

Daniel J Scheeres

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

452
papers

13,476
citations

59
h-index

98
g-index

504
ext. papers

16,039
ext. citations

4.5
avg, IF

6.94
L-index

#	Paper	IF	Citations
452	A numerical simulation approach to the crater-scaling relationships in low-speed impacts under microgravity. <i>Icarus</i> , 2022 , 377, 114882	3.8	1
45 ¹	Characterizing doubly-averaged dynamical models in medium earth orbit. <i>Acta Astronautica</i> , 2022 , 194, 126-126	2.9	0
45 ⁰	The Formation of Terraces on Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2022 , 127,	4.1	4
449	Electrostatic Lofting Conditions for Supercharged Dust. <i>Astrophysical Journal</i> , 2022 , 931, 122	4.7	
448	Analysis of Cohesion in Fast-spinning Small Bodies. <i>Planetary Science Journal</i> , 2021 , 2, 229	2.9	1
447	Observation and Maneuver Detection for Cislunar Vehicles. <i>Journal of the Astronautical Sciences</i> , 2021 , 68, 826	1.1	1
446	Averaged Solar Torque Rotational Dynamics for Defunct Satellites. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 749-766	2.1	2
445	Autonomous Exploration of a Small Near-Earth Asteroid. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 701-718	2.1	4
444	Inverting gas-surface interaction parameters from Fourier drag-coefficient estimates for a given atmospheric model. <i>Advances in Space Research</i> , 2021 , 68, 1902-1902	2.4	0
443	Radar and Optical Study of Defunct Geosynchronous Satellites. <i>Journal of the Astronautical Sciences</i> , 2021 , 68, 728-749	1.1	0
442	A satellite orbit drift in binary near-Earth asteroids (66391) 1999 KW4 and (88710) 2001 SL9 □ Indication of the BYORP effect. <i>Icarus</i> , 2021 , 360, 114321	3.8	8
44 ¹	Limiting Behavior of Asteroid Obliquity and Spin Using a Semi-analytic Thermal Model of the YORP Effect. <i>Astronomical Journal</i> , 2021 , 162, 8	4.9	2
44 ⁰	The Feasibility of Targeting Chaotic Regions in the GNSS Regime. <i>Journal of the Astronautical Sciences</i> , 2021 , 68, 553-584	1.1	0
439	Reachability of a Passive Solar Sail in Earth Orbit. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 360-369	2.1	1
438	The shape and surface environment of 2016 HO3. <i>Icarus</i> , 2021 , 357, 114249	3.8	6
437	The surface sensitivity of rubble-pile asteroids during a distant planetary encounter: Influence of asteroid shape elongation. <i>Icarus</i> , 2021 , 358, 114205	3.8	3
436	Seismic waves in the asteroid environment. <i>EPJ Web of Conferences</i> , 2021 , 249, 13001	0.3	1

