

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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g-index

27
all docs

27
docs citations

27
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of turnaround and aircraft recovery to mitigate delay propagation in airline networks. Computers and Operations Research, 2022, 138, 105602.	4.0	18
2	Factors Impacting Chinese and European Vertical Flight Efficiency. Aerospace, 2022, 9, 76.	2.2	7
3	Stochastic Delay Cost Functions to Estimate Delay Propagation Under Uncertainty. IEEE Access, 2022, 10, 21424-21442.	4.2	2
4	Fundamental Framework to Plan 4D Robust Descent Trajectories for Uncertainties in Weather Prediction. Aerospace, 2022, 9, 109.	2.2	4
5	Importance of Weather Conditions in a Flight Corridor. Stats, 2022, 5, 312-338.	0.9	0
6	Long Range Air Traffic Flow Management with Flight-Specific Flight Performance. Future Transportation, 2022, 2, 310-327.	2.3	3
7	Aircraft-Type-Specific Impact of Speed Brakes on Lift and Drag. Aerospace, 2022, 9, 263.	2.2	1
8	Probabilistic Prediction of Separation Buffer to Compensate for the Closing Effect on Final Approach. Aerospace, 2021, 8, 29.	2.2	6
9	Airline ground operations: Optimal schedule recovery with uncertain arrival times. Journal of Air Transport Management, 2021, 92, 102021.	4.5	13
10	Airline ground operations: Schedule recovery optimization approach with constrained resources. Transportation Research Part C: Emerging Technologies, 2021, 128, 103129.	7.6	22
11	The Impact of COVID-19 on Air Transportation Network in the United States, Europe, and China. Sustainability, 2021, 13, 9656.	3.2	10
12	Optimal schedule recovery for the aircraft gate assignment with constrained resources. Computers and Industrial Engineering, 2021, 162, 107682.	6.3	8
13	Impact of Chinese and European Airspace Constraints on Trajectory Optimization. Aerospace, 2021, 8, 338.	2.2	5
14	Aircraft trajectory optimization with dynamic input variables. CEAS Aeronautical Journal, 2020, 11, 321-331.	1.7	11
15	Trajectory optimization in daily operations. CEAS Aeronautical Journal, 2020, 11, 333-343.	1.7	11
16	In-Flight Aircraft Trajectory Optimization within Corridors Defined by Ensemble Weather Forecasts. Aerospace, 2020, 7, 144.	2.2	15
17	Editorial for the CEAS Aeronautical Journal special issue on research in air transportation. CEAS Aeronautical Journal, 2020, 11, 307-308.	1.7	0
18	Prediction of the Propagation of Trajectory Uncertainty for Climbing Aircraft. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	CDO Sensitivity Analysis for Robust Trajectory Planning under Uncertain Weather Prediction. , 2020, , .		7
20	Individual Condensation Trails in Aircraft Trajectory Optimization. Sustainability, 2019, 11, 6082.	3.2	12
21	Multicriteria-Optimized Trajectories Impacting Today's Air Traffic Density, Efficiency, and Environmental Compatibility. Journal of Air Transportation, 2019, 27, 8-15.	1.5	14
22	Interdependent Uncertainty Handling in Trajectory Prediction. Aerospace, 2019, 6, 15.	2.2	6
23	ADS-BI: Compressed Indexing of ADS-B Data. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3795-3806.	8.0	6
24	Impact of climate costs on airline network and trajectory optimization: a parametric study. CEAS Aeronautical Journal, 2017, 8, 371-384.	1.7	27
25	Air traffic simulation with 4D multi-criteria optimized trajectories. , 2017, , .		16
26	Fuel and Energy Benchmark Analysis of Continuous Descent Operations. Air Traffic Control Quarterly, 2015, 23, 83-108.	0.7	24
27	Contributions of advanced taxi time calculation to airport operations efficiency. Journal of Aerospace Operations, 2011, 1, 95-106.	0.1	5