



< Back to results | < Previous 146 of 182 Next >

Download Print Save to PDF Save to list Create bibliography

*Journal of Air Transport Management* • Volume 70, Pages 18 - 35 • July 2018

#### Document type

Article

#### Source type

Journal

#### ISSN

09696997

#### DOI

10.1016/j.jairtraman.2018.04.013

View more

# The impact of air transportation, railways transportation, and port container traffic on energy demand, customs duty, and economic growth: Evidence from a panel of low-, middle-, and high - income countries

Rashid Khan, Haroon Ur<sup>a, b</sup>; Siddique, Muhammad<sup>c</sup>; Zaman, Khalid<sup>d</sup> ; Yousaf, Sheikh Usman<sup>e</sup>; Shoukry, Alaa Mohamd<sup>f, g</sup>; Gani, Showkat<sup>h</sup>; Sasmoko<sup>i</sup>; Khan, Aqeel<sup>j</sup>; Hishan, Sanil S.<sup>k</sup>; Saleem, Hummera<sup>l</sup>

Save all to author list

<sup>a</sup> School of Finance, College of Business and Public Management, Kean University, NJ, United States

<sup>b</sup> Wenzhou-Kean University Campus, Wenzhou, China

<sup>c</sup> Department of Business Administration, University of the Punjab, Gujranwala Campus, Pakistan

<sup>d</sup> Department of Economics, University of Wah, Quaid Avenue, Wah Cantt, Pakistan

View additional affiliations

44 94th percentile  
Citations in Scopus

3.40  
FWCI

172  
Views count

View all metrics

Full text options Export

## Abstract

Author keywords

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

## Cited by 44 documents

Transportation sector and Chinese stock volatility forecasting: Evidence from freight and passenger traffic

Zhang, L. , Zhong, J.  
(2024) *Finance Research Letters*

Analyzing transport demand and environmental degradation: the case of G-7 countries

Erdogan, S. , Sarkodie, S.A. , Adedoyin, F.F.  
(2024) *Environment, Development and Sustainability*

Does transport infrastructure make South Asian economies growth more inclusive? An application of a new transportation infrastructure index

Rehman, F.U. , Islam, M.M. , Miao, Q.  
(2023) *Research in Transportation Business and Management*

View all 44 citing documents

Inform me when this document is cited in Scopus:

Set citation alert >

## Related documents

Analysis of the impact of policies intervention on electric vehicles adoption considering information transmission—based on consumer network model

Li, J. , Jiao, J. , Tang, Y.  
(2020) *Energy Policy*

Assessing energy consumption, CO2 and pollutant emissions and health benefits from China's transport sector through 2050

Liu, L. , Wang, K. , Wang, S.  
(2018) *Energy Policy*

Can green traffic policies affect air quality? Evidence from a difference-in-difference estimation in China

Qiu, L.-Y. , He, L.-Y.  
(2017) *Sustainability (Switzerland)*

View all related documents based on references

Find more related documents in Scopus based on:

## Abstract

The transportation sector is highly sensitive due to the excessive use of energy, which though generates sufficient amount of income in terms of customs duty that supports country's per capita income; however, its effect largely the energy security issues across the globe. This study examines the impact of air transportation, railways transportation, and container port traffic on energy demand, customs duty, and economic growth in a panel of 40 heterogeneous countries, which comprises 16 low income & lower middle income (LI&LMI) countries and 24 upper middle & high income (UM&HI) countries for the period of 1990–2015. The study employed panel econometric techniques which account for cross-sectional dependence and heterogeneity. The results show that air-railways transportation has a positive and significant relationship with the energy demand (ED) in aggregated panel, whereas air-railways passengers carried positively influenced ED in LI&LMI countries, and railways transported goods (RT) significantly increases ED in UM&HI countries. Air freight (AF) and railways passengers carried (RPC) escalate customs duty (CUD) in aggregated panel, while RPC positively influences CUD in LI&LMI countries, and AF significantly increases CUD in UM&HI countries. Container port traffic (CPT) positively influenced per capita income (GDPPC) across countries. The causality estimates confirmed the bidirectional relationship, unidirectional, reverse causality, and no causal relationships between the studied variables with different transportation modes. The estimates of impulse response function (IRF) suggest that transportation (except RPC) and growth factors will positively influence ED in aggregated panel while differential impacts of transportation and growth factors will affect CUD over a next 30 years time period. The variance decomposition analysis (VDA) shows that GDPPC will largely influence by ED and least influenced by CUD, while CPT will greatly affect by CUD and least influenced by AF, over a next 30 years period. The overall results provoked the need of transportation energy infrastructure that desirable for long-term sustainable growth across countries. © 2018 Elsevier Ltd

## Author keywords

Air transportation; Container port traffic; Customs duty; Energy demand; Panel cointegration techniques; Per capita income; Railways transportation

Indexed keywords



Sustainable Development Goals 2023  New



SciVal Topics 



Metrics



Funding details




## References (93)


[View in search results format >](#)

☐ All

[Export](#)

 [Print](#)

 [E-mail](#)

 [Save to PDF](#)

[Create bibliography](#)

☐ 1 Acciaro, M., Ghiara, H., Cusano, M.I.