435	Expansion Maps: Designing Relative Trajectories on Quasi-Periodic Orbits. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 457-468	2.1	1
434	Multi-Objective Optimization of Covariance and Energy for Asteroid Transfers. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 1253-1265	2.1	4
433	Modified granular impact force laws for the OSIRIS-REx touchdown on the surface of asteroid (101955) Bennu. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 5087-5105	4.3	4
432	Rotational states and shapes of Ryugu and Bennu: Implications for interior structure and strength. <i>Planetary and Space Science</i> , 2021 , 204, 105268	2	6
431	The effect of planetary flybys on singly synchronous binary asteroids. <i>Icarus</i> , 2021 , 367, 114554	3.8	4
430	Laboratory experiments with self-cohesive powders: Application to the morphology of regolith on small asteroids. <i>Planetary and Space Science</i> , 2021 , 207, 105321	2	1
429	Optimal Spacecraft Guidance With Asynchronous Measurements and Noisy Impulsive Controls 2021 , 5, 1813-1818		2
428	The excited spin state of Dimorphos resulting from the DART impact. <i>Icarus</i> , 2021 , 370, 114624	3.8	5
427	Internal rubble properties of asteroid (101955) Bennu. <i>Icarus</i> , 2021 , 370, 114665	3.8	4
426	Libration-induced Orbit Period Variations Following the DART Impact. <i>Planetary Science Journal</i> , 2021 , 2, 242	2.9	0
425	Orbit insertion strategy of Hayabusa2Ꞥ rover with large release uncertainty around the asteroid Ryugu. <i>Astrodynamic</i> s, 2020 , 4, 309-329	3.8	5
424	Radar observations and a physical model of binary near-Earth asteroid 65803 Didymos, target of the DART mission. <i>Icarus</i> , 2020 , 348, 113777	3.8	24
423	Dynamical Evolution of Simulated Particles Ejected From Asteroid Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2019JE006229	4.1	15
422	Interpreting the Cratering Histories of Bennu, Ryugu, and Other Spacecraft-explored Asteroids. <i>Astronomical Journal</i> , 2020 , 160, 14	4.9	21
421	Particle Ejection Contributions to the Rotational Acceleration and Orbit Evolution of Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2019JE006284	4.1	9
420	Optimal Control of Sampled Linear Systems With Control-Linear Noise 2020 , 4, 650-655		2
419	Generalized Spacecraft Formation Design through Exploitation of Quasi-Periodic Tori Families 2020 , ,		1
418	Doubly synchronous binary asteroid mass parameter observability. <i>Icarus</i> , 2020 , 341, 113439	3.8	9

4 ¹⁷	Post-main-sequence debris from rotation-induced YORP break-up of small bodies III. Multiple fissions, internal strengths, and binary production. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 2437-2445	4.3	14
4 ¹⁶	King-Hele orbit theory for periodic orbit and attitude variations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 501, 1168-1187	4.3	
4 ¹⁵	Evolution of an Asteroid Family under YORP, Yarkovsky, and Collisions. <i>Astronomical Journal</i> , 2020 , 160, 128	4.9	4
4 ¹⁴	High-fidelity Modeling of Rotationally Fissioned Asteroids. <i>Planetary Science Journal</i> , 2020 , 1, 25	2.9	6
4 ¹³	A Drag Coefficient Modeling Approach Using Spatial and Temporal Fourier Expansions for Orbit Determination. <i>Journal of the Astronautical Sciences</i> , 2020 , 67, 1139-1168	1.1	3
4 ¹²	GOES spin state diversity and the implications for GEO debris mitigation. <i>Acta Astronautica</i> , 2020 , 167, 212-221	2.9	5
4 ¹¹	Cohesive regolith on fast rotating asteroids. <i>Icarus</i> , 2020 , 338, 113443	3.8	14
4 ¹⁰	Disassociation energies for the finite-density N-body problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2020 , 132, 1	1.4	0
4 ⁰⁹	Spin state evolution of asteroid (367943) Duende during its 2013 earth flyby. <i>Icarus</i> , 2020 , 340, 113518	3.8	2
4 ⁰⁸	Observational investigation of the 2013 near-Earth encounter by asteroid (367943) Duende. <i>Icarus</i> , 2020 , 340, 113519	3.8	1
4 ⁰⁷	Simulation of Nonspherical Asteroid Landers: Contact Modeling and Shape Effects on Bouncing. <i>Journal of Spacecraft and Rockets</i> , 2020 , 57, 109-130	1.5	12
4 ⁰⁶	Heterogeneous mass distribution of the rubble-pile asteroid (101955) Bennu. <i>Science Advances</i> , 2020 , 6,	14.3	21
4 ⁰⁵	Trajectory Estimation for Particles Observed in the Vicinity of (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2019JE006363	4.1	26
4 ⁰⁴	Spin-driven evolution of asteroids' top-shapes at fast and slow spins seen from (101955) Bennu and (162173) Ryugu. <i>Icarus</i> , 2020 , 352, 113946	3.8	11
4 ⁰³	Drag Coefficient Model to Track Variations due to Attitude and Orbital Motion. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1915-1926	2.1	2
4 ⁰²	Higher-Order Corrections for Frozen Terminator Orbit Design. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1642-1655	2.1	3
4 ⁰¹	Gravitational Force Model Aliasing with Nongravitational Force Coefficients in Dynamic Prediction. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1984-1997	2.1	1
4 ⁰⁰	Global Patterns of Recent Mass Movement on Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2020JE006475	4.1	35

