AntÃ´nio Fernando Bertachini De Almei

List of Publications by Year
in descending order

187 papers	1,581 citations	331670 21 h-index	454955 30 g-index
192 all docs	192 docs citations	192 times ranked	355 citing authors

#	ARTICLE	IF	CITATIONS
1	Third-Body Perturbation in Orbits Around Natural Satellites. Journal of Guidance, Control, and Dynamics, 2003, 26, 33-40.	2.8	86
2	Powered swingby. Journal of Guidance, Control, and Dynamics, 1996, 19, 1142-1147.	2.8	60
3	Third-Body Perturbation in the Case of Elliptic Orbits for the Disturbing Body. Mathematical Problems in Engineering, 2008, 2008, 1-14.	1.1	51
4	Close-Approach Trajectories in the Elliptic Restricted Problem. Journal of Guidance, Control, and Dynamics, 1997, 20, 797-802.	2.8	45
5	Some orbital characteristics of lunar artificial satellites. Celestial Mechanics and Dynamical Astronomy, 2010, 108, 371-388.	1.4	43
6	A comparison of the â€œpatched-conics approachâ€•and the restricted problem for swing-bys. Advances in Space Research, 2007, 40, 113-117.	2.6	36
7	Exoplanets in binary star systems: on the switch from prograde to retrograde orbits. Celestial Mechanics and Dynamical Astronomy, 2016, 124, 73-96.	1.4	35
8	Sphere of influence and gravitational capture radius: a dynamical approach. Monthly Notices of the Royal Astronomical Society, 2008, 391, 675-684.	4.4	34
9	Traveling between the Lagrangian points and the Earth. Acta Astronautica, 1996, 39, 483-486.	3.2	32
10	The dynamical environment of asteroid 21 Lutetia according to different internal models. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3552-3560.	4.4	31
11	Stability regions around the components of the triple system 2001 SN263. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3058-3073.	4.4	30
12	Mapping orbits around the asteroid 2001SN263. Advances in Space Research, 2014, 53, 877-889.	2.6	28
13	Transfer orbits in restricted problem. Journal of Guidance, Control, and Dynamics, 1995, 18, 593-598.	2.8	27
14	Numerical and analytical study of the gravitational capture in the bicircular problem. Advances in Space Research, 2005, 36, 578-584.	2.6	27
15	Low-altitude, near-polar and near-circular orbits around Europa. Advances in Space Research, 2012, 49, 994-1006.	2.6	27
16	Numerical study of the time required for the gravitational capture in the bi-circular four-body problem. Advances in Space Research, 2007, 40, 118-124.	2.6	25
17	Single frequency GPS measurements in real-time artificial satellite orbit determination. Acta Astronautica, 2003, 53, 123-133.	3.2	24
18	A numerical study of powered Swing-Bys around the Moon. Advances in Space Research, 2015, 56, 252-272.	2.6	24