**Energy management in seaports: A new role for port authorities**

(2014) *Energy Policy*, 71, pp. 4-12. Cited 223 times.

<http://www.journals.elsevier.com/energy-policy/>

doi: 10.1016/j.enpol.2014.04.013

[View at Publisher](#)

- 
- ☐ 2 Achour, H., Belloumi, M.  
**Investigating the causal relationship between transport infrastructure, transport energy consumption and economic growth in Tunisia**  
  
(2016) *Renewable and Sustainable Energy Reviews*, 56, pp. 988-998. Cited 127 times.  
<https://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews>  
doi: 10.1016/j.rser.2015.12.023  
  
View at Publisher
- 
- ☐ 3 Achour, H., Belloumi, M.  
**Decomposing the influencing factors of energy consumption in Tunisian transportation sector using the LMDI method**  
  
(2016) *Transport Policy*, 52, pp. 64-71. Cited 128 times.  
<http://www.journals.elsevier.com/transport-policy/>  
doi: 10.1016/j.tranpol.2016.07.008  
  
View at Publisher
- 
- ☐ 4 Agrawal, R., Singh, N.R., Ribeiro, F.H., Delgass, W.N.  
**Sustainable fuel for the transportation sector**  
  
(2007) *Proceedings of the National Academy of Sciences of the United States of America*, 104 (12), pp. 4828-4833. Cited 194 times.  
doi: 10.1073/pnas.0609921104  
  
View at Publisher
- 
- ☐ 5 Anable, J., Brand, C., Tran, M., Eyre, N.  
**Modelling transport energy demand: A socio-technical approach**  
  
(2012) *Energy Policy*, 41, pp. 125-138. Cited 158 times.  
doi: 10.1016/j.enpol.2010.08.020  
  
View at Publisher
- 
- ☐ 6 Apergis, N., Tang, C.F.  
**Is the energy-led growth hypothesis valid? New evidence from a sample of 85 countries**  
  
(2013) *Energy Economics*, 38, pp. 24-31. Cited 127 times.  
doi: 10.1016/j.eneco.2013.02.007  
  
View at Publisher
- 
- ☐ 7 Armstrong, R.C., Wolfram, C., De Jong, K.P., Gross, R., Lewis, N.S., Boardman, B., Ragauskas, A.J., (...), Ramana, M.V.  
**The frontiers of energy**  
  
(2016) *Nature Energy*, 1 (1), art. no. 15020. Cited 243 times.  
[www.nature.com/nenergy/](http://www.nature.com/nenergy/)  
doi: 10.1038/nenergy.2015.20  
  
View at Publisher
-

- 
- ☐ 8 ATAG  
Facts and Figures  
(2016) . Cited 225 times.  
Air Transport Action Group Geneva, Switzerland Online available at (Accessed  
18 January 2017)  
<http://www.atag.org/facts-and-figures.html>
- 

- ☐ 9 Awokuse, T.O.  
Is the export-led growth hypothesis valid for Canada?  
  
(2003) *Canadian Journal of Economics*, 36 (1), pp. 126-136. Cited 100 times.  
doi: 10.1111/1540-5982.00006  
  
[View at Publisher](#)
- 

- ☐ 10 Baltagi, B.H., Feng, Q., Kao, C.  
A Lagrange Multiplier test for cross-sectional dependence in a  
fixed effects panel data model  
  
(2012) *Journal of Econometrics*, 170 (1), pp. 164-177. Cited 454 times.  
doi: 10.1016/j.jeconom.2012.04.004  
  
[View at Publisher](#)
- 

- ☐ 11 Becken, S.  
Analysing international tourist flows to estimate energy use  
associated with air travel  
  
(2002) *Journal of Sustainable Tourism*, 10 (2), pp. 114-131. Cited 176 times.  
doi: 10.1080/09669580208667157  
  
[View at Publisher](#)
- 

- ☐ 12 Becken, S., Simmons, D.G., Frampton, C.  
Energy use associated with different travel choices  
  
