Richard Linares

List of Publications by Year
in descending order

18	393	1040056 9	1058476 14
papers	citations	h-index	g-index

18	18	18	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep reinforcement learning for six degree-of-freedom planetary landing. Advances in Space Research, 2020, 65, 1723-1741.	2.6	115
2	Space Object Shape Characterization and Tracking Using Light Curve and Angles Data. Journal of Guidance, Control, and Dynamics, 2014, 37, 13-25.	2.8	60
3	Adaptive guidance and integrated navigation with reinforcement meta-learning. Acta Astronautica, 2020, 169, 180-190.	3.2	56
4	Autonomous closed-loop guidance using reinforcement learning in a low-thrust, multi-body dynamical environment. Acta Astronautica, 2021, 186, 1-23.	3.2	31
5	Refining Space Object Radiation Pressure Modeling with Bidirectional Reflectance Distribution Functions. Journal of Guidance, Control, and Dynamics, 2014, 37, 185-196.	2.8	27
6	Reinforcement Metalearning for Interception of Maneuvering Exoatmospheric Targets with Parasitic Attitude Loop. Journal of Spacecraft and Rockets, 2021, 58, 386-399.	1.9	15
7	Attitude Observability from Light Curve Measurements. , 2013, , .		14
8	Autonomous Six-Degree-of-Freedom Spacecraft Docking with Rotating Targets via Reinforcement Learning. Journal of Aerospace Information Systems, 2021, 18, 417-428.	1.4	14
9	Approximate Analytical Solution to the Zonal Harmonics Problem Using Koopman Operator Theory. Journal of Guidance, Control, and Dynamics, 2021, 44, 1909-1923.	2.8	13
10	Space Objects Classification via Light-Curve Measurements Using Deep Convolutional Neural Networks. Journal of the Astronautical Sciences, 2020, 67, 1063-1091.	1.5	10
11	Definition of Low Earth Orbit slotting architectures using 2D lattice flower constellations. Advances in Space Research, 2021, 67, 3696-3711.	2.6	9
12	A Guidance Law for Terminal Phase Exo-Atmospheric Interception Against a Maneuvering Target using Angle-Only Measurements Optimized using Reinforcement Meta-Learning. , 2020, , .		7
13	Scalable Gas Sensing, Mapping, and Path Planning via Decentralized Hilbert Maps. Sensors, 2019, 19, 1524.	3.8	6
14	A set of orbital elements to fully represent the zonal harmonics around an oblate celestial body. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4247-4261.	4.4	5
15	Uniform Satellite Constellation Reconfiguration. Journal of Guidance, Control, and Dynamics, 2022, 45, 1241-1254.	2.8	5
16	Efficient search of optimal Flower Constellations. Acta Astronautica, 2021, 179, 290-295.	3.2	4
17	Low Earth Orbit Slotting for Space Traffic Management Using Flower Constellation Theory. , 2020, , .		2
18	Robust estimator for uncertain stochastic systems. , 2010, , .		0