

# Harilaos N Psaraftis

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

6,288  
citations

87888

38  
h-index

71685

76  
g-index

122  
all docs

122  
docs citations

122  
times ranked

3140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of short-term measures to decarbonize maritime transport on perishable cargoes. Maritime Economics and Logistics, 2022, 24, 602-629.	4.0	6
2	Transport service selection and routing with carbon emissions and inventory costs consideration in the context of the Belt and Road Initiative. Transportation Research, Part E: Logistics and Transportation Review, 2022, 159, 102630.	7.4	24
3	Implications of the EU Emissions Trading System (ETS) on European container routes: A carbon leakage case study. Maritime Transport Research, 2022, 3, 100059.	3.2	17
4	Impacts of a bunker levy on decarbonizing shipping: A tanker case study. Transportation Research, Part D: Transport and Environment, 2022, 106, 103257.	6.8	21
5	Three potential benefits of the EU and IMO's landmark efforts to monitor carbon dioxide emissions from shipping. Frontiers of Engineering Management, 2021, 8, 310-311.	6.1	12
6	A comparative evaluation of market based measures for shipping decarbonization. Maritime Transport Research, 2021, 2, 100019.	3.2	32
7	Impact assessment of a mandatory operational goal-based short-term measure to reduce GHG emissions from ships: the LDC/SIDS case study. International Environmental Agreements: Politics, Law and Economics, 2021, 21, 445-467.	2.9	7
8	The Future of Maritime Transport. , 2021, , 535-539.		4
9	Implications of the EU's Inclusion of Maritime Transport in the Emissions Trading System for Shipping Companies. Engineering, 2021, 7, 554-557.	6.7	32
10	The impact of the 2020 global sulfur cap on maritime CO <sub>2</sub> emissions. Maritime Business Review, 2021, 6, 339-357.	1.8	12
11	Shipping decarbonization in the aftermath of MEPC 76. Cleaner Logistics and Supply Chain, 2021, 1, 100008.	6.0	19
12	Paradox of international maritime organization's carbon intensity indicator. Communications in Transportation Research, 2021, 1, 100005.	10.7	57
13	Energy Efficiency of Ships. , 2021, , 294-298.		1
14	Decarbonization of Maritime Transport: Is There Light at the End of the Tunnel?. Sustainability, 2021, 13, 237.	3.2	41
15	Data analytics for fuel consumption management in maritime transportation: Status and perspectives. Transportation Research, Part E: Logistics and Transportation Review, 2021, 155, 102489.	7.4	51
16	Bi-level optimization model applications in managing air emissions from ships: A review. Communications in Transportation Research, 2021, 1, 100020.	10.7	36
17	Decarbonizing maritime transport: A Ro-Pax case study. Research in Transportation Business and Management, 2020, 37, 100565.	2.9	24
18	Ship weather routing: A taxonomy and survey. Ocean Engineering, 2020, 213, 107697.	4.3	82

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19	AEGIS: Advanced, efficient and green intermodal systems. IOP Conference Series: Materials Science and Engineering, 2020, 929, 012030.	0.6	5
20	A Literature Survey on Market-Based Measures for the Decarbonization of Shipping. Sustainability, 2020, 12, 3953.	3.2	66
21	Influence and transparency at the IMO: the name of the game. Maritime Economics and Logistics, 2020, 22, 151-172.	4.0	25
22	Reduced environmental impact of marine transport through speed reduction and wind assisted propulsion. Transportation Research, Part D: Transport and Environment, 2020, 83, 102380.	6.8	27
23	The role of operational research in green freight transportation. European Journal of Operational Research, 2019, 274, 807-823.	5.7	121
24	The Need to Amend IMO's EEDI to Include a Threshold for Performance in Waves (Realistic Sea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	23
25	Speed optimization versus speed reduction: Are speed limits better than a bunker levy?. Maritime Economics and Logistics, 2019, 21, 524-542.	4.0	25
26	Monitoring the Carbon Footprint of Dry Bulk Shipping in the EU: An Early Assessment of the MRV Regulation. Sustainability, 2019, 11, 5133.	3.2	26
27	The enforcement of the global sulfur cap in maritime transport. Maritime Business Review, 2019, 4, 199-216.	1.8	14
28	Speed Optimization vs Speed Reduction: the Choice between Speed Limits and a Bunker Levy. Sustainability, 2019, 11, 2249.	3.2	50
29	Policy measures to avert possible modal shifts caused by sulphur regulation in the European Ro-Ro sector. Transportation Research, Part D: Transport and Environment, 2019, 70, 1-17.	6.8	22
30	Speed Optimization for Sustainable Shipping. , 2019, , 339-374.		2
31	Reducing GHGs: The MBM and MRV Agendas. , 2019, , 375-405.		6
32	Reducing Sulfur Emissions: Logistical and Environmental Considerations. , 2019, , 249-284.		0
33	Decarbonization of maritime transport: to be or not to be?. Maritime Economics and Logistics, 2019, 21, 353-371.	4.0	58
34	The profit maximizing liner shipping problem with flexible frequencies: logistical and environmental considerations. Flexible Services and Manufacturing Journal, 2019, 31, 567-597.	3.4	23
35	Operational measures to mitigate and reverse the potential modal shifts due to environmental legislation. Maritime Policy and Management, 2019, 46, 117-132.	3.8	46
36	Ship routing and scheduling: the cart before the horse conjecture. Maritime Economics and Logistics, 2019, 21, 111-124.	4.0	16