399	Minimum Bounds on Multispacecraft \mathbb{N} Optimal Cooperative Rendezvous. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 2333-2348	2.1	1
398	Sensitivity of Optimal Control Problems Arising from their Hamiltonian Structure. <i>Journal of the Astronautical Sciences</i> , 2020 , 67, 539-551	1.1	
397	Detection of Rotational Acceleration of Bennu Using HST Light Curve Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 1956-1962	4.9	21
396	Small Solar System Bodies as granular media. <i>Astronomy and Astrophysics Review</i> , 2019 , 27, 1	28.8	18
395	Asteroid pairs: A complex picture. <i>Icarus</i> , 2019 , 333, 429-463	3.8	22
394	Study of the roto-orbital motion using intermediaries: numerical experiments. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2019 , 131, 1	1.4	1
393	Identifying heteroclinic connections using artificial neural networks. <i>Acta Astronautica</i> , 2019 , 161, 192-199		6
392	Leveraging Artificial Neural Networks to Systematically Explore Solar Gravity Driven Transfers in the Martian System. <i>Journal of the Astronautical Sciences</i> , 2019 , 66, 282-321	1.1	
391	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019 , 10, 1291	17.4	65
390	The dynamic geophysical environment of (101955) Bennu based on OSIRIS-REx measurements. <i>Nature Astronomy</i> , 2019 , 3, 352-361	12.1	90
389	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019 , 12, 242-246	18.3	114
388	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019 , 12, 247-252	18.3	108
387	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019 , 568, 55-60	50.4	219
386	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu-A spinning top-shaped rubble pile. <i>Science</i> , 2019 , 364, 268-272	33.3	254
385	Hybrid Differential Dynamic Programming in the Circular Restricted Three-Body Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 963-975	2.1	3
384	Systematic Structure and Sinks in the YORP Effect. <i>Astronomical Journal</i> , 2019 , 157, 105	4.9	10
383	The Western Bulge of 162173 Ryugu Formed as a Result of a Rotationally Driven Deformation Process. <i>Astrophysical Journal Letters</i> , 2019 , 874, L10	7.9	27
382	Rotationally induced failure of irregularly shaped asteroids. <i>Icarus</i> , 2019 , 317, 354-364	3.8	25

381	Representing dynamics in the eccentric Hill system using a neural network architecture. <i>Astrodynamics</i> , 2019 , 3, 301-324	3.8	1
380	Celestial Mechanics of Rubble Pile Bodies. <i>Springer INdAM Series</i> , 2019 , 225-256	0.4	
379	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. <i>Science</i> , 2019 , 366,	33.3	77
378	Assessing possible mutual orbit period change by shape deformation of Didymos after a kinetic impact in the NASA-led Double Asteroid Redirection Test. <i>Advances in Space Research</i> , 2019 , 63, 2515-2534	2.4	13
377	Dynamics in the Phobos environment. <i>Advances in Space Research</i> , 2019 , 63, 476-495	2.4	20
376	Orbital Stability Regions for Hypothetical Natural Satellites of (101955) Bennu. <i>Journal of Spacecraft and Rockets</i> , 2019 , 56, 789-800	1.5	6
375	A New Equilibrium State for Singly Synchronous Binary Asteroids. <i>Astrophysical Journal Letters</i> , 2018 , 857, L5	7.9	3
374	A revised shape model of asteroid (216) Kleopatra. <i>Icarus</i> , 2018 , 311, 197-209	3.8	19
373	Rotational evolution of self-gravitating aggregates with cores of variable strength. <i>Planetary and Space Science</i> , 2018 , 157, 39-47	2	25
372	Drag-perturbed bounded relative trajectories in low Earth orbit: A semi-analytical approach. <i>Acta Astronautica</i> , 2018 , 153, 229-239	2.9	
371	The OSIRIS-REx Radio Science Experiment at Bennu. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	26
370	Spacecraft Rendezvous and Pursuit/Evasion Analysis Using Reachable Sets 2018 ,		3
369	Fully Numerical Methods for Continuing Families of Quasi-Periodic Invariant Tori in Astrodynamics. <i>Journal of the Astronautical Sciences</i> , 2018 , 65, 157-182	1.1	15
368	A Radial Axial-symmetric Intermediary Model for the Roto-orbital Motion. <i>Journal of the Astronautical Sciences</i> , 2018 , 65, 1-28	1.1	4
367	Optimal Deployment of Solar Radiation Pressure Enhancement Devices for Space Debris Mitigation 2018 ,		2
366	Nonlinear Attractive and Reachable Sets Under Optimal Control in Three-Body Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 1766-1775	2.1	2
365	Solar-Sail Orbital Motion About Asteroids and Binary Asteroid Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 1947-1962	2.1	15
364	An optimization approach for observation association with systemic uncertainty applied to electro-optical systems. <i>Advances in Space Research</i> , 2018 , 61, 2709-2724	2.4	1

