


Cited Results

## 39 references mentioned in:




 Dynamic optimization for gas blending in pipeline networks with gas interchangeability control

↔ Copy query link

## Refine results



## Quick Filters

-  Highly Cited Papers 1
-  Review Articles 2
-  Open Access 10

## Publication Years

- 2019 3
- 2018 3
- 2017 5
- 2016 3
- 2015 3

[See all >](#)

## Document Types

- Cited Reference 39
- Articles 24
- Journal Paper 15
- Proceedings Papers 4
- Review Articles 2

[See all >](#)

## Web of Science Categories

None of the results contain data in this field.

 0/39

Add To Marked List

Export ▾

Sort by: Date: newest first ▾

&lt; 1 of 1 &gt;

 1

### Nonsmooth Formulation for Handling Unclassified Process Streams in the Optimization of Work and Heat Exchange Networks

[Vikse, M; Watson, HAJ; \(...\); Gundersen, T](#)

Jun 5 2019 |

[INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH](#)

58 (22) , pp.9526-9539

Pinch analysis provides a systematic methodology for improving efficiency through enhanced process integration. Originally, the ... [Show more](#)

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

...

5

Citations

46

References

[Related records](#) 2

### Capacity Planning for Modular and Transportable Infrastructure for Shale Gas Production and Processing

[Allen, RC; Allaire, D and El-Halwagi, MM](#)

Apr 17 2019 |

[INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH](#)

58 (15) , pp.5887-5897

Shale gas wells typically have steep production decline curves in the first few years of operation. Therefore, if such reductio ... [Show more](#)

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

13

Citations

37

References

[Related records](#) 3

[Not available]

4

Citations





© 2021  
Clarivate  
Training  
Portal  
Product  
Support

Data  
Correction  
Privacy  
Statement  
Newsletter

Copyright  
Notice  
Cookie  
Policy  
Terms of  
Use

Manage  
cookie  
preferences

Follow  
Us



## Authors

- Biegler LT 0
- Biegler L T 5
- Watson JP 3
- Zavala VM 3
- Borraz-sanchez C 2

[See all >](#)

## Affiliations

- CARNEGIE MELLON UNIVERSITY 6
- CARNEGIE MELLON UNIV 4
- UNITED STATES DEPARTMENT OF ENERGY ... 4
- SANDIA NATIONAL LABORATORY 2
- TEXAS A M UNIV 2

[See all >](#)

## Publication Titles

- COMPUTERS CHEMICAL ENGINEERING 5
- APPLIED ENERGY 4
- INDUSTRIAL ENGINEERING CHEMISTRY RES... 3
- TECHNICAL REPORT 3
- ENERGY 2

[See all >](#)

## Publishers

None of the results contain data in this field.

## Funding Agencies

Open Access



## Editorial Notices

## Editors

- 4 [pyomo.dae: a modeling and automatic discretization framework for optimization with differential and algebraic equations](#) 36 Citations

[Nicholson, B](#); [Siirola, JD](#); (...); [Biegler, LT](#)

Jun 2018 | MATHEMATICAL PROGRAMMING COMPUTATION 10 (2) , pp.187-223

We describe pyomo.dae, an open source Python-based modeling framework that enables high-level abstract specification of op ... [Show more](#)

[Free Submitted Article From Repository](#)

[Full Text at Publisher](#)



34  
References

[Related records](#)

- 5 [Linearization of an MINLP model and its application to gas distribution optimization](#) 17 Citations

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

Mar 1 2018 | ENERGY 146 , pp.156-168

Natural gas is currently regarded as a "bridge fuel", a more environmental-friendly alternative to fossil fuels such as oil or coal wh ... [Show more](#)

[Full Text at Publisher](#)



34  
References

[Related records](#)

- 6 [A smooth, square flash formulation for equation-oriented flowsheet optimization](#) 4 Citations

[Burgard, AP](#); [Eason, JP](#); (...); [Biegler, LT](#)

2018 | Computer aided chemical engineering 44 , pp.871 Elsevier

0  
References

- 7 [A multi-objective optimization model for](#) 28

32



Natural gas is usually transported by pipeline networks. This paper presents a multi-objective optimization model in opti ... [Show more](#)

[Free Full Text From Publisher](#) ☰

[Related records](#)

8 **Single and multiple objective optimization of a natural gas liquefaction process**

[Song, R](#); [Cui, MM](#) and [Liu, JJ](#)  
Apr 1 2017 | [ENERGY](#) 124 , pp.19-28

Benefit from the development of process simulation technology, the optimal operating conditions of the natural gas liquefaction pr ... [Show more](#)

[View full text](#) ☰

**58**  
Citations

**41**  
References

[Related records](#)

9 **Novel method for looped pipeline network resolution**

[Raoni, R](#); [Secchi, AR](#) and [Biscaia, EC](#)  
Jan 4 2017 | [COMPUTERS & CHEMICAL ENGINEERING](#) 96 , pp.169-182

It is proposed a novel method to solve looped pipeline network problems that seeks to deal with limitations of the available ... [Show more](#)

[Full Text at Publisher](#) ☰

**11**  
Citations

**24**  
References

[Related records](#)

10 **Dynamic modeling of natural gas quality within transport pipelines in presence of hydrogen injections**

[Guandalini, G](#); [Colbertaldo, P](#) and [Campanari, S](#)  
7th International Conference on Applied Energy (ICAE)  
Jan 1 2017 | [APPLIED ENERGY](#) 185 , pp.1712-1723

In the near future, the natural gas grid could face an increasing share of alternative fuels (biomethane, hydrogen) injected in addi ... [Show more](#)

[Full Text at Publisher](#) ☰

**54**  
Citations

**32**  
References

[Related records](#)

32



12 **Global Optimization of an Industrial Gas Network Operation**

[Puranik, Y](#); [Kilinc, M](#); (...); [Roba, T](#)

Sep 2016 | [AICHE JOURNAL](#) 62 (9) , pp.3215-3224

Air Liquide operates several industrial gas pipeline networks around the world, connecting air separation plants to custo ... [Show more](#)

[Full Text at Publisher](#)

12

Citations

40

References

[Related records](#)

 13 **Competition pattern of the global liquefied natural gas (LNG) trade by network analysis**

[Chen, ZH](#); [An, HZ](#); (...); [Hao, XQ](#)

Jul 2016 |

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

33 , pp.769-776

Liquefied natural gas (LNG) has been categorized as a global commodity because of the continuous globalization of the LNG tr ... [Show more](#)

[Full Text at Publisher](#)

32

Citations

24

References

[Related records](#)

 14 **Climate benefits of natural gas as a bridge fuel and potential delay of near-zero energy systems**

[Zhang, XC](#); [Myhrvold, NP](#); (...); [Caldeira, K](#)

Apr 1 2016 | [APPLIED ENERGY](#) 167 , pp.317-322

Natural gas has been suggested as a "bridge fuel" in the transition from coal to a near-zero emission energy system. However, t ... [Show more](#)

[Free Full Text From Publisher](#)

58

Citations

44

References

[Related records](#)

32



□ 16 Investigation of gas purging process in pipeline by numerical method

[Ma, DL](#); [Zhang, ZX](#) and [Li, Y](#)

Mar 2015 |

[PROCESS SAFETY AND ENVIRONMENTAL PROTECTION](#)

94 , pp.274-284

Gas purging processes in pipeline safety maintenance were studied using the Computational Fluid Dynamics (CFD) meti ... [Show more](#)

[Full Text at Publisher](#)

5

Citations

32

References

[Related records](#)



