Francisco Javier Tipan Salazar

List of Publications by Year
in descending order

21 papers	133 citations	1307543 7 h-index	1372553 10 g-index
21 all docs	21 docs citations	21 times ranked	94 citing authors

#	Article	IF	Citations
1	Suppression of Chaotic Motion of Tethered Satellite Systems Using Tether Length Control. Journal of Guidance, Control, and Dynamics, 2022, 45, 580-586.	2.8	9
2	Sun-synchronous orbital dust ring to reduce climate change at the polar caps. European Physical Journal Plus, 2022, 137, .	2.6	1
3	Deployment and Retrieval Missions from Quasi-Periodic and Chaotic States under a Non-Linear Control Law. Symmetry, 2022, 14, 1381.	2.2	5
4	Observational properties of low-energy orbits around icy moons. Acta Astronautica, 2021, 178, 743-756.	3.2	3
5	Science orbits in the Saturn–Enceladus circular restricted three-body problem with oblate primaries. Acta Astronautica, 2021, 180, 398-416.	3.2	6
6	Design and performance of low-energy orbits for the exploration of Enceladus. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105393.	3.3	7
7	Sun-synchronous solar reflector orbits designed to warm Mars. Astrophysics and Space Science, 2019, 364, 1.	1.4	5
8	Collecting solar power by formation flying systems around a geostationary point. Computational and Applied Mathematics, 2018, 37, 84-95.	1.3	2
9	Periodic orbits for space-based reflectors in the circular restricted three-body problem. Celestial Mechanics and Dynamical Astronomy, 2017, 128, 95-113.	1.4	8
10	Solar Power Satellite system in formation on a common geostationary orbit. Journal of Physics: Conference Series, 2017, 911, 012006.	0.4	2
11	Intervening in Earth's climate system through space-based solar reflectors. Advances in Space Research, 2016, 58, 17-29.	2.6	13
12	Chaotic Dynamics in a Low-Energy Transfer Strategy to the Equilateral Equilibrium Points in the Earth–Moon System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550077.	1.7	8
13	Zero drift regions and control strategies to keep satellite in formation around triangular libration point in the restricted Sun–Earth–Moon scenario. Advances in Space Research, 2015, 56, 1502-1518.	2.6	8
14	Natural formations at the Earth–Moon triangular point in perturbed restricted problems. Advances in Space Research, 2015, 56, 144-162.	2.6	8
15	Pareto Frontier for the time–energy cost vector to an Earth–Moon transfer orbit using the patched-conic approximation. Computational and Applied Mathematics, 2015, 34, 461-475.	1.3	6
16	Zero, minimum and maximum relative radial acceleration for planar formation flight dynamics near triangular libration points in the Earth–Moon system. Advances in Space Research, 2014, 54, 1838-1857.	2.6	6
17	Star tracker orientation optimization using Non-dominated Sorting Genetic Algorithm (NSGA). , 2014, , .		1
18	Alternative transfer to the Earth–Moon Lagrangian points L4 and L5 using lunar gravity assist. Advances in Space Research, 2014, 53, 543-557.	2.6	11

#	Article	IF	Citations
19	Three-body problem, its Lagrangian points and how to exploit them using an alternative transfer to L4 and L5. Celestial Mechanics and Dynamical Astronomy, 2012, 114, 201-213.	1.4	17
20	Mott-Wannier excitons in the tetragonal BaTiO3lattice. International Journal of Quantum Chemistry, 2003, 91, 586-590.	2.0	6
21	<title>Quantum-chemical study of excitons in tetragobnal BaTiO<formula><inf><roman>3</roman></inf></formula> and SrTiO<formula><inf><roman>3</roman></inf></formula> crystals</title>. , 2003, 5122, 295.		1