363	Stability of the Euler resting N-body relative equilibria. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018 , 130, 1	1.4	2
362	Hybrid Method for Uncertainty Propagation of Orbital Motion. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 240-254	2.1	7
361	Disaggregation of small, cohesive rubble pile asteroids due to YORP. <i>Icarus</i> , 2018 , 304, 183-191	3.8	17
360	Equatorial cavities on asteroids, an evidence of fission events. <i>Icarus</i> , 2018 , 304, 192-208	3.8	19
359	The YORP effect on the GOES 8 and GOES 10 satellites: A case study. <i>Advances in Space Research</i> , 2018 , 61, 122-144	2.4	8
358	Asteroid clusters similar to asteroid pairs. <i>Icarus</i> , 2018 , 304, 110-126	3.8	30
357	Geotechnical Properties of Asteroids Affecting Surface Operations, Mining, and In Situ Resource Utilization Activities 2018 , 439-476		3
356	Dynamics and Stability of Sun-Driven Transfers from Low Earth to Geosynchronous Orbit. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 2002-2010	2.1	3
355	Implications of cohesive strength in asteroid interiors and surfaces and its measurement. <i>Progress in Earth and Planetary Science</i> , 2018 , 5,	3.9	12
354	Prearrival Deployment Analysis of Rovers on Hayabusa2 Asteroid Explorer. <i>Journal of Spacecraft and Rockets</i> , 2018 , 55, 797-817	1.5	21
353	Scaling behavior of cohesive self-gravitating aggregates. <i>Physical Review E</i> , 2018 , 98,	2.4	8
352	YORP equilibria: ways out of YORP cycles. <i>Proceedings of the International Astronomical Union</i> , 2018 , 14, 15-15	0.1	
351	Rolling resistance of a spherical pod on a granular bed. <i>Granular Matter</i> , 2017 , 19, 1	2.6	9
350	Precise Solar Radiation Pressure Models for Small-Body Orbiters: Applications to OSIRIS-REx Spacecraft. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 1638-1650	2.1	4
349	Lift-Off Velocity on Solar-System Small Bodies. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 1990-2005	2.1	6
348	Constraints on bounded motion and mutual escape for the full 3-body problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017 , 128, 131-148	1.4	2
347	Numerical investigation of the dynamical environment of 65803 Didymos. <i>Advances in Space Research</i> , 2017 , 59, 1304-1320	2.4	24
346	Reactive and Robust Paradigms for Autonomous Mission Design at Small Bodies. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 333-343	2.1	1

