

Harilaos N Psaraftis

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

6,288
citations

100601

38
h-index

81351

76
g-index

122
all docs

122
docs citations

122
times ranked

3565
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of short-term measures to decarbonize maritime transport on perishable cargoes. <i>Maritime Economics and Logistics</i> , 2022, 24, 602-629.	2.0	6
2	Transport service selection and routing with carbon emissions and inventory costs consideration in the context of the Belt and Road Initiative. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 159, 102630.	3.7	24
3	Implications of the EU Emissions Trading System (ETS) on European container routes: A carbon leakage case study. <i>Maritime Transport Research</i> , 2022, 3, 100059.	1.5	17
4	Impacts of a bunker levy on decarbonizing shipping: A tanker case study. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 106, 103257.	3.2	21
5	Three potential benefits of the EU and IMO's landmark efforts to monitor carbon dioxide emissions from shipping. <i>Frontiers of Engineering Management</i> , 2021, 8, 310-311.	3.3	12
6	A comparative evaluation of market based measures for shipping decarbonization. <i>Maritime Transport Research</i> , 2021, 2, 100019.	1.5	32
7	Impact assessment of a mandatory operational goal-based short-term measure to reduce GHG emissions from ships: the LDC/SIDS case study. <i>International Environmental Agreements: Politics, Law and Economics</i> , 2021, 21, 445-467.	1.5	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. <i>Engineering</i> , 2021, 7, 554-557.	3.2	32
10	The impact of the 2020 global sulfur cap on maritime CO ₂ emissions. <i>Maritime Business Review</i> , 2021, 6, 339-357.	1.1	12
11	Shipping decarbonization in the aftermath of MEPC 76. <i>Cleaner Logistics and Supply Chain</i> , 2021, 1, 100008.	3.1	19
12	Paradox of international maritime organization's carbon intensity indicator. <i>Communications in Transportation Research</i> , 2021, 1, 100005.	4.9	57
13	Energy Efficiency of Ships. , 2021, , 294-298.		1
14	Decarbonization of Maritime Transport: Is There Light at the End of the Tunnel?. <i>Sustainability</i> , 2021, 13, 237.	1.6	41
15	Data analytics for fuel consumption management in maritime transportation: Status and perspectives. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 155, 102489.	3.7	51
16	Bi-level optimization model applications in managing air emissions from ships: A review. <i>Communications in Transportation Research</i> , 2021, 1, 100020.	4.9	36
17	Decarbonizing maritime transport: A Ro-Pax case study. <i>Research in Transportation Business and Management</i> , 2020, 37, 100565.	1.6	24
18	Ship weather routing: A taxonomy and survey. <i>Ocean Engineering</i> , 2020, 213, 107697.	1.9	82

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19	AEGIS: Advanced, efficient and green intermodal systems. IOP Conference Series: Materials Science and Engineering, 2020, 929, 012030.	0.3	5
20	A Literature Survey on Market-Based Measures for the Decarbonization of Shipping. Sustainability, 2020, 12, 3953.	1.6	66
21	Influence and transparency at the IMO: the name of the game. Maritime Economics and Logistics, 2020, 22, 151-172.	2.0	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.	3.2	27
23	The role of operational research in green freight transportation. European Journal of Operational Research, 2019, 274, 807-823.	3.5	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	1.6	23
25	Speed optimization versus speed reduction: Are speed limits better than a bunker levy?. Maritime Economics and Logistics, 2019, 21, 524-542.	2.0	25
26	Monitoring the Carbon Footprint of Dry Bulk Shipping in the EU: An Early Assessment of the MRV Regulation. Sustainability, 2019, 11, 5133.	1.6	26
27	The enforcement of the global sulfur cap in maritime transport. Maritime Business Review, 2019, 4, 199-216.	1.1	14
28	Speed Optimization vs Speed Reduction: the Choice between Speed Limits and a Bunker Levy. Sustainability, 2019, 11, 2249.	1.6	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.	3.2	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.	2.0	58
34	The profit maximizing liner shipping problem with flexible frequencies: logistical and environmental considerations. Flexible Services and Manufacturing Journal, 2019, 31, 567-597.	1.9	23
35	Operational measures to mitigate and reverse the potential modal shifts due to environmental legislation. Maritime Policy and Management, 2019, 46, 117-132.	1.9	46
36	Ship routing and scheduling: the cart before the horse conjecture. Maritime Economics and Logistics, 2019, 21, 111-124.	2.0	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.	0.7	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.	3.2	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.	3.2	100
40	Green Maritime Logistics: The Quest for Win-win Solutions. Transportation Research Procedia, 2016, 14, 133-142.	0.8	43
41	Payback Period for Emissions Abatement Alternatives: Role of Regulation and Fuel Prices. Transportation Research Record, 2016, 2549, 37-44.	1.0	50
42	A Simple Synchro “ Modal Decision Support Tool for the Piraeus Container Terminal. Transportation Research Procedia, 2016, 14, 2860-2869.	0.8	23
43	Dynamic vehicle routing problems: Three decades and counting. Networks, 2016, 67, 3-31.	1.6	310
44	Green Transportation Logistics. Profiles in Operations Research, 2016, , .	0.3	27
45	Transportation Emissions: Some Basics. Profiles in Operations Research, 2016, , 41-79.	0.3	9
46	Green Maritime Transportation: Market Based Measures. Profiles in Operations Research, 2016, , 267-297.	0.3	10
47	Green Maritime Transportation: Speed and Route Optimization. Profiles in Operations Research, 2016, , 299-349.	0.3	12
48	Guest Editorial: Special Issue on Maritime Transportation and Port Logistics. Transportation Science, 2015, 49, 868-869.	2.6	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.	3.2	108
50	Maritime routing and speed optimization with emission control areas. Transportation Research Part C: Emerging Technologies, 2015, 52, 57-73.	3.9	218
51	The economic speed of an oceangoing vessel in a dynamic setting. Transportation Research Part B: Methodological, 2015, 76, 48-67.	2.8	32
52	Maritime shipping and emissions: A three-layered, damage-based approach. Ocean Engineering, 2015, 110, 94-101.	1.9	69
53	Slow Steaming in Maritime Transportation: Fundamentals, Trade-offs, and Decision Models. Profiles in Operations Research, 2015, , 315-358.	0.3	11
54	Green Corridors and Their Possible Impact on the European Supply Chain. Profiles in Operations Research, 2015, , 521-550.	0.3	1