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37	Key performance indicators to assess and reverse the negative impacts of SECAs policies for Ro-Ro shipping. FME Transactions, 2018, 46, 347-354.	1.4	5
38	The implications of the new sulphur limits on the European Ro-Ro sector. Transportation Research, Part D: Transport and Environment, 2017, 52, 185-201.	6.8	64
39	A multiple ship routing and speed optimization problem under time, cost and environmental objectives. Transportation Research, Part D: Transport and Environment, 2017, 52, 303-321.	6.8	100
40	Green Maritime Logistics: The Quest for Win-win Solutions. Transportation Research Procedia, 2016, 14, 133-142.	1.5	43
41	Payback Period for Emissions Abatement Alternatives: Role of Regulation and Fuel Prices. Transportation Research Record, 2016, 2549, 37-44.	1.9	50
42	A Simple Synchro “ Modal Decision Support Tool for the Piraeus Container Terminal. Transportation Research Procedia, 2016, 14, 2860-2869.	1.5	23
43	Dynamic vehicle routing problems: Three decades and counting. Networks, 2016, 67, 3-31.	2.7	310
44	Green Transportation Logistics. Profiles in Operations Research, 2016, , .	0.4	27
45	Transportation Emissions: Some Basics. Profiles in Operations Research, 2016, , 41-79.	0.4	9
46	Green Maritime Transportation: Market Based Measures. Profiles in Operations Research, 2016, , 267-297.	0.4	10
47	Green Maritime Transportation: Speed and Route Optimization. Profiles in Operations Research, 2016, , 299-349.	0.4	12
48	Guest Editorial: Special Issue on Maritime Transportation and Port Logistics. Transportation Science, 2015, 49, 868-869.	4.4	0
49	On two speed optimization problems for ships that sail in and out of emission control areas. Transportation Research, Part D: Transport and Environment, 2015, 39, 56-64.	6.8	108
50	Maritime routing and speed optimization with emission control areas. Transportation Research Part C: Emerging Technologies, 2015, 52, 57-73.	7.6	218
51	The economic speed of an oceangoing vessel in a dynamic setting. Transportation Research Part B: Methodological, 2015, 76, 48-67.	5.9	32
52	Maritime shipping and emissions: A three-layered, damage-based approach. Ocean Engineering, 2015, 110, 94-101.	4.3	69
53	Slow Steaming in Maritime Transportation: Fundamentals, Trade-offs, and Decision Models. Profiles in Operations Research, 2015, , 315-358.	0.4	11
54	Green Corridors and Their Possible Impact on the European Supply Chain. Profiles in Operations Research, 2015, , 521-550.	0.4	1