#	Article	IF	Citations
19	Transfer orbits in the Earth-moon system using a regularized model. Journal of Guidance, Control, and Dynamics, 1996, 19, 929-933.	2.8	23
20	Time-of-Flight Analyses for the Gravitational Capture Maneuver. Journal of Guidance, Control, and Dynamics, 1998, 21, 122-126.	2.8	23
21	Effects of the eccentricity of the primaries in powered Swing-By maneuvers. Advances in Space Research, 2017, 59, 2071-2087.	2.6	23
22	Effects of atmospheric drag in swing-by trajectory. Acta Astronautica, 1995, 36, 285-290.	3.2	22
23	On the effects of each term of the geopotential perturbation along the time I: Quasi-circular orbits. Advances in Space Research, 2014, 54, 1008-1018.	2.6	22
24	An analytical study of the powered swing-by to perform orbital maneuvers. Advances in Space Research, 2007, 40, 102-112.	2.6	21
25	Planetary Satellite Orbiters: Applications for the Moon. Mathematical Problems in Engineering, 2011, 2011, 1-19.	1.1	21
26	A numerical mapping of energy gains in a powered Swing-By maneuver. Nonlinear Dynamics, 2017, 89, 791-818.	5.2	21
27	Classification of Swing-By Trajectories Using the Moon. Applied Mechanics Reviews, 1995, 48, S138-S142.	10.1	20
28	Classification of Out-of-Plane Swing-By Trajectories. Journal of Guidance, Control, and Dynamics, 1999, 22, 643-649.	2.8	19
29	Lambert problem solution in the hill model of motion. Celestial Mechanics and Dynamical Astronomy, 2004, 90, 331-354.	1.4	19
30	On one approach to the optimization of low-thrust station keeping manoeuvres. Advances in Space Research, 2012, 50, 1478-1488.	2.6	19
31	Developing the â€œPrecessing Inclined Bi-Elliptical Four-Body Problem with Radiation Pressureâ€•to search for orbits in the triple asteroid 2001SN 263. Advances in Space Research, 2016, 57, 962-982.	2.6	16
32	Numerical Study and Analytic Estimation of Forces Acting in Ballistic Gravitational Capture. Journal of Guidance, Control, and Dynamics, 2002, 25, 368-375.	2.8	14
33	Study of the gravitational capture in the elliptical restricted three-body problem. Journal of the Astronautical Sciences, 2006, 54, 567-582.	1.5	14
34	Low-Thrust Out-of-Plane Orbital Station-Keeping Maneuvers for Satellites. Mathematical Problems in Engineering, 2012, 2012, 1-14.	1.1	14
35	Searching for Orbits with Minimum Fuel Consumption for Station-Keeping Maneuvers: An Application to Lunisolar Perturbations. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	14
36	Stable retrograde orbits around the triple system 2001 SN263. Monthly Notices of the Royal Astronomical Society, 2015, 449, 4404-4414.	4.4	14

#	Article	IF	Citations
37	Studying the errors in the estimation of the variation of energy by the â€œpatched-conicsâ€•model in the three-dimensional swing-by. Celestial Mechanics and Dynamical Astronomy, 2017, 129, 269-284.	1.4	14
38	Dynamics in the vicinity of (101955) Bennu: solar radiation pressure effects in equatorial orbits. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2687-2701.	4.4	14
39	Averaged model to study long-term dynamics of a probe about Mercury. Celestial Mechanics and Dynamical Astronomy, 2018, 130, 1.	1.4	14
40	Nonsphericity of the Moon and Near Sun-Synchronous Polar Lunar Orbits. Mathematical Problems in Engineering, 2009, 2009, 1-24.	1.1	13
41	Powered Swing-By Maneuvers around the Moon. Journal of Physics: Conference Series, 2013, 465, 012001.	0.4	13
42	Dynamics of Space Particles and Spacecrafts Passing by the Atmosphere of the Earth. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	13
43	Onboard and Real-Time Artificial Satellite Orbit Determination Using GPS. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	12
44	Station Keeping of Constellations Using Multiobjective Strategies. Mathematical Problems in Engineering, 2013, 2013, 1-15.	1.1	12
45	Analytical study of the swing-by maneuver in an elliptical system. Astrophysics and Space Science, 2018, 363, 1.	1.4	12
46	Lunar gravity assists using patched-conics approximation, three and four body problems. Advances in Space Research, 2019, 64, 42-63.	2.6	12
47	FROZEN ORBITS AROUND EUROPA. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250240.	1.7	11
48	Transfer orbits to/from the Lagrangian points in the restricted four-body problem. Acta Astronautica, 2008, 63, 1221-1232.	3.2	10
49	Optimization of transfers under constraints on the thrust direction: II. Cosmic Research, 2008, 46, 49-59.	0.6	10
50	Equilibrium points in the restricted synchronous three-body problem using a mass dipole model. Astrophysics and Space Science, 2017, 362, 1.	1.4	10
51	Lifetime maps for orbits around Callisto using a double-averaged model. Astrophysics and Space Science, 2017, 362, 1.	1.4	10
52	Trajectory selection for a spacecraft performing a two-dimensional swing-by. Advances in Space Research, 2004, 34, 2256-2261.	2.6	9
53	Optimization of transfers under constraints on the thrust direction: I. Cosmic Research, 2007, 45, 417-423.	0.6	9
54	Mathematical Methods Applied to the Celestial Mechanics of Artificial Satellites 2013. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	9