(2003) *Tourism Management*, 24 (3), pp. 267-277. Cited 254 times.  
[www.elsevier.com/inca/publications/store/3/0/4/7/2/](http://www.elsevier.com/inca/publications/store/3/0/4/7/2/)  
doi: 10.1016/S0261-5177(02)00066-3  
  
[View at Publisher](#)
- 

- ☐ 13 Berndt, E.R., Botero, G.  
Energy demand in the transportation sector of Mexico  
  
(1985) *Journal of Development Economics*, 17 (3), pp. 219-238. Cited 26  
times.  
doi: 10.1016/0304-3878(85)90091-4  
  
[View at Publisher](#)
- 

- ☐ 14 Breusch, T., Pagan, A.  
The Lagrange multiplier test and its application to model specification in  
econometrics  
(1980) *Rev. Econ. Stud.*, 47, pp. 239-253. Cited 4042 times.
-

- 15 Cansino, J.M., Román, R.  
Energy efficiency improvements in air traffic: The case of Airbus A320 in Spain  
(2017) *Energy Policy*, 101, pp. 109-122. Cited 25 times.  
<http://www.journals.elsevier.com/energy-policy/>  
doi: 10.1016/j.enpol.2016.11.027  
View at Publisher
- 
- 16 CER  
Rail Transport and Environment: Facts and Figures  
(2015) . Cited 17 times.  
Community of European Railway and Infrastructure Companies (CER) Paris  
Online available at (Accessed 11 May 2017)  
<http://www.cer.be/sites/default/files/publication/Facts%20and%20figures%202014.pdf>
- 
- 17 Chai, J., Lu, Q.-Y., Wang, S.-Y., Lai, K.K.  
Analysis of road transportation energy consumption demand in China  
(2016) *Transportation Research Part D: Transport and Environment*, 48, pp. 112-124. Cited 76 times.  
[www.elsevier.com/inca/publications/store/3/1/1/5/3/](http://www.elsevier.com/inca/publications/store/3/1/1/5/3/)  
doi: 10.1016/j.trd.2016.08.009  
View at Publisher
- 
- 18 Chang, Y.-H., Chang, Y.-W.  
Air cargo expansion and economic growth: Finding the empirical link (Open Access)  
(2009) *Journal of Air Transport Management*, 15 (5), pp. 264-265. Cited 67 times.  
doi: 10.1016/j.jairtraman.2008.09.016  
View at Publisher
- 
- 19 Chapman, L.  
Transport and climate change: a review  
(2007) *Journal of Transport Geography*, 15 (5), pp. 354-367. Cited 785 times.  
doi: 10.1016/j.jtrangeo.2006.11.008  
View at Publisher
- 
- 20 Charles, M.B., Barnes, P., Ryan, N., Clayton, J.  
Airport futures: Towards a critique of the aerotropolis model (Open Access)  
(2007) *Futures*, 39 (9), pp. 1009-1028. Cited 78 times.  
doi: 10.1016/j.futures.2007.03.017  
View at Publisher
-

- ☐ 21 Chen, S.-M., He, L.-Y.  
**Welfare loss of China's air pollution: How to make personal vehicle transportation policy**  
(2014) *China Economic Review*, 31, pp. 106-118. Cited 78 times.  
<http://www.elsevier.com/locate/chieco>  
doi: 10.1016/j.chieco.2014.08.009  
[View at Publisher](#)
- 
- ☐ 22 Chen, W., Lei, Y.  
**Path analysis of factors in energy-related CO<sub>2</sub> emissions from Beijing's transportation sector**  
(2017) *Transportation Research Part D: Transport and Environment*, 50, pp. 473-487. Cited 40 times.  
[www.elsevier.com/inca/publications/store/3/1/1/5/3/](http://www.elsevier.com/inca/publications/store/3/1/1/5/3/)  
doi: 10.1016/j.trd.2016.11.027  
[View at Publisher](#)
- 
- ☐ 23 Christofakis, M., Tassopoulos, A., Moukas, B.  
**Port activity evolution: The initial impact of economic crisis on major Greek ports (Open Access)**  
(2013) *European Transport Research Review*, 5 (4), pp. 195-205. Cited 6 times.  
doi: 10.1007/s12544-013-0100-6  
[View at Publisher](#)
- 
- ☐ 24 Deendarlianto, Widyaparaga, A., Sopha, B.M., Budiman, A., Muthohar, I., Setiawan, I.C., Lindasista, A., (...), Oka, K.  
**Scenarios analysis of energy mix for road transportation sector in Indonesia**  
(2017) *Renewable and Sustainable Energy Reviews*, 70, pp. 13-23. Cited 31 times.  
<https://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews>  
doi: 10.1016/j.rser.2016.11.206  
[View at Publisher](#)
- 
- ☐ 25 Dumitrescu, E.-I., Hurlin, C.  
**Testing for Granger non-causality in heterogeneous panels**  
(2012) *Economic Modelling*, 29 (4), pp. 1450-1460. Cited 2853 times.  
doi: 10.1016/j.econmod.2012.02.014  
[View at Publisher](#)
- 
- ☐ 26 EEA  
**Explaining road transport emissions - a non-technical guide**  
(2016) . Cited 70 times.  
Online available at (Accessed 11 May 2017)  
<https://www.eea.europa.eu/publications/explaining-road-transport-emissions>
-

