Manuel Sanjurjo-Rivo

List of Publications by Year
in descending order

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32	387	933447	794594
papers	citations	10 h-index	19 g-index

33	33	33	290
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automatic maneuver detection and tracking of space objects in optical survey scenarios based on stochastic hybrid systems formulation. Advances in Space Research, 2022, 69, 3460-3477.	2.6	8
2	A Survey on Low-Thrust Trajectory Optimization Approaches. Aerospace, 2021, 8, 88.	2.2	38
3	Informed scenario-based RRTâˆ— for aircraft trajectory planning under ensemble forecasting of thunderstorms. Transportation Research Part C: Emerging Technologies, 2021, 129, 103232.	7.6	7
4	Initial orbit determination methods for track-to-track association. Advances in Space Research, 2021, 68, 2677-2694.	2.6	9
5	Influence of atmospheric uncertainty, convective indicators, and cost-index on the leveled aircraft trajectory optimization problem. Transportation Research Part C: Emerging Technologies, 2020, 120, 102784.	7.6	13
6	Hybrid multi-objective orbit-raising optimization with operational constraints. Acta Astronautica, 2020, 175, 447-461.	3.2	8
7	A lagrangian flight simulator for airborne wind energy systems. Applied Mathematical Modelling, 2019, 69, 665-684.	4.2	15
8	Robust Optimal Trajectory Planning Under Uncertain Winds and Convective Risk. Lecture Notes in Electrical Engineering, 2019, , 82-103.	0.4	3
9	Robust aircraft trajectory planning under uncertain convective environments with optimal control and rapidly developing thunderstorms. Aerospace Science and Technology, 2019, 89, 445-459.	4.8	32
10	Multi-Objective Low-Thrust Interplanetary Trajectory Optimization Based on Generalized Logarithmic Spirals. Journal of Guidance, Control, and Dynamics, 2019, 42, 476-490.	2.8	17
11	Automated optimal flight planning based on the aircraft intent description language. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 928-948.	1.3	2
12	Robust Aircraft Trajectory Planning Under Wind Uncertainty Using Optimal Control. Journal of Guidance, Control, and Dynamics, 2018, 41, 673-688.	2.8	61
13	Modeling and Simulation of Flexible Tethered Satellite System. , 2018, , .		0
14	Modeling and Stability Analysis of Tethered Kites at High Altitudes. Journal of Guidance, Control, and Dynamics, 2017, 40, 1892-1901.	2.8	12
15	Additive manufacturing for a Moon village. Procedia Manufacturing, 2017, 13, 794-801.	1.9	53
16	Optimal Aircraft Trajectory Planning in the Presence of Stochastic Convective Weather Cells. , 2017, , .		1
17	DROMO propagator revisited. Celestial Mechanics and Dynamical Astronomy, 2016, 124, 1-31.	1.4	16
18	Optimization of Path-Constrained Systems using Pseudospectral Methods applied to Aircraft Trajectory Planningâˆ—â€—This work has been partially supported by project Stochastic Optimal Control Towards Enhanced Predicatibility of Four-Dimensional Trajectories Using Weather Ensemble Prediction Forecasts Founding Entity: Eurocontrol through HALA! Research Network (SESAR-WPe, 7th) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	3

#	Article	IF	Citations
19	Wind-optimal cruise trajectories using pseudospectral methods and ensemble probabilistic forecasts. , 2015, , .		1
20	Singularities in Dromo formulation. Analysis of deep flybys. Advances in Space Research, 2015, 56, 569-581.	2.6	7
21	DROMO formulation for planar motions: solution to the Tsien problem. Celestial Mechanics and Dynamical Astronomy, 2015, 122, 143-168.	1.4	7
22	Efficient Computation of Current Collection in Bare Electrodynamic Tethers in and beyond OML Regime. Journal of Aerospace Engineering, 2015, 28, 04014144.	1.4	6
23	Jovian Capture of a Spacecraft with a Self-Balanced Electrodynamic Bare Tether. Journal of Spacecraft and Rockets, 2014, 51, 1401-1412.	1.9	2
24	Trajectory Analysis Between Quasi-Periodic Orbits and the Lagrangian Points Around Phobos. , 2014, , .		2
25	Periodic Orbits of a Hill-Tether Problem Originated from Collinear Points. Journal of Guidance, Control, and Dynamics, 2012, 35, 222-233.	2.8	3
26	Asymptotic Solution for the Low-Thrust Restricted Two-Body Problem. , 2012, , .		0
27	Dynamic stabilization of L2 periodic orbits using attitude-orbit coupling effects. Journal of Aerospace Engineering, Sciences and Applications, 2012, 4, 73-81.	0.3	4
28	Energy Analysis of Bare Electrodynamic Tethers. Journal of Propulsion and Power, 2011, 27, 246-256.	2.2	8
29	Three-Body Dynamics and Self-Powering of an Electrodynamic Tether in a Plasmasphere. Journal of Propulsion and Power, 2010, 26, 385-393.	2.2	8
30	Asymptotic Solution for the Current Profile of Passive Bare Electrodynamic Tethers. Journal of Propulsion and Power, 2010, 26, 1291-1304.	2.2	12
31	Generator Regime of Self-Balanced Electrodynamic Bare Tethers. Journal of Spacecraft and Rockets, 2006, 43, 1359-1369.	1.9	24
32	Track-to-track association methodology for operational surveillance scenarios with radar observations. CEAS Space Journal, 0, , .	2.3	2