

# Justin A Atchison

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3411294/publications.pdf>

Version: 2024-02-01

22  
papers

713  
citations

840776

11  
h-index

996975

15  
g-index

22  
all docs

22  
docs citations

22  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	AIDA DART asteroid deflection test: Planetary defense and science objectives. <i>Planetary and Space Science</i> , 2018, 157, 104-115.	1.7	162
2	Asteroid Impact & Deflection Assessment mission: Kinetic impactor. <i>Planetary and Space Science</i> , 2016, 121, 27-35.	1.7	110
3	The Double Asteroid Redirection Test (DART): Planetary Defense Investigations and Requirements. <i>Planetary Science Journal</i> , 2021, 2, 173.	3.6	110
4	Asteroid Impact and Deflection Assessment mission. <i>Acta Astronautica</i> , 2015, 115, 262-269.	3.2	87
5	A passive, sun-pointing, millimeter-scale solar sail. <i>Acta Astronautica</i> , 2010, 67, 108-121.	3.2	45
6	Length Scaling in Spacecraft Dynamics. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 231-246.	2.8	33
7	Modeling Momentum Transfer from Kinetic Impacts: Implications for Redirecting Asteroids. <i>Procedia Engineering</i> , 2015, 103, 577-584.	1.2	31
8	Lorentz-Augmented Jovian Orbit Insertion. <i>Journal of Guidance, Control, and Dynamics</i> , 2009, 32, 418-423.	2.8	30
9	Lorentz Accelerations in the Earth Flyby Anomaly. <i>Journal of Guidance, Control, and Dynamics</i> , 2010, 33, 1115-1122.	2.8	23
10	Q-Law Aided Direct Trajectory Optimization of Many-Revolution Low-Thrust Transfers. <i>Journal of Spacecraft and Rockets</i> , 2020, 57, 672-682.	1.9	20
11	A Millimeter-Scale Lorentz-Propelled Spacecraft. , 2007, , .		17
12	Trajectory options for the DART mission. <i>Acta Astronautica</i> , 2016, 123, 330-339.	3.2	12
13	Double Asteroid Redirection Test: The Earth Strikes Back. , 2019, , .		11
14	Rapid Design and Exploration of High-Fidelity Low-Thrust Transfers to the Moon. , 2020, , .		5
15	Rapid Design of High-Fidelity Low-Thrust Transfers to the Moon. <i>Journal of Spacecraft and Rockets</i> , 2022, 59, 1522-1535.	1.9	5
16	Double Asteroid Redirection Test Mission: Heliocentric Phase Trajectory Analysis. <i>Journal of Spacecraft and Rockets</i> , 2019, 56, 546-558.	1.9	4
17	A Passive Microscale Solar Sail. , 2008, , .		2
18	Operational Methodology for Large-Scale Deployment of Nanosatellites into Low Earth Orbit. <i>Journal of Spacecraft and Rockets</i> , 2016, 53, 799-810.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Mission Design for the 2020 Mercury Lander Decadal Survey. Journal of the Astronautical Sciences, 2021, 68, 995-1013.	1.5	2
20	Small body in-situ Multi-probe Mass Estimation Experiment (SIMMEE). , 2017, , .		1
21	Pragmatic Trajectory Options Applicable to an Interstellar Probe Mission. , 2021, , .		1
22	Lorentz Accelerations in the Earth Fly-By Anomaly. , 2009, , .		0