

Top Shipping School Research Rankings 2009-2011

Shipping is a global industry and is closely linked to international trade. Industrialization and globalization bolster global trade and the total seaborne trade volume had tripled from 1990 to 2011. Shipping refers to cargo movement between two or more geographic locations in all transport modes. Shipping research has proliferated significantly in recent years. Researchers have devoted considerable effort to advance the knowledge frontier of shipping studies as well as the theoretical foundation. Scholarly journal publications are important to facilitate knowledge sharing among researchers.

By tracking publications on shipping studies under the category “Transportation”, we examine research on shipping and shipping-related topics captured in Thomson Reuters’ database of *ISI Web of Science* between 2009 and 2011. This report provides information on: (1) number of shipping articles published between 2009 and 2011, (2) key journals publishing shipping research outputs, and (3) worldwide rankings of shipping schools.

To begin, we conducted a search of the Citation Report in the *ISI Web of Science* to identify shipping-related articles published between 2009 and 2011 under the category of “Transportation”. We found that there are 283 such articles as follows:

Web of Science®

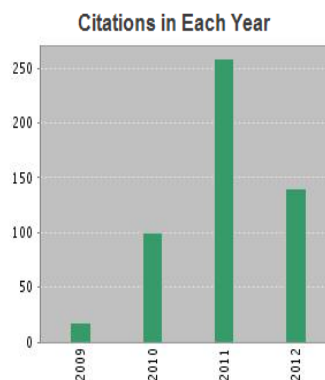
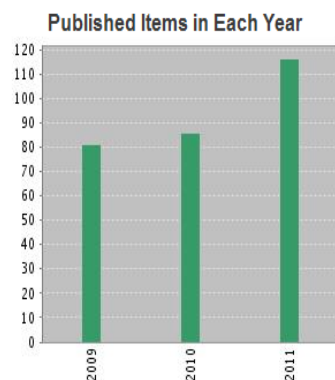
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Citation Report Topic=(shipping)

Refined by: Web of Science Categories=(TRANSPORTATION)

Timespan=2009-2011. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.



Results found:	283
Sum of the Times Cited [?]:	514
Sum of Times Cited without self-citations [?]:	372
Citing Articles[?]:	334
Citing Articles without self-citations [?]:	259
Average Citations per Item [?]:	1.82
h-index [?]:	10

It is important to identify the key scholarly journals that regularly publish research outputs on shipping and related studies. According to the *ISI Web of Science*, 12 key journals published shipping articles between 2009 and 2011. These journals accounted for more than 90% of the total shipping research outputs in 2009-2011 (i.e., 261 out of 283 articles):

Journal	No. of shipping articles published in 2009-2011
<i>Maritime Policy and Management</i>	66
<i>International Journal of Shipping and Transport Logistics (IJSTL)</i>	36
<i>Maritime Economics Logistics</i>	33
<i>Transportation Research: Part E (TRE)</i>	31
<i>Journal of Transport Geography (JTG)</i>	26
<i>Transportation Research Record</i>	20
<i>Transportation Research: Part D (TRD)</i>	12
<i>Transport Reviews</i>	11
<i>Accident Analysis and Prevent (AAP)</i>	7
<i>Transport Policy</i>	7
<i>Journal of Transport Economics and Policy</i>	6
<i>Transportation Journal</i>	6
Total	261

(Date of search: 21 June 2012)

A useful method to identify the impact and contribution of journal articles is to examine the number of citations to the published articles. Among the 283 shipping-related articles published in 2009-2011, the highly cited papers are listed as follows:

Journal	Article title	Author	No. of Citations
<i>JTG</i>	The effect of high fuel costs on liner service configuration in container shipping	Notteboom Theo E. and Vernimmen Bert	19
<i>IJSTL</i>	Fleet mix in container shipping operations	Lun Y. H. Venus and Browne Michael	17
<i>TRE</i>	Container fleet sizing and empty reposition in liner shipping systems	Dong Jing-Xin and Song Dong-Ping	15
<i>IJSTL</i>	An empirical model of the bulk shipping market	Lun Y. H. Venus and Quaddus M.A.	14
<i>TRE</i>	Multi-port vs. hub-and-spoke port calls by containerships	Imai Akio, Shintani Koichi and Papadimitriou Stratos	14
<i>TRE</i>	Port choice and freight forwarders	Tongzon Jose L.	12
<i>TRD</i>	Effectiveness and costs of speed reductions on emissions from international shipping	Corbett J.J., Wang Haifeng and Winebrake J.J.	12
<i>AAP</i>	Analytical HFACS for investigating human errors in shipping accidents	Celik Metin and Cebi Selcuk	11
<i>TRE</i>	Container routing with time deadlines and simultaneous deliveries and pick-ups	Karlaftis M.G., Kepaptsoglou K. and Sambracos E.	11

(Date of search: 21 June 2012)

Based on the data extracted from the *ISI Web of Science*, the main outlets for highly cited shipping research outputs are *TRE* and *IJSTL*. Other scholarly journals that publish highly cited shipping articles include *JTG*, *TRD*, and *AAP*.

To provide timely data on the research productivity of leading shipping schools, we report in the following the top world rankings of shipping schools based on the number of shipping articles they published between 2009 and 2011:

Rank	University	No. of shipping articles published in 2009-2011
1	The Hong Kong Polytechnic University	23
2	University of Antwerp	18
3	University of Piraeus	15
4	Erasmus University	12
5-7	Cardiff University	10
	National University of Singapore	10
	University of Plymouth	10
8	Nanyang Technological University	8
9-10	Delft University of Technology	7
	University of the Aegean	7
11-13	National Cheng Kung University	5
	National Technical University of Athens	5
	Technical University of Denmark	5
14-15	Antwerp Maritime Academy	4
	National Kaohsiung Marine University	4
16-28	Cyprus University of Technology	3
	Ecole Polytechnique	3
	Euromed Management	3
	Istanbul Technical University	3
	Kainan University	3
	Molde University College	3
	National Taiwan Ocean University	3
	North Dakota State University	3
	University of Genoa	3
	University of Ghent	3
	University Jaume	3
	University of Maryland	3
	World Maritime University	3

(Date of search: 21 June 2012)