [Sinnott, R.](#)

2019 | Principles, Practice and Economics of Plant
and Process Design
Butterworth-Heinemann

1

Citation

0

References

10 Assessment of hydrate blockage risk in
long-distance natural gas transmission
pipelines

[Liu, WY](#); [Hu, JQ](#); (...); [Chu, HY](#)

Dec 2018 |

[JOURNAL OF NATURAL GAS SCIENCE AND
ENGINEERING](#)

60 , pp.256-270

Hydrate generation and pipe blockage in long-
distance natural gas transmission pipelines has
always been a major issue ... [Show more](#)

[Full Text at Publisher](#)

17

Citations

47

References

[Related records](#)

11 Convexification for natural gas
transmission networks optimization

[Liang, YZ](#) and [Hui, CW](#)

11

Citations

32



- 12 [An MILP model for the reformation of natural gas pipeline networks with hydrogen injection](#)

[Wang, BH](#); [Liang, YT](#); (...); [Zhang, HR](#)

Aug 16 2018 |

[INTERNATIONAL JOURNAL OF HYDROGEN ENERGY](#)

43 (33) , pp.16141-16153

A mixed integer linear programming (MILP) model is proposed for the reformation of natural gas pipelines. The model is ba ... [Show more](#)

[Full Text at Publisher](#)

14

Citations

26

References

[Related records](#)

- 13 [Mixed Integer Linear Programming Optimization of Gas Supply to a Local Market](#)

[Mikolajkova, M](#); [Saxen, H](#) and [Pettersson, F](#)

May 2 2018 |

[INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH](#)

57 (17) , pp.5951-5965

Remote or stranded areas that cannot be supplied by natural gas through transmission pipelines can access gas through termin ... [Show more](#)

[Free Full Text From Publisher](#)

7

Citations

47

References

[Related records](#)

- 14 [Solving Highly Detailed Gas Transport MINLPs: Block Separability and Penalty Alternating Direction Methods](#)

[Geissler, B](#); [Morsi, A](#); (...); [Schmidt, M](#)

Spr 2018 | [INFORMS JOURNAL ON COMPUTING](#) 30 (2)

, pp.309-323

Detailed modeling of gas transport problems leads to nonlinear and nonconvex mixed-integer optimization or feasibility ... [Show more](#)

19

Citations

40

References

32



16 **Dynamic optimization of natural gas networks under customer demand uncertainties**

[Behrooz, HA](#) and [Boozarjomehry, RB](#)
Sep 1 2017 | [ENERGY](#) 134 , pp.968-983

In natural gas transmission networks, the efficiency of daily operation is strongly dependent on our knowledge about the cust ... [Show more](#)

[Full Text at Publisher](#)

32

Citations

57

References

[Related records](#)

17 **Three enhancements for optimization-based bound tightening**

[Gleixner, AM](#); [Berthold, T](#); (...); [Weltge, S](#)
Apr 2017 | [JOURNAL OF GLOBAL OPTIMIZATION](#) 67 (4) , pp.731-757

Optimization-based bound tightening (OBBT) is one of the most effective procedures to reduce variable domains of nonconvex mi: ... [Show more](#)

[Full Text at Publisher](#)

30

Citations

57

References

[Related records](#)

18 **CNPC Uses an Iterative Two-Stage Convex Relaxation Approach to Operate Natural Gas Pipelines**

[Xue, MY](#); [Deng, TH](#) and [Liu, DZ](#)
Nov-dec 2016 | [INTERFACES](#) 46 (6) , pp.533-546

China National Petroleum Corporation (CNPC), the largest oil and natural gas producer and supplier in China, plans annual and r ... [Show more](#)

[Full Text at Publisher](#)

6

Citations

13

References

[Related records](#)

32
?

[View full text](#)

21 Compressor Stations

[Menon, E.](#)

2015 | Transmission Pipeline Calculations and Simulations Manual , pp.369-404

Gulf Professional Publishing, Boston

[View full text](#)

1

Citation

0

References

22 Optimal operation of trunk natural gas pipelines via an inertia-adaptive particle swarm optimization algorithm

[Wu, X](#); [Li, CJ](#); (...); [He, YF](#)

Nov 2014 |

[JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING](#)

21 , pp.10-18

The trunk natural gas pipeline is the main transmission line between the gas fields and consumers. In this paper, it ... [Show more](#)

[Full Text at Publisher](#)

32

Citations

31

References

[Related records](#)

32



[Related records](#)

25 **Combination of Nonlinear and Linear Optimization of Transient Gas Networks** **41**
Citations

[Domschke, P; Geissler, B; \(...\); Morsi, A](#)
Fal 2011 | [INFORMS JOURNAL ON COMPUTING](#) 23 (4) , pp.605-617

In this paper, we study the problem of technical transient gas network optimization, which can be considered a minimum co ... [Show more](#)

36
References


[Full Text at Publisher](#) [Related records](#)

26 **Improving the Performance of Natural Gas Pipeline Networks Fuel Consumption Minimization Problems** **17**
Citations

[Tabkhi, F; Pibouleau, L; \(...\); Domenech, S](#)
Apr 2010 | [AIChE JOURNAL](#) 56 (4) , pp.946-964

As the gas industry has developed, gas pipeline networks have evolved over decades into very

49
References

 32

29 [Not available]

[Li, Y.](#) and [Yao, G.](#)

2009 | DESIGN MANAGEMENT GA 2nd ed.
China University of Petroleum Press

7

Citations

0

References

30 [A polyhedral branch-and-cut approach to global optimization](#)

[Tawarmalani, M](#) and [Sahinidis, NV](#)

Jun 2005 | [MATHEMATICAL PROGRAMMING](#) 103 (2),
pp.225-249

793

Citations

24

References

32



A variety of nonlinear, including semidefinite, relaxations have been developed in recent years for

through the network, ener ... [Show more](#)

[Free Full Text From Publisher](#)

[Related records](#)

- 34 SPEEDS OF SOUND, PERFECT-GAS HEAT-CAPACITIES, AND ACOUSTIC VIRIAL-COEFFICIENTS FOR METHANE DETERMINED USING A SPHERICAL RESONATOR AT TEMPERATURES BETWEEN 255-K AND 300-K AND PRESSURES IN THE RANGE 171-KPA TO

17
Citations

53
References













