

Hartmut Fricke

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

257
citations

933447

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h-index

1058476

14
g-index

27
all docs

27
docs citations

27
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of climate costs on airline network and trajectory optimization: a parametric study. CEAS Aeronautical Journal, 2017, 8, 371-384.	1.7	27
2	Fuel and Energy Benchmark Analysis of Continuous Descent Operations. Air Traffic Control Quarterly, 2015, 23, 83-108.	0.7	24
3	Airline ground operations: Schedule recovery optimization approach with constrained resources. Transportation Research Part C: Emerging Technologies, 2021, 128, 103129.	7.6	22
4	Integration of turnaround and aircraft recovery to mitigate delay propagation in airline networks. Computers and Operations Research, 2022, 138, 105602.	4.0	18
5	Air traffic simulation with 4D multi-criteria optimized trajectories. , 2017, , .		16
6	In-Flight Aircraft Trajectory Optimization within Corridors Defined by Ensemble Weather Forecasts. Aerospace, 2020, 7, 144.	2.2	15
7	Multicriteria-Optimized Trajectories Impacting Today's Air Traffic Density, Efficiency, and Environmental Compatibility. Journal of Air Transportation, 2019, 27, 8-15.	1.5	14
8	Airline ground operations: Optimal schedule recovery with uncertain arrival times. Journal of Air Transport Management, 2021, 92, 102021.	4.5	13
9	Individual Condensation Trails in Aircraft Trajectory Optimization. Sustainability, 2019, 11, 6082.	3.2	12
10	Aircraft trajectory optimization with dynamic input variables. CEAS Aeronautical Journal, 2020, 11, 321-331.	1.7	11
11	Trajectory optimization in daily operations. CEAS Aeronautical Journal, 2020, 11, 333-343.	1.7	11
12	The Impact of COVID-19 on Air Transportation Network in the United States, Europe, and China. Sustainability, 2021, 13, 9656.	3.2	10
13	Optimal schedule recovery for the aircraft gate assignment with constrained resources. Computers and Industrial Engineering, 2021, 162, 107682.	6.3	8
14	CDO Sensitivity Analysis for Robust Trajectory Planning under Uncertain Weather Prediction. , 2020, , .		7
15	Factors Impacting Chinese and European Vertical Flight Efficiency. Aerospace, 2022, 9, 76.	2.2	7
16	ADS-BI: Compressed Indexing of ADS-B Data. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3795-3806.	8.0	6
17	Interdependent Uncertainty Handling in Trajectory Prediction. Aerospace, 2019, 6, 15.	2.2	6
18	Probabilistic Prediction of Separation Buffer to Compensate for the Closing Effect on Final Approach. Aerospace, 2021, 8, 29.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Contributions of advanced taxi time calculation to airport operations efficiency. Journal of Aerospace Operations, 2011, 1, 95-106.	0.1	5
20	Impact of Chinese and European Airspace Constraints on Trajectory Optimization. Aerospace, 2021, 8, 338.	2.2	5
21	Prediction of the Propagation of Trajectory Uncertainty for Climbing Aircraft. , 2020, , .		4
22	Fundamental Framework to Plan 4D Robust Descent Trajectories for Uncertainties in Weather Prediction. Aerospace, 2022, 9, 109.	2.2	4
23	Long Range Air Traffic Flow Management with Flight-Specific Flight Performance. Future Transportation, 2022, 2, 310-327.	2.3	3
24	Stochastic Delay Cost Functions to Estimate Delay Propagation Under Uncertainty. IEEE Access, 2022, 10, 21424-21442.	4.2	2
25	Aircraft-Type-Specific Impact of Speed Brakes on Lift and Drag. Aerospace, 2022, 9, 263.	2.2	1
26	Editorial for the CEAS Aeronautical Journal special issue on research in air transportation. CEAS Aeronautical Journal, 2020, 11, 307-308.	1.7	0
27	Importance of Weather Conditions in a Flight Corridor. Stats, 2022, 5, 312-338.	0.9	0