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55	Study of the gravitational capture of a spacecraft by Jupiter. Advances in Space Research, 2015, 55, 668-681.	2.6	9
56	Some characteristics of orbits for a spacecraft around Mercury. Computational and Applied Mathematics, 2018, 37, 267-281.	1.3	9
57	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
58	Gravity-assisted maneuvers applied in the multi-objective optimization of interplanetary trajectories. Acta Astronautica, 2010, 67, 1255-1271.	3.2	8
59	Four-Impulsive Rendezvous Maneuvers for Spacecrafts in Circular Orbits Using Genetic Algorithms. Mathematical Problems in Engineering, 2012, 2012, 1-16.	1.1	8
60	Mapping orbits with low station keeping costs for constellations of satellites based on the integral over the time of the perturbing forces. Acta Astronautica, 2014, 104, 350-361.	3.2	8
61	Powered aero-gravity-assist maneuvers considering lift and drag around the Earth. Astrophysics and Space Science, 2017, 362, 1.	1.4	8
62	Searching for Less-Disturbed Orbital Regions Around the Near-Earth Asteroid 2001 SN263. Journal of Spacecraft and Rockets, 2019, 56, 1775-1785.	1.9	8
63	Study of Henon's orbit transfer problem using the Lambert algorithm. Journal of Guidance, Control, and Dynamics, 1994, 17, 1075-1081.	2.8	7
64	Third-Body Perturbation Using a Single Averaged Model: Application in Nonsingular Variables. Mathematical Problems in Engineering, 2007, 2007, 1-14.	1.1	7
65	Comparison between Two Methods to Calculate the Transition Matrix of Orbit Motion. Mathematical Problems in Engineering, 2012, 2012, 1-12.	1.1	7
66	Dynamics of Artificial Satellites around Europa. Mathematical Problems in Engineering, 2013, 2013, 1-7.	1.1	7
67	Using Tethered Gravity-Assisted Maneuvers for Planetary Capture. Journal of Guidance, Control, and Dynamics, 2015, 38, 1852-1856.	2.8	7
68	Analyzing â€œintegral indicesâ€•to quantify the effects of a perturbing force in the harmonic and Duffing oscillators. Computational and Applied Mathematics, 2018, 37, 7-15.	1.3	7
69	Dynamics of tethered asteroid systems to support planetary defense. European Physical Journal: Special Topics, 2020, 229, 1463-1477.	2.6	7
70	Analysis of the orbital evolution of space debris using a solar sail and natural forces. Advances in Space Research, 2022, 70, 125-143.	2.6	7
71	A study of trajectories to the Neptune system using gravity assists. Advances in Space Research, 2007, 40, 125-133.	2.6	6
72	A Study of Single- and Double-Averaged Second-Order Models to Evaluate Third-Body Perturbation Considering Elliptic Orbits for the Perturbing Body. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	6