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55	Ship speed optimization: Concepts, models and combined speed-routing scenarios. Transportation Research Part C: Emerging Technologies, 2014, 44, 52-69.	7.6	206
56	The possible designation of the Mediterranean Sea as a SECA: A case study. Transportation Research, Part D: Transport and Environment, 2014, 28, 74-90.	6.8	61
57	Speed models for energy-efficient maritime transportation: A taxonomy and survey. Transportation Research Part C: Emerging Technologies, 2013, 26, 331-351.	7.6	374
58	Call for Papers "Focused Issue of Transportation Science on Maritime Transportation and Port Logistics. Transportation Science, 2013, 47, 128-128.	4.4	0
59	Green Corridors in European Surface Freight Logistics. Profiles in Operations Research, 2013, , 193-218.	0.4	1
60	Market-based measures for greenhouse gas emissions from ships: a review. WMU Journal of Maritime Affairs, 2012, 11, 211-232.	2.7	109
61	Concession of the Piraeus container terminal: turbulent times and the quest for competitiveness. Maritime Policy and Management, 2012, 39, 27-43.	3.8	26
62	Green Corridors in European Surface Freight Logistics and the SuperGreen Project. Procedia, Social and Behavioral Sciences, 2012, 48, 1723-1732.	0.5	19
63	Formal Safety Assessment: an updated review. Journal of Marine Science and Technology, 2012, 17, 390-402.	2.9	54
64	Liner shipping cycle cost modelling, fleet deployment optimization and what-if analysis. Maritime Economics and Logistics, 2011, 13, 278-297.	4.0	22
65	Letter to the Editor. Marine Pollution Bulletin, 2011, 62, 878-879.	5.0	0
66	A multi-commodity, capacitated pickup and delivery problem: The single and two-vehicle cases. European Journal of Operational Research, 2011, 215, 572-580.	5.7	21
67	Reduction of emissions along the maritime intermodal container chain: operational models and policies. Maritime Policy and Management, 2011, 38, 451-469.	3.8	113
68	The link between economy and environment in the post-crisis era: lessons learned from slow steaming. International Journal of Decision Sciences, Risk and Management, 2011, 3, 311.	0.1	13
69	SHIP EMISSIONS, COSTS AND THEIR TRADEOFFS. , 2011, , 257-295.		2
70	CLIMATE CHANGE POLICY IN SHIPPING FOCUSING ON EMISSION STANDARDS AND TECHNOLOGY MEASURES. Environmental Engineering and Management Journal, 2011, 10, 1589-1596.	0.6	4
71	The effects of regulatory changes on green freight corridors. , 2011, , 807-814.		0
72	Container transportation as an interdependent security problem. Journal of Transportation Security, 2010, 3, 197-211.	1.4	13

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73	An empirical analysis of IOPCF oil spill cost data. Marine Pollution Bulletin, 2010, 60, 1455-1466.	5.0	94
74	Balancing the economic and environmental performance of maritime transportation. Transportation Research, Part D: Transport and Environment, 2010, 15, 458-462.	6.8	214
75	The LNG Market: A Game Theoretic Approach to Competition in LNG Shipping. Maritime Economics and Logistics, 2009, 11, 227-246.	4.0	13
76	CO2 emission statistics for the world commercial fleet. WMU Journal of Maritime Affairs, 2009, 8, 1-25.	2.7	155
77	A web-based open emissions calculator. International Journal of Ocean Systems Management, 2009, 1, 188.	0.1	1
78	International Symposium on Maritime Safety, Security and Environmental Protection. WMU Journal of Maritime Affairs, 2008, 7, 1-3.	2.7	1
79	The role of Mediterranean short sea shipping in the EU transport chain: The case of Greece. WMU Journal of Maritime Affairs, 2008, 7, 17-30.	2.7	1
80	Environmental risk evaluation criteria. WMU Journal of Maritime Affairs, 2008, 7, 409-427.	2.7	15
81	Comments on: Static pickup and delivery problems: a classification scheme and survey. Top, 2007, 15, 41-42.	1.6	0
82	Analysis of the Greek Coastal Shipping Companies with a Multi-Criteria Evaluation Model. , 2006, , 407-436.		1
83	Tariff Reform in the Port of Piraeus: a Practical Approach. Maritime Economics and Logistics, 2005, 7, 356-381.	4.0	12
84	Introduction to an innovative crew composition approach based on safety/operational and financial requirements. WMU Journal of Maritime Affairs, 2005, 4, 33-55.	2.7	2
85	EU Ports Policy: Where do we Go from Here?. Maritime Economics and Logistics, 2005, 7, 73-82.	4.0	28
86	Optimizing shipping company operations using business process modelling. Maritime Policy and Management, 2005, 32, 403-420.	3.8	22
87	A high-level synthesis of oil spill response equipment and countermeasures. Journal of Hazardous Materials, 2004, 107, 51-58.	12.4	151
88	Spill accident modeling: a critical survey of the event-decision network in the context of IMO's formal safety assessment. Journal of Hazardous Materials, 2004, 107, 59-66.	12.4	29
89	Maritime safety: To be or not to be proactive. WMU Journal of Maritime Affairs, 2002, 1, 3-16.	2.7	24
90	A synthesis algorithm for an oil spill problem of complementary locations on networks. Applied Mathematical Modelling, 2001, 25, 269-285.	4.2	0

