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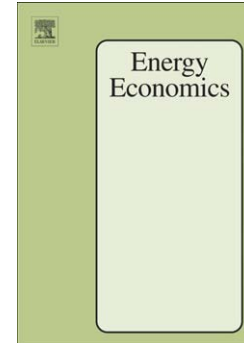
Can Stock Market Investors Hedge Energy Risk? Evidence from Asia

Jonathan A. Batten, Harald Kinateder, Peter G. Szilagyi, Niklas F. Wagner

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# Can Stock Market Investors Hedge Energy Risk?

## Evidence from Asia

Jonathan A. Batten<sup>1</sup>, Harald Kinateder<sup>2</sup>, Peter G. Szilagyi<sup>3</sup> and Niklas F. Wagner<sup>4</sup>

1. Department of Banking and Finance, Monash University,  
Caulfield Campus, PO Box 197, Caulfield East, Victoria 3145, Australia,  
Tel: +61 3 99034557, Email: jonathan.batten@monash.edu
  2. Department of Business and Economics, University of Passau  
Innstraße 27, 94030 Passau, Germany.  
Tel: +49 (0)851 509 3243, Email: harald.kinateder@uni-passau.de
  3. CEU Business School, Central European University, Frankel Leó út 30-34., Budapest 1023, Hungary  
Tel: +36 1 887 5092. Email: szilagyi@business.ceu.edu
- Judge Business School, University of Cambridge,  
Trumpington Street, Cambridge, CB2 1AG, United Kingdom.  
Tel: +44 (0)1223 764 026
4. Department of Business and Economics, University of Passau  
Innstraße 27, 94030 Passau, Germany.  
Tel: +49 (0)851 509 3240, Email: niklas.wagner@uni-passau.de

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**JEL classifications:** F15, F2, F36, G10, G15

### Abstract:

The relationship between energy and stock prices is investigated in the context of Asia, including China and Japan. Oil, gas and coal prices are considered both individually and in an energy portfolio. Consistent with evidence from analysis of other asset prices in international markets, during the post Global Financial Crisis (GFC) period, Asian stock markets moved in tandem with oil prices. However, using asset pricing and portfolio theory we identify time-varying integration between individual stock markets and the energy portfolio, which in turn may limit the benefit of risk reduction through diversification. However, this relation can also be used to hedge the common factor arising from energy risk. Doing so provides benefits to investors in the form of positive risk adjusted returns, although these are episodic.

### Highlights:

1. The relation between energy and stock prices is investigated in the context of Asia
2. There is time-varying integration between individual stock markets and the energy portfolio
3. This relation can successfully hedge the common factor arising from energy risk

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