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73	Searching Less Perturbed Circular Orbits for a Spacecraft Travelling around Europa. Mathematical Problems in Engineering, 2014, 2014, 1-10.	1.1	6
74	Effects of the Eccentricity of a Perturbing Third Body on the Orbital Correction Maneuvers of a Spacecraft. Mathematical Problems in Engineering, 2014, 2014, 1-15.	1.1	6
75	Study of Some Strategies for Disposal of the GNSS Satellites. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	6
76	Satellite de-orbiting via controlled solar radiation pressure. Celestial Mechanics and Dynamical Astronomy, 2016, 126, 433-459.	1.4	6
77	Analytical study of the powered Swing-By maneuver for elliptical systems and analysis of its efficiency. Astrophysics and Space Science, 2018, 363, 1.	1.4	6
78	Orbital planar maneuvers using two and three-four (through infinity) impulses. Journal of Guidance, Control, and Dynamics, 1996, 19, 274-282.	2.8	5
79	Debris perturbed by radiation pressure: relative velocities across circular orbits. Advances in Space Research, 2004, 34, 1177-1180.	2.6	5
80	Studying the behaviour of averaged models in the third body perturbation problem. Journal of Physics: Conference Series, 2013, 465, 012017.	0.4	5
81	Mapping Orbits regarding Perturbations due to the Gravitational Field of a Cube. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	5
82	A study of the errors of the averaged models in the restricted three-body problem in a short time scale. Computational and Applied Mathematics, 2015, 34, 507-520.	1.3	5
83	Studying sequences of resonant orbits to perform successive close approaches with the Moon. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 1391-1404.	1.6	5
84	Atmospheric close approaches with the Earth considering drag and lift forces. Computational and Applied Mathematics, 2016, 35, 817-833.	1.3	5
85	Analysis of impulsive maneuvers to keep orbits around the asteroid 2001SN263. Astrophysics and Space Science, 2018, 363, 1.	1.4	5
86	Generalizing the Bicircular Restricted Four-Body Problem. Journal of Guidance, Control, and Dynamics, 2020, 43, 1173-1179.	2.8	5
87	Optimal trajectories towards near-earth-objects using solar electric propulsion (SEP) and gravity assisted maneuver. Journal of Aerospace Engineering, Sciences and Applications, 2008, 1, 51-64.	0.3	5
88	Mapping Long-Term Natural Orbits about Titania, a Satellite of Uranus. Symmetry, 2022, 14, 667.	2.2	5
89	Optimal space manoeuvres in a non-Keplerian force field. Advances in Space Research, 2002, 30, 345-350.	2.6	4
90	Orbital maneuvers using gravitational capture times. Advances in Space Research, 2003, 31, 2005-2010.	2.6	4

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91	Planar close encounter trajectories for spacecrafts passing near Jupiter. Advances in Space Research, 2005, 36, 561-568.	2.6	4
92	Changing inclination of earth satellites using the gravity of the moon. Mathematical Problems in Engineering, 2006, 2006, 1-13.	1.1	4
93	A study of the effects of the forces in the ballistic capture by the major primary. Advances in Space Research, 2007, 40, 96-101.	2.6	4
94	Minimum Fuel Low-Thrust Transfers for Satellites Using a Permanent Magnet Hall Thruster. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	4
95	Analysis of the secular problem for triple star systems. Journal of Physics: Conference Series, 2013, 465, 012010.	0.4	4
96	Searching for less perturbed elliptical orbits around Europa. Journal of Physics: Conference Series, 2015, 641, 012011.	0.4	4
97	Lifetime of a spacecraft around a synchronous system of asteroids using a dipole model. Astrophysics and Space Science, 2017, 362, 1.	1.4	4
98	Perturbation Maps and the ring of Haumea. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2085-2097.	4.4	4
99	Spacecraft motion around artificial equilibrium points. Nonlinear Dynamics, 2018, 91, 1473-1489.	5.2	4
100	Orbital control of a satellite using the gravity of the Moon. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2006, 28, .	1.6	4
101	Optimal bi-impulsive non-coplanar maneuvers using hyperbolic orbital transfer with time constraint. Journal of Aerospace Engineering, Sciences and Applications, 2008, 1, 43-50.	0.3	4
102	A Modification of the Method of Transporting Trajectory. Cosmic Research, 2004, 42, 103-108.	0.6	3
103	Optimization of low-thrust transfers in the three body problem. Cosmic Research, 2008, 46, 413-424.	0.6	3
104	Optimal low-thrust transfers between close near-circular coplanar orbits. Cosmic Research, 2011, 49, 269-279.	0.6	3
105	The Study of the Asymmetric Multiple Encounters Problem and Its Application to Obtain Jupiter Gravity Assisted Maneuvers. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	3
106	Mapping stable direct and retrograde orbits around the triple system of asteroids (45) Eugenia. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3999-4006.	4.4	3
107	Planar powered Swing-By maneuvers to brake a spacecraft. Computational and Applied Mathematics, 2018, 37, 202-219.	1.3	3
108	Application of Impulsive Aero-Gravity Assisted Maneuvers in Venus and Mars to Change the Orbital Inclination of a Spacecraft. Journal of the Astronautical Sciences, 2019, 66, 322-340.	1.5	3