- ☐ 27 EIA  
Energy Use for Transportation  
(2016) . Cited 3 times.  
U.S Energy Information Administration Washington D.C Online available at  
(Accessed 17 December 2016)  
[http://www.eia.gov/energyexplained/?page=us\\_energy\\_transportation](http://www.eia.gov/energyexplained/?page=us_energy_transportation)
- 
- ☐ 28 EU  
Road transport: reducing CO2 emissions from vehicles. European  
commission climate action program  
(2017)  
Online available at (Accessed 11 May 2017)  
[https://ec.europa.eu/clima/policies/transport/vehicles\\_en](https://ec.europa.eu/clima/policies/transport/vehicles_en)
- 
- ☐ 29 Fernandes, E., Pacheco, R.R.  
The causal relationship between GDP and domestic air  
passenger traffic in Brazil  
  
(2010) *Transportation Planning and Technology*, 33 (7), pp. 569-581. Cited 81  
times.  
doi: 10.1080/03081060.2010.512217  
  
View at Publisher
- 
- ☐ 30 González, R., Hosoda, E.B.  
Environmental impact of aircraft emissions and aviation fuel  
tax in Japan  
  
(2016) *Journal of Air Transport Management*, 57, pp. 234-240. Cited 51 times.  
[www.elsevier.com/locate/jairtraman](http://www.elsevier.com/locate/jairtraman)  
doi: 10.1016/j.jairtraman.2016.08.006  
  
View at Publisher
- 
- ☐ 31 Grahn, M., Azar, C., Willander, M.I., Anderson, J.E., Mueller, S.A., Wallington,  
T.J.  
Fuel and vehicle technology choices for passenger vehicles in  
achieving stringent CO<sub>2</sub> targets: Connections between  
transportation and other energy sectors  
  
(2009) *Environmental Science and Technology*, 43 (9), pp. 3365-3371. Cited  
72 times.  
<http://pubs.acs.org/doi/pdfplus/10.1021/es802651r>  
doi: 10.1021/es802651r  
  
View at Publisher
- 
- ☐ 32 Grossmann, H., Otto, A., Stiller, S., Wedemeier, J.  
Growth potential for maritime trade and Ports in Europe  
  
(2007) *Intereconomics*, 42 (4), pp. 226-232. Cited 16 times.  
<https://sciendo.com/journal/IE>  
doi: 10.1007/s10272-007-0223-x  
  
View at Publisher
-

- ☐ 33 Hakim, M.M., Merkert, R.  
The causal relationship between air transport and economic growth: Empirical evidence from South Asia  
(2016) *Journal of Transport Geography*, 56, pp. 120-127. Cited 115 times.  
<http://www.elsevier.com/inca/publications/store/3/0/4/4/8/index.htm>  
doi: 10.1016/j.jtrangeo.2016.09.006  
[View at Publisher](#)
- 
- ☐ 34 He, L.-Y., Chen, Y.  
Thou shalt drive electric and hybrid vehicles: Scenario analysis on energy saving and emission mitigation for road transportation sector in China  
(2013) *Transport Policy*, 25, pp. 30-40. Cited 92 times.  
doi: 10.1016/j.tranpol.2012.11.006  
[View at Publisher](#)
- 
- ☐ 35 He, L.-Y., Yang, S., Chang, D.  
Oil price uncertainty, transport fuel demand and public health  
(2017) *International Journal of Environmental Research and Public Health*, 14 (3), art. no. 245. Cited 18 times.  
<http://www.mdpi.com/1660-4601/14/3/233/pdf>  
doi: 10.3390/ijerph14030245  
[View at Publisher](#)
- 
- ☐ 36 HE, L.-Y., QIU, L.-Y.  
Transport demand, harmful emissions, environment and health co-benefits in China ([Open Access](#))  
(2016) *Energy Policy*, 97, pp. 267-275. Cited 67 times.  
<http://www.journals.elsevier.com/energy-policy/>  
doi: 10.1016/j.enpol.2016.07.037  
[View at Publisher](#)
- 
- ☐ 37 Higham, J., Cohen, S.A., Cavaliere, C.T., Reis, A., Finkler, W.  
Climate change, tourist air travel and radical emissions reduction  
(2016) *Journal of Cleaner Production*, Part B 111, pp. 336-347. Cited 125 times.  
doi: 10.1016/j.jclepro.2014.10.100  
[View at Publisher](#)
- 
- ☐ 38 Hu, X., Chang, S., Li, J., Qin, Y.  
Energy for sustainable road transportation in China: Challenges, initiatives and policy implications ([Open Access](#))  
(2010) *Energy*, 35 (11), pp. 4289-4301. Cited 124 times.  
[www.elsevier.com/inca/publications/store/4/8/3/](http://www.elsevier.com/inca/publications/store/4/8/3/)  
doi: 10.1016/j.energy.2009.05.024  
[View at Publisher](#)
-