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91	Foreword to the Focused Issue on Maritime Transportation. <i>Transportation Science</i> , 1999, 33, 1-2.	4.4	10
92	Dynamic vehicle routing: Status and prospects. <i>Annals of Operations Research</i> , 1995, 61, 143-164.	4.1	389
93	Cyclic Transfer Algorithm for Multivehicle Routing and Scheduling Problems. <i>Operations Research</i> , 1993, 41, 935-946.	1.9	237
94	Dynamic Shortest Paths in Acyclic Networks with Markovian Arc Costs. <i>Operations Research</i> , 1993, 41, 91-101.	1.9	89
95	Routing and Scheduling on a Shoreline with Release Times. <i>Management Science</i> , 1990, 36, 212-223.	4.1	76
96	Bibliographic Section. <i>Transportation Science</i> , 1987, 21, 126-129.	4.4	0
97	A heuristic algorithm for the multi-vehicle advance request dial-a-ride problem with time windows. <i>Transportation Research Part B: Methodological</i> , 1986, 20, 243-257.	5.9	384
98	Scheduling Large-Scale Advance-Request Dial-A-Ride Systems. <i>American Journal of Mathematical and Management Sciences</i> , 1986, 6, 327-367.	0.9	20
99	Optimal Response to Oil Spills: The Strategic Decision Case. <i>Operations Research</i> , 1986, 34, 203-217.	1.9	62
100	A Tactical Decision Algorithm for the Optimal Dispatching of Oil Spill Cleanup Equipment. <i>Management Science</i> , 1985, 31, 1475-1491.	4.1	37
101	STRATEGIC PLANNING FOR LARGE AND SMALL OIL SPILLS IN NEW ENGLAND. <i>International Oil Spill Conference Proceedings</i> , 1985, 1985, 645-645.	0.1	0
102	A sequential hypothesis testing, optimal stopping problem in underwater acoustic detection. <i>Journal of the Acoustical Society of America</i> , 1984, 75, 859-865.	1.1	2
103	On the practical importance of asymptotic optimality in certain heuristic algorithms. <i>Networks</i> , 1984, 14, 587-596.	2.7	12
104	PUTTING AN OIL SPILL CLEANUP COMPUTER MODEL TO WORK FOR THE NAVY. <i>Naval Engineers Journal</i> , 1983, 95, 165-172.	0.1	0
105	k-Interchange procedures for local search in a precedence-constrained routing problem. <i>European Journal of Operational Research</i> , 1983, 13, 391-402.	5.7	74
106	Analysis of an $O(N^2)$ heuristic for the single vehicle many-to-many Euclidean dial-a-ride problem. <i>Transportation Research Part B: Methodological</i> , 1983, 17, 133-145.	5.9	73
107	An Exact Algorithm for the Single Vehicle Many-to-Many Dial-A-Ride Problem with Time Windows. <i>Transportation Science</i> , 1983, 17, 351-357.	4.4	230
108	Discrete-time detection modeling for unsaturated ocean acoustic propagation. <i>Journal of the Acoustical Society of America</i> , 1983, 74, 1630-1633.	1.1	3

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109	FIRST EXPERIENCES WITH THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY OIL SPILL MODEL. International Oil Spill Conference Proceedings, 1983, 1983, 301-305.	0.1	3
110	A basic problem of resource allocation in target tracking. Journal of the Acoustical Society of America, 1982, 72, 824-833.	1.1	3
111	New models on the ocean acoustic detection process. Journal of the Acoustical Society of America, 1981, 69, 1724-1734.	1.1	5
112	THE LEGAL ENVIRONMENT COMPONENT OF AN OIL SPILL CLEANUP MODEL. International Oil Spill Conference Proceedings, 1981, 1981, 695-700.	0.1	1
113	A Dynamic Programming Solution to the Single Vehicle Many-to-Many Immediate Request Dial-a-Ride Problem. Transportation Science, 1980, 14, 130-154.	4.4	469
114	A Dynamic Programming Approach for Sequencing Groups of Identical Jobs. Operations Research, 1980, 28, 1347-1359.	1.9	175
115	Maritime Transportation. , 0, , 669-674.		0