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109	Use of the tethered swingby maneuver to reach the Haumea dwarf planet. Astrophysics and Space Science, 2019, 364, 1.	1.4	3
110	A mathematical study of the tethered slingshot maneuver using the elliptic restricted problem. Nonlinear Dynamics, 2020, 102, 1585-1609.	5.2	3
111	A historical review of the theory of gravity-assists in the pre-spaceflight era. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	3
112	A SHORT HISTORY OF THE ACADEMIC ACTIVITIES AT THE BRAZILIAN NATIONAL INSTITUTE FOR SPACE RESEARCH. Journal of Aerospace Technology and Management, 2011, 3, 5-12.	0.3	3
113	Comparisons between the circular restricted three-body and bi-circular four body problems for transfers between the two smaller primaries. Scientific Reports, 2022, 12, 4148.	3.3	3
114	Trajectories Derived from Periodic Orbits around the Lagrangian Point L1 and Lunar Swing-Bys: Application in Transfers to Near-Earth Asteroids. Symmetry, 2022, 14, 1132.	2.2	3
115	Outer Planet Missions with Electric Propulsion Systemsâ€”Part I. Mathematical Problems in Engineering, 2010, 2010, 1-11.	1.1	2
116	Trajectory control around non-spherical bodies modelled by parallelepipeds. Journal of Physics: Conference Series, 2013, 465, 012008.	0.4	2
117	A Study of the Duration of the Passage through the Van Allen Belts for a Spacecraft going to the Moon. Journal of Physics: Conference Series, 2013, 465, 012019.	0.4	2
118	A Comparison of Averaged and Full Models to Study the Third-Body Perturbation. Scientific World Journal, The, 2013, 2013, 1-16.	2.1	2
119	Celestial Mechanics: from the bases of the past to the challenges of the future. Journal of Physics: Conference Series, 2015, 641, 011001.	0.4	2
120	Close approach of a cloud of particles around an oblate planet. Computational and Applied Mathematics, 2016, 35, 663-673.	1.3	2
121	Analysis of the orbital evolution of exoplanets. Computational and Applied Mathematics, 2016, 35, 847-863.	1.3	2
122	Searching for some natural orbits to observe the double asteroid 2002CE26. Astrophysics and Space Science, 2017, 362, 1.	1.4	2
123	Studying the energy variation in the powered Swing-By in the Sun-Mercury system. Journal of Physics: Conference Series, 2017, 911, 012007.	0.4	2
124	Searching for orbits around the triple asteroid 2001SN263. Journal of Physics: Conference Series, 2017, 911, 012008.	0.4	2
125	Tetrahedron formation of nanosatellites with single-input control. Astrophysics and Space Science, 2018, 363, 1.	1.4	2
126	Analyzing â€œintegral indicesâ€•to quantify the effects of a perturbing force over satellites. Acta Astronautica, 2019, 164, 168-173.	3.2	2