- 39 IEO  
Chapter 1: World Energy Demand and Economic Outlook. U.S Energy Information Administration  
(2016)  
International Energy Outlook Washington D.C Online available at (Accessed 18 January 2017)  
<https://www.eia.gov/outlooks/ieo/pdf/world.pdf>
- 

- 40 IEO  
Chapter 8: Transportation Sector Energy Consumption. U.S Energy Information Administration  
(2016) . Cited 18 times.  
International Energy Outlook Washington D.C Online available at (Accessed 17 December 2016)  
<https://www.eia.gov/outlooks/ieo/pdf/transportation.pdf>
- 

- 41 IIASA  
Chapter 9: Energy End-use: Transport  
(2014)  
International Institute for Applied Systems Analysis Luxemburg, Austria  
Online available at (Accessed 18 January 2017)  
[http://www.iiasa.ac.at/web/home/research/Flagship-Projects/Global-Energy-Assessment/GEA\\_Chapter9\\_transport\\_lowres.pdf](http://www.iiasa.ac.at/web/home/research/Flagship-Projects/Global-Energy-Assessment/GEA_Chapter9_transport_lowres.pdf)
- 

- 42 Jacobson, M.Z., Delucchi, M.A.  
Providing all global energy with wind, water, and solar power, Part I: Technologies, energy resources, quantities and areas of infrastructure, and materials  
  
(2011) *Energy Policy*, 39 (3), pp. 1154-1169. Cited 1075 times.  
doi: 10.1016/j.enpol.2010.11.040  
  
[View at Publisher](#)
- 

- 43 Ben Jebli, M., Belloumi, M.  
Investigation of the causal relationships between combustible renewables and waste consumption and CO<sub>2</sub> emissions in the case of Tunisian maritime and rail transport ([Open Access](#))  
  
(2017) *Renewable and Sustainable Energy Reviews*, 71, pp. 820-829. Cited 51 times.  
<https://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews>  
doi: 10.1016/j.rser.2016.12.108  
  
[View at Publisher](#)
- 

- 44 Johansson, B.  
Will restrictions on CO<sub>2</sub> emissions require reductions in transport demand?  
  
(2009) *Energy Policy*, 37 (8), pp. 3212-3220. Cited 33 times.  
doi: 10.1016/j.enpol.2009.04.013  
  
[View at Publisher](#)
-

- ☐ 45 Rehman Khan, S.A., Qianli, D., SongBo, W., Zaman, K., Zhang, Y.  
Travel and tourism competitiveness index: The impact of air transportation, railways transportation, travel and transport services on international inbound and outbound tourism  
(2017) *Journal of Air Transport Management*, 58, pp. 125-134. Cited 140 times.  
[www.elsevier.com/inca/publications/store/3/0/4/3/8/](http://www.elsevier.com/inca/publications/store/3/0/4/3/8/)  
doi: 10.1016/j.jairtraman.2016.10.006  
View at Publisher
- 
- ☐ 46 Khan, S.A.R., Qianli, D., SongBo, W., Zaman, K., Zhang, Y.  
Environmental logistics performance indicators affecting per capita income and sectoral growth: evidence from a panel of selected global ranked logistics countries  
(2017) *Environmental Science and Pollution Research*, 24 (2), pp. 1518-1531. Cited 127 times.  
<http://www.springerlink.com/content/0944-1344>  
doi: 10.1007/s11356-016-7916-2  
View at Publisher
- 
- ☐ 47 Kim, J., Moon, I.  
The role of hydrogen in the road transportation sector for a sustainable energy system: A case study of Korea ([Open Access](#))  
(2008) *International Journal of Hydrogen Energy*, 33 (24), pp. 7326-7337. Cited 73 times.  
<http://www.journals.elsevier.com/international-journal-of-hydrogen-energy/>  
doi: 10.1016/j.ijhydene.2008.09.050  
View at Publisher
- 
- ☐ 48 Lee, K.-C., Tsai, W.-H., Yang, C.-H., Lin, Y.-Z.  
An MCDM approach for selecting green aviation fleet program management strategies under multi-resource limitations  
(2018) *Journal of Air Transport Management*, 68, pp. 76-85. Cited 37 times.  
[www.elsevier.com/inca/publications/store/3/0/4/3/8/](http://www.elsevier.com/inca/publications/store/3/0/4/3/8/)  
doi: 10.1016/j.jairtraman.2017.06.011  
View at Publisher
- 
- ☐ 49 Lenzen, M.  
Total requirements of energy and greenhouse gases for Australian transport  
(1999) *Transportation Research Part D: Transport and Environment*, 4 (4), pp. 265-290. Cited 105 times.  
[www.elsevier.com/inca/publications/store/3/1/1/5/3/](http://www.elsevier.com/inca/publications/store/3/1/1/5/3/)  
doi: 10.1016/S1361-9209(99)00009-7  
View at Publisher
-