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55	Ship speed optimization: Concepts, models and combined speed-routing scenarios. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 44, 52-69.	3.9	206
56	The possible designation of the Mediterranean Sea as a SECA: A case study. <i>Transportation Research, Part D: Transport and Environment</i> , 2014, 28, 74-90.	3.2	61
57	Speed models for energy-efficient maritime transportation: A taxonomy and survey. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 26, 331-351.	3.9	374
58	Call for Papers "Focused Issue of <i>Transportation Science</i> on Maritime Transportation and Port Logistics. <i>Transportation Science</i> , 2013, 47, 128-128.	2.6	0
59	Green Corridors in European Surface Freight Logistics. <i>Profiles in Operations Research</i> , 2013, , 193-218.	0.3	1
60	Market-based measures for greenhouse gas emissions from ships: a review. <i>WMU Journal of Maritime Affairs</i> , 2012, 11, 211-232.	1.4	109
61	Concession of the Piraeus container terminal: turbulent times and the quest for competitiveness. <i>Maritime Policy and Management</i> , 2012, 39, 27-43.	1.9	26
62	Green Corridors in European Surface Freight Logistics and the SuperGreen Project. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 48, 1723-1732.	0.5	19
63	Formal Safety Assessment: an updated review. <i>Journal of Marine Science and Technology</i> , 2012, 17, 390-402.	1.3	54
64	Liner shipping cycle cost modelling, fleet deployment optimization and what-if analysis. <i>Maritime Economics and Logistics</i> , 2011, 13, 278-297.	2.0	22
65	Letter to the Editor. <i>Marine Pollution Bulletin</i> , 2011, 62, 878-879.	2.3	0
66	A multi-commodity, capacitated pickup and delivery problem: The single and two-vehicle cases. <i>European Journal of Operational Research</i> , 2011, 215, 572-580.	3.5	21
67	Reduction of emissions along the maritime intermodal container chain: operational models and policies. <i>Maritime Policy and Management</i> , 2011, 38, 451-469.	1.9	113
68	The link between economy and environment in the post-crisis era: lessons learned from slow steaming. <i>International Journal of Decision Sciences, Risk and Management</i> , 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. <i>Environmental Engineering and Management Journal</i> , 2011, 10, 1589-1596.	0.2	4
71	The effects of regulatory changes on green freight corridors. , 2011, , 807-814.		0
72	Container transportation as an interdependent security problem. <i>Journal of Transportation Security</i> , 2010, 3, 197-211.	0.9	13