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127	A dynamical study of the Gefion asteroid family. Astronomy and Astrophysics, 2019, 622, A39.	5.1	2
128	Errors of Powered Swing-By in the Restricted Three-Body Problem. Journal of Guidance, Control, and Dynamics, 2019, 42, 2246-2257.	2.8	2
129	Artificial equilibrium points and bi-impulsive maneuvers to observe 243 Ida. Chinese Journal of Aeronautics, 2021, 34, 410-423.	5.3	2
130	The opportune location for a kinetic impactor to disrupt potentially hazardous asteroids. Planetary and Space Science, 2021, 206, 105305.	1.7	2
131	An Analytical and Numerical Study of Plane Change Maneuvers Using Aerodynamic Force. Journal of the Astronautical Sciences, 2002, 50, 289-303.	1.5	2
132	Further Applications of the Smallest Loss Criterio.... , 2005, , .		2
133	Swing-By Applications and Estimation of the Van Allen Beltsâ€™ Radiation Exposure for a Spacecraft in a Low Thrust Transfer to the Moon. Symmetry, 2022, 14, 617.	2.2	2
134	Using low Lift-to-Drag spacecraft to perform upper atmospheric Aero-Gravity Assisted Maneuvers. Advances in Space Research, 2022, 70, 1032-1047.	2.6	2
135	10.1007/s10604-008-1007-1. Time To Knit, 2000, 1, .	0.1	1
136	Analysis of trajectories to neptune using gravity assists. Journal of the Astronautical Sciences, 2006, 54, 583-593.	1.5	1
137	Orbital Maneuvers Using Low Thrust to Place a Satellite in a Constellation. Mathematical Problems in Engineering, 2007, 2007, 1-9.	1.1	1
138	Analysis of Electric Propulsion System for Exploration of Saturn. Mathematical Problems in Engineering, 2009, 2009, 1-14.	1.1	1
139	Orbital trajectories control around non-spherical bodies. , 2012, , .		1
140	A Study of Swing-By Trajectories in the Galilean Satellites of Jupiter. Journal of Physics: Conference Series, 2013, 465, 012002.	0.4	1
141	Rendezvous maneuvers using Genetic Algorithm. Journal of Physics: Conference Series, 2013, 465, 012005.	0.4	1
142	Searching for capture and escape trajectories around Jupiter using its Galilean satellites. Computational and Applied Mathematics, 2015, 34, 451-460.	1.3	1
143	On the use of a variable coefficient of reflectivity associated with an augmented area-to-mass ratio to de-orbit CubeSats. Journal of Physics: Conference Series, 2017, 911, 012009.	0.4	1
144	XVIII Brazilian Colloquium on Orbital Dynamics (2016): the bases of Celestial Mechanics and its development in the research institutions in Brazil. Journal of Physics: Conference Series, 2017, 911, 011001.	0.4	1

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145	Determination of the optimal conditions for inclination maneuvers using a Swing-by. Astrophysics and Space Science, 2018, 363, 1.	1.4	1
146	Celestial mechanics, spacecrafts, and 50th years of the first humans on the Moon. Computational and Applied Mathematics, 2018, 37, 1-6.	1.3	1
147	Building an â€œEscape Portalâ€•with Tethers Fixed in Asteroids. Journal of the Astronautical Sciences, 2018, 65, 355-375.	1.5	1
148	Determination of thrusts to generate artificial equilibrium points in binary systems with applications to a planar solar sail. Nonlinear Dynamics, 2019, 95, 919-942.	5.2	1
149	On the use of a continuous thrust to find bounded planar trajectories at given altitudes in Low Earth Orbits. Scientific Reports, 2020, 10, 8728.	3.3	1
150	Effects of Bank Angle During Powered Aerogravity-Assist Maneuver. Journal of Spacecraft and Rockets, 2021, 58, 486-498.	1.9	1
151	AvaliaÃ§Ã£o AcadÃªmica Multidimensional com o uso do â€œU-Multirankâ€• AvaliaÃ§Ã£o: Revista Da AvaliaÃ§Ã£o Da EducaÃ§Ã£o Superior, 2022, 27, 159-182.	0.2	1
152	A study of the dispersion of a cloud of particles due to a close approach. Advances in Space Research, 2005, 36, 585-589.	2.6	0
153	On the scattering of comets by a planet. Advances in Space Research, 2006, 37, 169-173.	2.6	0
154	Gravitational Capture by the Major Primary in the Restricted Four-Body Problem. , 2006, , .		0
155	Collision and Stable Regions around Bodies with Simple Geometric Shape. Mathematical Problems in Engineering, 2009, 2009, 1-14.	1.1	0
156	Space Dynamics. Mathematical Problems in Engineering, 2009, 2009, 1-7.	1.1	0
157	Low-Thrust Orbital Transfers in the Two-Body Problem. Mathematical Problems in Engineering, 2012, 2012, 1-20.	1.1	0
158	Mathematical Methods Applied to the Celestial Mechanics of Artificial Satellites. Mathematical Problems in Engineering, 2012, 2012, 1-7.	1.1	0
159	Searching sequences of resonant orbits between a spacecraft and Jupiter. Journal of Physics: Conference Series, 2013, 465, 012011.	0.4	0
160	A Stronger than ever Journal on Space Sciences, Technology, Management and Applications. Journal of Aerospace Technology and Management, 2014, 6, 5-6.	0.3	0
161	Mathematics of Nanosatellites. Journal of Aerospace Technology and Management, 2014, 6, 361-362.	0.3	0
162	Gravitational Capture and Maintenance of a Spacecraft Around Pluto. , 2014, , .		0