345	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. <i>Space Science Reviews</i> , 2017 , 212, 925-984	7.5	268
344	Small solar system bodies as granular systems. <i>EPJ Web of Conferences</i> , 2017 , 140, 14011	0.3	1
343	Parametric Study of Ballistic Lander Deployment to Small Bodies. <i>Journal of Spacecraft and Rockets</i> , 2017 , 54, 1330-1355	1.5	19
342	Looking into the evolution of granular asteroids in the Solar System. <i>EPJ Web of Conferences</i> , 2017 , 140, 14004	0.3	1
341	Shape Dependence of the Kinetic Deflection of Asteroids. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 2417-2431	2.1	10
340	Constraints on the perturbed mutual motion in Didymos due to impact-induced deformation of its primary after the DART impact. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 1641-1648	4.3	10
339	Design of Bounded Relative Trajectories in the Earth Zonal Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 3075-3087	2.1	14
338	Goldstone radar evidence for short-axis mode non-principal-axis rotation of near-Earth asteroid (214869) 2007 PA8. <i>Icarus</i> , 2017 , 286, 314-329	3.8	6
337	Sensitivity Analysis of the OSIRIS-REx Terminator Orbits to Maneuver Errors. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 81-95	2.1	15
336	Mutual potential between two rigid bodies with arbitrary shapes and mass distributions. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017 , 127, 369-395	1.4	31
335	Bounded relative motion under zonal harmonics perturbations. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017 , 127, 527-548	1.4	15
334	The effect of asteroid topography on surface ablation deflection. <i>Advances in Space Research</i> , 2017 , 59, 1144-1155	2.4	4
333	Precise Model for Small-Body Thermal Radiation Pressure Acting on Spacecraft. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 2432-2441	2.1	5
332	Linearized Lambert's Problem Solution. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 2205-2218	2.1	9
331	Dynamics of rotationally fissioned asteroids: non-planar case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 3982-3992	4.3	12
330	Energy dissipation end states of the sphere restricted planar three-body problem with collisional interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 794-801	4.3	1
329	Optimization of Hybrid Method for Uncertainty Propagation of Non-Keplerian Motion 2016 ,		1
328	Tracking Maneuvering Satellite Using Thrust-Fourier-Coefficient Event Representation. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 2554-2562	2.1	6

327	Relative Equilibria in the Spherical, Finite Density Three-Body Problem. <i>Journal of Nonlinear Science</i> , 2016 , 26, 1445-1482	2.8	8
326	Matching asteroid population characteristics with a model constructed from the YORP-induced rotational fission hypothesis. <i>Icarus</i> , 2016 , 277, 381-394	3.8	8
325	Fission and reconfiguration of bilobate comets as revealed by 67P/Churyumov-Gerasimenko. <i>Nature</i> , 2016 , 534, 352-5	50.4	56
324	Forced periodic motions by solar radiation pressure around uniformly rotating asteroids. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016 , 126, 405-432	1.4	15
323	Coupled orbit-attitude dynamics and relative state estimation of spacecraft near small Solar System bodies. <i>Advances in Space Research</i> , 2016 , 57, 1747-1761	2.4	32
322	Disruption patterns of rotating self-gravitating aggregates: A survey on angle of friction and tensile strength. <i>Icarus</i> , 2016 , 271, 453-471	3.8	45
321	Bounded relative orbits about asteroids for formation flying and applications. <i>Acta Astronautica</i> , 2016 , 123, 364-375	2.9	26
320	Physical models for the normal YORP and diurnal Yarkovsky effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 3977-3989	4.3	12
319	Orbit determination across unknown maneuvers using the essential Thrust-Fourier-Coefficients. <i>Acta Astronautica</i> , 2016 , 118, 90-95	2.9	3
318	Dynamics of the Jupiter Trojans with Saturn's perturbation when the two planets are in migration. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016 , 125, 451-484	1.4	5
317	Obliquity dependence of the tangential YORP. <i>Astronomy and Astrophysics</i> , 2016 , 592, A115	5.1	5
316	EQUILIBRIUM ROTATION STATES OF DOUBLY SYNCHRONOUS BINARY ASTEROIDS. <i>Astrophysical Journal Letters</i> , 2016 , 833, L23	7.9	5
315	Maneuver Detection with Event Representation Using Thrust Fourier Coefficients. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 1080-1091	2.1	6
314	The lift-off velocity on the surface of an arbitrary body. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016 , 125, 1-31	1.4	9
313	The geophysical environment of Bennu. <i>Icarus</i> , 2016 , 276, 116-140	3.8	70
312	Relative Equilibria in the Full N-Body Problem with Applications to the Equal Mass Problem. <i>Mathematics for Industry</i> , 2016 , 31-81	0.1	5
311	Attractive Sets to Unstable Orbits Using Optimal Feedback Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 2725-2739	2.1	4
310	Analytical solution for the normal emission portion of the averaged Yarkovsky-D'Keefe-Radzievskii-Paddack coefficient for a single facet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 446, 4029-4038	4.3	1