- 50 Liao, C.-H., Tseng, P.-H., Lu, C.-S.  
Comparing carbon dioxide emissions of trucking and intermodal container transport in Taiwan ([Open Access](#))  
(2009) *Transportation Research Part D: Transport and Environment*, 14 (7), pp. 493-496. Cited 87 times.  
[www.elsevier.com/locate/transportation](http://www.elsevier.com/locate/transportation)  
doi: 10.1016/j.trd.2009.05.002  
[View at Publisher](#)
- 
- 51 Liao, C.-H., Tseng, P.-H., Cullinane, K., Lu, C.-S.  
The impact of an emerging port on the carbon dioxide emissions of inland container transport: An empirical study of Taipei port  
(2010) *Energy Policy*, 38 (9), pp. 5251-5257. Cited 91 times.  
<http://www.sciencedirect.com>  
doi: 10.1016/j.enpol.2010.05.018  
[View at Publisher](#)
- 
- 52 HE, L.-Y., QIU, L.-Y.  
Transport demand, harmful emissions, environment and health co-benefits in China ([Open Access](#))  
(2016) *Energy Policy*, 97, pp. 267-275. Cited 67 times.  
<http://www.journals.elsevier.com/energy-policy/>  
doi: 10.1016/j.enpol.2016.07.037  
[View at Publisher](#)
- 
- 53 Lu, I.J., Lewis, C., Lin, S.J.  
The forecast of motor vehicle, energy demand and CO<sub>2</sub> emission from Taiwan's road transportation sector  
(2009) *Energy Policy*, 37 (8), pp. 2952-2961. Cited 85 times.  
<http://www.journals.elsevier.com/energy-policy/>  
doi: 10.1016/j.enpol.2009.03.039  
[View at Publisher](#)
- 
- 54 Lund, H., Kempton, W.  
Integration of renewable energy into the transport and electricity sectors through V2G  
(2008) *Energy Policy*, 36 (9), pp. 3578-3587. Cited 831 times.  
doi: 10.1016/j.enpol.2008.06.007  
[View at Publisher](#)
- 
- 55 Meng, F., Liu, G., Yang, Z., Casazza, M., Cui, S., Ulgiati, S.  
Energy efficiency of urban transportation system in Xiamen, China. An integrated approach  
(2017) *Applied Energy*, Part 2 186, pp. 234-248. Cited 50 times.  
<https://www.journals.elsevier.com/applied-energy>  
doi: 10.1016/j.apenergy.2016.02.055  
[View at Publisher](#)
-

- 56 Meng, X., Han, J.  
**Roads, economy, population density, and CO<sub>2</sub>: A city-scaled causality analysis**  
  
(2018) *Resources, Conservation and Recycling*, 128, pp. 508-515. Cited 57 times.  
[www.elsevier.com/locate/resconrec](http://www.elsevier.com/locate/resconrec)  
doi: 10.1016/j.resconrec.2016.09.032  
  
View at Publisher
- 
- 57 Niu, S.-Y., Liu, C.-L., Chang, C.-C., Ye, K.-D.  
**What are passenger perspectives regarding airlines' environmental protection? An empirical investigation in Taiwan (Open Access)**  
  
(2016) *Journal of Air Transport Management*, 55, pp. 84-91. Cited 25 times.  
[www.elsevier.com/inca/publications/store/3/0/4/3/8/](http://www.elsevier.com/inca/publications/store/3/0/4/3/8/)  
doi: 10.1016/j.jairtraman.2016.04.012  
  
View at Publisher
- 
- 58 Notteboom, T.E., Rodrigue, J.-P.  
**Port regionalization: Towards a new phase in port development**  
  