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163	Close approach maneuvers around an oblate planet. Journal of Physics: Conference Series, 2015, 641, 012008.	0.4	0
164	Mathematical Methods Applied to the Celestial Mechanics of Artificial Satellites 2014. Mathematical Problems in Engineering, 2015, 2015, 1-3.	1.1	0
165	Propagation of Space Objects. Journal of Aerospace Technology and Management, 2015, 7, 5-6.	0.3	0
166	Estimating the trajectory of a space vehicle passing by the Moon using Kalman Filter. Journal of Physics: Conference Series, 2015, 641, 012002.	0.4	0
167	Out-of-plane orbital maneuvers using swing-bys with the Moon. Journal of Physics: Conference Series, 2015, 641, 012014.	0.4	0
168	Celestial mechanics: from the errant stars to guidance of spacecrafts. Computational and Applied Mathematics, 2015, 34, 417-421.	1.3	0
169	Traveling Between the Earth-Moon Lagrangian Points and the Earth. , 2016, , .		0
170	Applications of celestial mechanics in natural objects and spacecrafts. Computational and Applied Mathematics, 2017, 36, 1463-1469.	1.3	0
171	Searching for orbits around the triple system 45 Eugenia. Journal of Physics: Conference Series, 2017, 911, 012001.	0.4	0
172	Equilibrium points in the asteroid 2001SN263. Journal of Physics: Conference Series, 2017, 911, 012023.	0.4	0
173	Injection of a microsatellite in circular orbits using a three-stage launch vehicle. Journal of Physics: Conference Series, 2017, 911, 012012.	0.4	0
174	Artificial satellites orbiting planetary satellites: critical inclination and sun-synchronous orbits. Journal of Physics: Conference Series, 2017, 911, 012018.	0.4	0
175	Co-Orbital Orbits Around the Asteroid 65803 Didymos (1996 GT). , 2018, , .		0
176	Strategies to Find Orbits around the Triple Asteroid 2001₂₆₃. , 2018, , .		0
177	Searching for orbits to observe the poles of celestial bodies. Advances in Space Research, 2020, 66, 2378-2401.	2.6	0
178	Celestial Mechanics in the XXIst century â€“ challenges. European Physical Journal: Special Topics, 2020, 229, 1373-1377.	2.6	0
179	A manobra assistida por gravidade abrindo as portas para o sistema solar exterior. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	0
180	A computational approach to the powered Swing-By in the elliptic restricted problem. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	0

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181	The use of consecutive collision orbits to obtain .... , 2005, , .		0
182	SEARCH FOR STABLE ORBITS AROUND THE BINARY ASTEROID SYSTEMS 1999 KW4 AND DIDYMOS. Revista Mexicana De Astronomia Y Astrofisica, 2020, 56, 113-128.	0.5	0
183	Autonomous and Robust Orbit-Keeping for Small-Body Missions. Journal of Guidance, Control, and Dynamics, 2022, 45, 587-598.	2.8	0
184	Circular Restricted n-Body Problem. Journal of Guidance, Control, and Dynamics, 0, , 1-8.	2.8	0
185	PERFIL DOS GESTORES DO PROGRAMA DE INTERNACIONALIZAÃ‡ÃƒO (CAPES-PrInt). Revista Estudos E Pesquisas Em AdministraÃ§Ã£o, 2021, 5, .	0.0	0
186	Applying the perturbative integral in aeromaneuvers around Mars to calculate the cost. Scientific Reports, 2022, 12, 5022.	3.3	0
187	Dynamics of a Particle in 3:1 Tesseral Resonance with the Dwarf Planet Haumea. Symmetry, 2022, 14, 1378.	2.2	0