

Key Areas For Digital Development In The Maritime Supply Chain

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Agenda

- 1. Recent developments and trends in digitalization in shipping research
- 2. The role of Vessel Traffic Service (VTS) in port operation digitalization
- 3. Case study of a European port: potential for digitalization



Keyword Search in Web of Science

- **1.** (((("digitalization" OR "digitalisation" OR
- 2. ("blockchain" OR "artificial intelligence" OR "internet of things" OR "digital twin" OR "big data" OR "predictive maintenance" OR "cyber security")) AND
- 3. ("shipping" OR "maritime" OR "port" OR "vessel" OR "ship"))))



Research output in digitalization in shipping

Keyword Dynamics



Three-Fields-Plot

	learning (artificial intelligence) big data analytics	greece japan
annals of operations research	machine learning	china
	ais	
sensors maritime policy & management		norway
international journal of shipping and transport logistics	big data	usa
	energy efficiency	united kingdom
symmetry-basel sustainability marine technology society journal	maritime	germany
scientific journals of the maritime university of szczecin-zeszyty naukowe akademii morskiej w szczecinie ocean engineering	artificial intelligence	spain
ieee access engineering applications of artificial intelligence journal of navigation wmu journal of maritime affairs journal of marine science and technology-taiwan polish maritime research naval engineers journal	maritime industry	switzerland australia
	internet of things	poland
	genetic algorithm	korea
	e-navigation decision support system	italy
	digitalization	taiwan
	ship design	sweden





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More potentials...

- Virtual reality
- Blockchain
- Autonomous shipping
- Crowdfunding







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