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73	An empirical analysis of IOPCF oil spill cost data. <i>Marine Pollution Bulletin</i> , 2010, 60, 1455-1466.	2.3	94
74	Balancing the economic and environmental performance of maritime transportation. <i>Transportation Research, Part D: Transport and Environment</i> , 2010, 15, 458-462.	3.2	214
75	The LNG Market: A Game Theoretic Approach to Competition in LNG Shipping. <i>Maritime Economics and Logistics</i> , 2009, 11, 227-246.	2.0	13
76	CO2 emission statistics for the world commercial fleet. <i>WMU Journal of Maritime Affairs</i> , 2009, 8, 1-25.	1.4	155
77	A web-based open emissions calculator. <i>International Journal of Ocean Systems Management</i> , 2009, 1, 188.	0.1	1
78	International Symposium on Maritime Safety, Security and Environmental Protection. <i>WMU Journal of Maritime Affairs</i> , 2008, 7, 1-3.	1.4	1
79	The role of Mediterranean short sea shipping in the EU transport chain: The case of Greece. <i>WMU Journal of Maritime Affairs</i> , 2008, 7, 17-30.	1.4	1
80	Environmental risk evaluation criteria. <i>WMU Journal of Maritime Affairs</i> , 2008, 7, 409-427.	1.4	15
81	Comments on: Static pickup and delivery problems: a classification scheme and survey. <i>Top</i> , 2007, 15, 41-42.	1.1	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. <i>Maritime Economics and Logistics</i> , 2005, 7, 356-381.	2.0	12
84	Introduction to an innovative crew composition approach based on safety/operational and financial requirements. <i>WMU Journal of Maritime Affairs</i> , 2005, 4, 33-55.	1.4	2
85	EU Ports Policy: Where do we Go from Here?. <i>Maritime Economics and Logistics</i> , 2005, 7, 73-82.	2.0	28
86	Optimizing shipping company operations using business process modelling. <i>Maritime Policy and Management</i> , 2005, 32, 403-420.	1.9	22
87	A high-level synthesis of oil spill response equipment and countermeasures. <i>Journal of Hazardous Materials</i> , 2004, 107, 51-58.	6.5	151
88	Spill accident modeling: a critical survey of the event-decision network in the context of IMO's formal safety assessment. <i>Journal of Hazardous Materials</i> , 2004, 107, 59-66.	6.5	29
89	Maritime safety: To be or not to be proactive. <i>WMU Journal of Maritime Affairs</i> , 2002, 1, 3-16.	1.4	24
90	A synthesis algorithm for an oil spill problem of complementary locations on networks. <i>Applied Mathematical Modelling</i> , 2001, 25, 269-285.	2.2	0

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91	Foreword to the Focused Issue on Maritime Transportation. <i>Transportation Science</i> , 1999, 33, 1-2.	2.6	10
92	Dynamic vehicle routing: Status and prospects. <i>Annals of Operations Research</i> , 1995, 61, 143-164.	2.6	389
93	Cyclic Transfer Algorithm for Multivehicle Routing and Scheduling Problems. <i>Operations Research</i> , 1993, 41, 935-946.	1.2	237
94	Dynamic Shortest Paths in Acyclic Networks with Markovian Arc Costs. <i>Operations Research</i> , 1993, 41, 91-101.	1.2	89
95	Routing and Scheduling on a Shoreline with Release Times. <i>Management Science</i> , 1990, 36, 212-223.	2.4	76
96	Bibliographic Section. <i>Transportation Science</i> , 1987, 21, 126-129.	2.6	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.	2.8	384
98	Scheduling Large-Scale Advance-Request Dial-A-Ride Systems. <i>American Journal of Mathematical and Management Sciences</i> , 1986, 6, 327-367.	0.6	20
99	Optimal Response to Oil Spills: The Strategic Decision Case. <i>Operations Research</i> , 1986, 34, 203-217.	1.2	62
100	A Tactical Decision Algorithm for the Optimal Dispatching of Oil Spill Cleanup Equipment. <i>Management Science</i> , 1985, 31, 1475-1491.	2.4	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.	0.5	2
103	On the practical importance of asymptotic optimality in certain heuristic algorithms. <i>Networks</i> , 1984, 14, 587-596.	1.6	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.	3.5	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.	2.8	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.	2.6	230
108	Discrete-time detection modeling for unsaturated ocean acoustic propagation. <i>Journal of the Acoustical Society of America</i> , 1983, 74, 1630-1633.	0.5	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.	0.5	3
111	New models on the ocean acoustic detection process. Journal of the Acoustical Society of America, 1981, 69, 1724-1734.	0.5	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.	2.6	469
114	A Dynamic Programming Approach for Sequencing Groups of Identical Jobs. Operations Research, 1980, 28, 1347-1359.	1.2	175
115	Maritime Transportation. , 0, , 669-674.		0