309	Reachability Using Arbitrary Performance Indices. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1099-1103	5.1	6
308	Improving Space Object Catalog Maintenance Through Advances in Solar Radiation Pressure Modeling. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 1366-1381	2.1	19
307	Effect of Dynamical Accuracy for Uncertainty Propagation of Perturbed Keplerian Motion. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 2287-2300	2.1	10
306	Evolution of angular velocity for defunct satellites as a result of YORP: An initial study. <i>Advances in Space Research</i> , 2015 , 56, 237-251	2.4	13
305	INTERNAL STRUCTURE OF ASTEROIDS HAVING SURFACE SHEDDING DUE TO ROTATIONAL INSTABILITY. <i>Astrophysical Journal</i> , 2015 , 808, 63	4.7	58
304	Tractable Expressions for Nonlinearly Propagated Uncertainties. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 1146-1151	2.1	12
303	Spectral slope variations for OSIRIS-REx target Asteroid (101955) Bennu: Possible evidence for a fine-grained regolith equatorial ridge. <i>Icarus</i> , 2015 , 256, 22-29	3.8	47
302	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2015 , 51, 454-467	3.7	2
301	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2015 , 51, 506-520	3.7	52
300	The OSIRIS-REx target asteroid (101955) Bennu: Constraints on its physical, geological, and dynamical nature from astronomical observations. <i>Meteoritics and Planetary Science</i> , 2015 , 50, 834-849	2.8	135
299	Temporarily Captured Asteroids as a Pathway to Affordable Asteroid Retrieval Missions. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 2132-2145	2.1	11
298	STRESS AND FAILURE ANALYSIS OF RAPIDLY ROTATING ASTEROID (29075) 1950 DA. <i>Astrophysical Journal Letters</i> , 2015 , 798, L8	7.9	44
297	Landslides and Mass shedding on spinning spheroidal asteroids. <i>Icarus</i> , 2015 , 247, 1-17	3.8	61
296	In search of the source of asteroid (101955) Bennu: Applications of the stochastic YORP model. <i>Icarus</i> , 2015 , 247, 191-217	3.8	101
295	Failure mode diagram of rubble pile asteroids: Application to (25143) asteroid Itokawa. <i>Proceedings of the International Astronomical Union</i> , 2015 , 10, 122-127	0.1	1
294	Hill Stability of Configurations in the Full N-Body Problem. <i>Proceedings of the International Astronomical Union</i> , 2015 , 10, 128-134	0.1	2
293	Dynamics of Satellites Around Asteroids in Presence of Solar Radiation Pressure. <i>Proceedings of the International Astronomical Union</i> , 2015 , 10, 259-264	0.1	
292	Maneuver Detection and Reconstruction of Stationkeeping Spacecraft at GEO using the Optimal Control-Based Estimator. <i>IFAC-PapersOnLine</i> , 2015 , 48, 216-221	0.7	3

291	Adaptive Reachability Analysis to Achieve Mission Objectives in Strongly Non-Keplerian Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 468-477	2.1	10
290	Event Representation-Based Orbit Determination Across Unknown Space Events. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 2351-2365	2.1	5
289	Variation of delivered impulse as a function of asteroid shape 2015 ,		1
288	Stable motions around triangular libration points in the real Earth-Moon system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 4172-4181	4.3	10
287	Abstraction Predictive Control for Chaotic Spacecraft Orbit Design. <i>IFAC-PapersOnLine</i> , 2015 , 48, 178-184.7		
286	Human exploration of near Earth Asteroids: Architecture of proximity operations. <i>Acta Astronautica</i> , 2015 , 110, 18-28	2.9	3
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