

## Other journals (21 papers)

1. Kopeć, S., Lach, Ł., 2021, *Jak mierzyć postępy transformacji energetycznej?* Energetyka rozproszona 5-6: 133-148.
2. Gretszel, P., Gurgul H., Lach Ł., Schleicher, S., 2020, *Testing for economic and environmental impacts of EU Emissions Trading System: A panel GMM approach*, Managerial Economics 21(2): 99-125.
3. Gurgul H., Lach Ł., 2016, *Comparative advantage of the EU in global value chains: How important and efficient are new EU members in transition?*, Managerial Economics 17(1): 21–58.
4. Gurgul H., Lach Ł., Wójtowicz T. 2016, *Linear and nonlinear intraday causalities in response to U.S. macroeconomic news announcements: Evidence from Central Europe*, Managerial Economics 17(2): 217-240.
5. Gurgul H., Lach Ł., 2015, *Key sectors after a decade of transformation: evidence from Poland*, Managerial Economics 16(1): 39–76.
6. Gurgul H., Lach Ł., 2015, *Do public news announcements matter? The case of intraday returns, volume and volatility relations in selected European markets*, Zeszyty Naukowe Uniwersytetu Szczecińskiego nr 854, "Finanse, Rynki finansowe, Ubezpieczenia" nr 73: 633-644.
7. Gurgul H., Lach Ł., 2015, *The nexus between inflation rate and economic growth of Polish provinces after EU accession*, Studia Ekonomiczne – Zeszyty Naukowe Uniwersytetu Ekonomicznego w Katowicach, 206: 20-33.
8. Gurgul H., Lach Ł., 2013, *Export diversification and economic growth in transition: lessons from the 2008 financial crisis in CEE*, Quantitative methods in economics 14(1): 137–149.
9. Gurgul H., Lach Ł., 2012, *Two deficits and economic growth: Case of CEE countries in transition*, Managerial Economics 12: 79–108.
10. Gurgul H., Lach Ł., 2012, *The impact of regional disparities on economic growth*, Operations Research and Decisions 22(2): 37–63.
11. Gurgul H., Lach Ł., 2012, *The Nexus between Improvements in Economic Freedom and Growth: Evidence from CEE Countries in Transition*, Central European Journal of Economic Modelling and Econometrics 3: 133-168.
12. Gurgul H., Lach Ł., 2012, *Technological progress and economic growth: evidence from Poland*, Ekonometria. Zastosowania Metod Ilościowych 34: 354–386.
13. Lach Ł., 2012, *Fixed capital and long run economic growth: evidence from Poland*, Systems Science 36 (4): 33–50.
14. Gurgul H., Lach Ł., 2011, *Causality analysis between public expenditure and economic growth of Polish economy in last decade*, Statistics in Transition: new series. International journal of the Polish Statistical Association 11: 329–359.
15. Lach Ł., 2011, *Impact of hard coal usage for metal production on economic growth of Poland*, Managerial Economics 9: 103–120.
16. Gurgul H., Lach Ł., 2011, *The interdependence between energy consumption and economic growth in the Polish economy in the last decade*, Managerial Economics 9: 25–48.
17. Lach Ł., 2010, *Application of bootstrap methods in investigation of size of the Granger causality test for integrated VAR systems*, Managing Global Transitions: International research journal 8: 167–186.
18. Gurgul H., Lach Ł., 2010, *International trade and economic growth in the Polish*

- economy*, *Operations Research and Decisions* 20: 5–29.
19. Gurgul H., Lach Ł., 2009, **Związki przyczynowe pomiędzy bezpośrednimi inwestycjami zagranicznymi w Polsce a podstawowymi wskaźnikami makroekonomicznymi (część teoretyczna)**, *Ekonomia Menedżerska* 6: 63–76.
  20. Gurgul H., Lach Ł., 2009, **Związki przyczynowe pomiędzy bezpośrednimi inwestycjami zagranicznymi w Polsce a podstawowymi wskaźnikami makroekonomicznymi (wyniki badań empirycznych)**, *Ekonomia Menedżerska* 6: 77–91.
  21. Gurgul H., Lach Ł., 2009, **Linear versus nonlinear causality for DAX companies**, *Operations Research and Decisions* 3: 27–46.