(2005) *Maritime Policy and Management*, 32 (3), pp. 297-313. Cited 809 times.  
doi: 10.1080/03088830500139885  
  
View at Publisher
- 
- 59 Notteboom, T.E., Vernimmen, B.  
**The effect of high fuel costs on liner service configuration in container shipping (Open Access)**  
  
(2009) *Journal of Transport Geography*, 17 (5), pp. 325-337. Cited 328 times.  
doi: 10.1016/j.jtrangeo.2008.05.003  
  
View at Publisher
- 
- 60 Ong, H.C., Mahlia, T.M.I., Masjuki, H.H.  
**A review on energy pattern and policy for transportation sector in Malaysia**  
  
(2012) *Renewable and Sustainable Energy Reviews*, 16 (1), pp. 532-542. Cited 164 times.  
doi: 10.1016/j.rser.2011.08.019  
  
View at Publisher
- 
- 61 Paramati, S.R., Shahbaz, M., Alam, M.S.  
**Does tourism degrade environmental quality? A comparative study of Eastern and Western European Union**  
  
(2017) *Transportation Research Part D: Transport and Environment*, 50, pp. 1-13. Cited 173 times.  
[www.elsevier.com/inca/publications/store/3/1/1/5/3/](http://www.elsevier.com/inca/publications/store/3/1/1/5/3/)  
doi: 10.1016/j.trd.2016.10.034  
  
View at Publisher

- ☐ 62 Pedroni, P.  
Fully modified OLS for heterogeneous cointegrated panels  
(2000) *Advances in Econometrics*, 15, pp. 93-130. Cited 1545 times.  
<http://www.emeraldinsight.com/books.htm?issn=0731-9053>  
ISBN: 0762306882; 978-076230688-6  
doi: 10.1016/S0731-9053(00)15004-2  
[View at Publisher](#)
- 
- ☐ 63 Pesaran, M.H.  
General Diagnostic Tests for Cross Section Dependence in Panels  
(2004) . Cited 4038 times.  
University of Cambridge, Faculty of Economics Cambridge Working Papers in Economics No. 0435
- 
- ☐ 64 Pesaran, M.H.  
A simple panel unit root test in the presence of cross-section dependence  
(2007) *Journal of Applied Econometrics*, 22 (2), pp. 265-312. Cited 5866 times.  
doi: 10.1002/jae.951  
[View at Publisher](#)
- 
- ☐ 65 POLB  
Port Emissions. Port of long beach -The green ports  
(2016)  
Online available at (Accessed 11 May 2017)  
[http://www.polb.com/environment/air/port\\_emissions.asp](http://www.polb.com/environment/air/port_emissions.asp)
- 
- ☐ 66 Qiu, L.-Y., He, L.-Y.  
Are chinese green transport policies effective a new perspective from direct pollution rebound effect, and empirical evidence from the road transport sector ([Open Access](#))  
(2017) *Sustainability (Switzerland)*, 9 (3), art. no. 429. Cited 15 times.  
<http://www.mdpi.com/2071-1050/9/3/429/pdf>  
doi: 10.3390/su9030429  
[View at Publisher](#)
- 
- ☐ 67 Qiu, L.-Y., He, L.-Y.  
Can green traffic policies affect air quality? Evidence from a difference-in-difference estimation in China  
(2017) *Sustainability (Switzerland)*, 9 (6), art. no. 1067. Cited 32 times.  
<http://www.mdpi.com/2071-1050/9/6/1067/pdf>  
doi: 10.3390/su9061067  
[View at Publisher](#)
- 
- ☐ 68 Ramanathan, R., Parikh, J.K.  
Transport sector in India: An analysis in the context of sustainable development ([Open Access](#))  
(1999) *Transport Policy*, 6 (1), pp. 35-45. Cited 54 times.  
doi: 10.1016/S0967-070X(98)00030-4  
[View at Publisher](#)

