



Cited Results

## 46 references mentioned in:




 Improving the centrifugal compressor map through rigorous thermodynamic modeling: An analysis on a natural gas compression station pipeline

↔ Copy query link

## Refine results

Search within results for... 

## Quick Filters

-  Highly Cited Papers 1
-  Review Articles 2
-  Open Access 5

## Publication Years ▾

- 2019 2
- 2017 6
- 2016 2
- 2015 3
- 2013 4

[See all >](#)

## Document Types ▾

- Cited Reference 46
- Articles 24
- Journal Paper 21
- Proceedings Papers 3
- Conference Paper 2

[See all >](#)

## Web of Science Categories ▾

None of the results contain data in this field.

0/46

Add To Marked List

Export ▾

Sort by: Date: newest first ▾

< 1 of 1 >

- 1 **Numerical and experimental investigations of centrifugal compressor BPF noise**

[Liu, C](#); [Cao, YP](#); (...); [Liu, Y](#)

Jul 2019 | [APPLIED ACOUSTICS](#) 150 , pp.290-301

Centrifugal compressor noise has become an issue in marine diesel engine turbochargers in recent years. Compressor noise is difficult to reduce. [Show more](#)

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

10 Citations

25 References

[Related records](#)

- 2 **The development of an integrally geared centrifugal compressor**

[Xu, C](#)

2019 | [Int. J. Fluid Mech. Therm. Sci.](#) 5 , pp.1

URL: <https://doi.org/10.11648/j.ijfmts.20190501.11>

[Full Text at Publisher](#)

3 Citations

0 References

- 3 **Model Predictive Approaches for Active Surge Control in Centrifugal Compressors**

[Torrì, G](#); [Grammatico, S](#); (...); [Smith, RS](#)

Nov 2017 |

[IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY](#)

25 (6) , pp.1947-1960

Model predictive control (MPC) techniques are considered for industrial centrifugal compression systems with nonlinear dynamics. [Show more](#)

16 Citations

41 References

32





## Authors

- Cortinovia A 3
- Fuli WANG 3
- De Jager B 2
- Egeland O 2
- Gravdahl J T 2

[See all >](#)

## Affiliations

- NORWEGIAN UNIVERSITY OF SCIENCE TEC... 3
- ABB 2
- CARNEGIE MELLON UNIV 2
- CARNEGIE MELLON UNIVERSITY 2
- EINDHOVEN UNIV TECHNOL 2

[See all >](#)

## Publication Titles

- APPLIED THERMAL ENGINEERING 2
- COMPUTERS CHEMICAL ENGINEERING 2
- JOURNAL OF POWER SOURCES 2
- 34 TURB S 1
- AIRCRAFT ENGINE 1

[See all >](#)

## Publishers

None of the results contain data in this field.

## Funding Agencies

## Open Access



## Editorial Notices

## Editors

© 2021  
Clarivate  
Training  
Portal  
Product  
Support

Data  
Correction  
Privacy  
Statement  
Newsletter

Copyright  
Notice  
Cookie  
Policy  
Terms of  
Use

Manage  
cookie  
preferences

Follow  
Us



- 4 [Dynamic optimization of natural gas networks under customer demand uncertainties](#) 32 Citations

[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 custri ... [Show more](#)

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

- 5 [A multi-objective optimization model for gas pipeline operations](#) 38 Citations

[Demissie, A](#); [Zhu, WH](#) and [Belachew, CT](#)  
May 8 2017 | [COMPUTERS & CHEMICAL ENGINEERING](#) 100 , pp.94-103

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](#)

- 6 [Application of PSO and cultural algorithms for transient analysis of natural gas pipeline](#) 11 Citations

[Madoliat, R](#); [Khanmirza, E](#) and [Pourfard, A](#)  
Jan 2017 |

[JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING](#)

149 , pp.504-514

System simulation is an essential step for the optimization and control of natural gas transmission networks. Transient simul ... [Show more](#)

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

- 7 [An offshore natural gas transmission pipeline model and analysis for the prediction and detection of condensate/hydrate formation conditions](#) 1 Citation

0 References



Countries/Regions

Languages

Conference Titles

Book Series Titles

Web of Science Index

- 8 **Assessment of turbulence model predictions for a centrifugal compressor simulation**

[Gibson, L.](#); [Spence, S.](#); (...); [Galloway, L.](#)  
2017 | J. Glob. Power Propuls. Soc. 1 , pp.142-156

[View full text](#)

13

Citations

0

References

- 9 **Centrifugal compressor fault diagnosis based on qualitative simulation and thermal parameters**

[Lu, YS](#); [Wang, FL](#); (...); [Qi, YC](#)

Dec 15 2016 |

[MECHANICAL SYSTEMS AND SIGNAL PROCESSING](#) 81  
, pp.259-273

This paper concerns fault diagnosis of centrifugal compressor based on thermal parameters. An improved qualitative simu ... [Show more](#)

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

16

Citations

30

References

- 10 **Modeling, Simulation, and Optimization of a High-Pressure Cross-Country Natural Gas Pipeline: Application of an Ant Colony Optimization Technique**

[Arya, AK](#) and [Honwad, S](#)

Feb 2016 |

[JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE](#)

7 (1)

The process of natural gas transportation through cross-country pipelines, with intermittent repressurization with the l ... [Show more](#)

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

14

Citations

24

References

- 11 **Experimental evaluation of MPC-based anti-surge and process control for**

23

Citations

32



**12 Optimization problems in natural gas transportation systems: A state-of-the-art review**[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](#)[Full Text at Publisher](#)**195**

Citations

**149**

References

[Related records](#)**13 Control of centrifugal compressors via model predictive control for enhanced oil recovery applications (From: Inspec®)**[Budinis, S.](#) and [Thornhill, N.F.](#)

2015 | IFAC - Papers Online 48 (6) , pp.9-14

This paper proposes a control system for integrated pressure and surge control of centrifugal compressors for enhancec ... [Show more](#)

[Free Full Text from Publisher](#)**4**

Citations

**0**

References

**14 Development of one-dimensional model for initial design and evaluation of oil-free CO<sub>2</sub> turbo-compressor**[Kus, B](#) and [Neksa, P](#)4th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants  
Dec 2013 |[INTERNATIONAL JOURNAL OF REFRIGERATION-  
REVUE INTERNATIONALE DU FROID](#)

36 (8) , pp.2079-2090

**7**

Citations

**39**

References

32



of dynamic measurement: ... [Show more](#)

[View full text](#)

[Related records](#)