- 69 Roso, V., Woxenius, J., Lumsden, K.  
**The dry port concept: connecting container seaports with the hinterland**  
(2009) *Journal of Transport Geography*, 17 (5), pp. 338-345. Cited 380 times.  
doi: 10.1016/j.jtrangeo.2008.10.008  
[View at Publisher](#)
- 
- 70 Saidi, S., Hammami, S.  
The factors of carbon dioxide emissions: what role of transport and energy consumption in sixty-five countries  
(2016) *Bulletin of Energy*, 4 (3), pp. 200-210. Cited 4 times.
- 
- 71 Saidur, R., Sattar, M.A., Masjuki, H.H., Ahmed, S., Hashim, U.  
**An estimation of the energy and exergy efficiencies for the energy resources consumption in the transportation sector in Malaysia**  
(2007) *Energy Policy*, 35 (8), pp. 4018-4026. Cited 100 times.  
doi: 10.1016/j.enpol.2007.02.008  
[View at Publisher](#)
- 
- 72 Saleem, H., Jiandong, W., Zaman, K., Elsherbini Elashkar, E., Mohamd Shoukry, A.  
**The impact of air-railways transportation, energy demand, bilateral aid flows, and population density on environmental degradation: Evidence from a panel of next-11 countries**  
(Open Access)  
(2018) *Transportation Research Part D: Transport and Environment*, 62, pp. 152-168. Cited 50 times.  
[www.elsevier.com/inca/publications/store/3/1/1/5/3/](http://www.elsevier.com/inca/publications/store/3/1/1/5/3/)  
doi: 10.1016/j.trd.2018.02.016  
[View at Publisher](#)
- 
- 73 Sánchez, R.J., Hoffmann, J., Micco, A., Pizzolitto, G.V., Sgut, M., Wilmsmeier, G.  
**Port efficiency and international trade: Port efficiency as a determinant of maritime transport costs**  
(2003) *Maritime Economics and Logistics*, 5 (2), pp. 199-218. Cited 183 times.  
doi: 10.1057/palgrave.mel.9100073  
[View at Publisher](#)
- 
- 74 Schipper, L., Saenger, C., Sudardshan, A.  
**Transport and carbon emissions in the United States: The long view**  
(2011) *Energies*, 4 (4), pp. 563-581. Cited 50 times.  
<http://www.mdpi.com/1996-1073/4/4/563/pdf>  
doi: 10.3390/en4040563  
[View at Publisher](#)
-

- 75 Schmidt, M., Paul, A., Cole, M., Ploetner, K.O.  
**Challenges for ground operations arising from aircraft concepts using alternative energy**  
  
(2016) *Journal of Air Transport Management*, 56 (Part B), pp. 107-117. Cited 24 times.  
[www.elsevier.com/locate/jairtraman](http://www.elsevier.com/locate/jairtraman)  
doi: 10.1016/j.jairtraman.2016.04.023  
  
View at Publisher
- 
- 76 Shabbir, R., Ahmad, S.S.  
**Monitoring urban transport air pollution and energy demand in Rawalpindi and Islamabad using leap model (Open Access)**  
  
(2010) *Energy*, 35 (5), pp. 2323-2332. Cited 144 times.  
[www.elsevier.com/locate/energy](http://www.elsevier.com/locate/energy)  
doi: 10.1016/j.energy.2010.02.025  
  
View at Publisher
- 
- 77 Shiu, A., Li, R., Woo, C.-K.  
**Economic growth and infrastructure investments in energy and transportation: A causality interpretation of China's western development strategy**  
  
(2016) *Energy Journal*, 37, pp. 211-222. Cited 13 times.  
<http://www.iaee.org/en/publications/init2.aspx?id=0>  
doi: 10.5547/01956574.37.S11.ashi  
  
View at Publisher
- 
- 78 Smith, P.M., Gaffney, M.J., Shi, W., Hoard, S., Armendariz, I.I., Mueller, D.W.  
**Drivers and barriers to the adoption and diffusion of Sustainable Jet Fuel (SJF) in the U.S. Pacific Northwest**  
  
(2017) *Journal of Air Transport Management*, 58, pp. 113-124. Cited 27 times.  
[www.elsevier.com/locate/jairtraman](http://www.elsevier.com/locate/jairtraman)  
doi: 10.1016/j.jairtraman.2016.10.004  
  
View at Publisher
- 
- 79 Sinha, A., Mehta, A.  
**Causal analysis of India's energy-led growth and CO2 emission (1960-2010)**  
(2014) *Indian J. Econ. Bus.*, 13 (1), pp. 81-89. Cited 16 times.
- 
- 80 Taylan, O., Demirbas, A.  
**Forecasting and analysis of energy consumption for transportation in the Kingdom of Saudi Arabia (Open Access)**  
  
(2016) *Energy Sources, Part B: Economics, Planning and Policy*, 11 (12), pp. 1150-1157. Cited 8 times.  
<http://www.tandf.co.uk/journals/titles/15567249.asp>  
doi: 10.1080/15567249.2015.1004383  
  
View at Publisher





---

## About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

## Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

## Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

---

## ELSEVIER

[Terms and conditions ↗](#) [Privacy policy ↗](#)

All content on this site: Copyright © 2024 Elsevier B.V. ↗, its licensors, and contributors. All rights are reserved, including those for text and data mining, AI training, and similar technologies. For all open access content, the Creative Commons licensing terms apply.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.

