

Antônio Fernando Bertachini De Almeida

List of Publications by Year in descending order

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187
papers

1,581
citations

331670

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454955

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192
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192
docs citations

192
times ranked

355
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	Autonomous and Robust Orbit-Keeping for Small-Body Missions. Journal of Guidance, Control, and Dynamics, 2022, 45, 587-598.	2.8	0
3	Avaliação Acadêmica Multidimensional com o uso do ϵ -Multirank. Avaliação: Revista Da Avaliação Da Educação Superior, 2022, 27, 159-182.	0.2	1
4	Mapping Long-Term Natural Orbits about Titania, a Satellite of Uranus. Symmetry, 2022, 14, 667.	2.2	5
5	Swing-By Applications and Estimation of the Van Allen Belts TM Radiation Exposure for a Spacecraft in a Low Thrust Transfer to the Moon. Symmetry, 2022, 14, 617.	2.2	2
6	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
7	Applying the perturbative integral in aeromaneuvers around Mars to calculate the cost. Scientific Reports, 2022, 12, 5022.	3.3	0
8	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
9	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
10	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
11	Dynamics of a Particle in 3:1 Tisserand Resonance with the Dwarf Planet Haumea. Symmetry, 2022, 14, 1378.	2.2	0
12	Effects of Bank Angle During Powered Aerogravity-Assist Maneuver. Journal of Spacecraft and Rockets, 2021, 58, 486-498.	1.9	1
13	Artificial equilibrium points and bi-impulsive maneuvers to observe 243 Ida. Chinese Journal of Aeronautics, 2021, 34, 410-423.	5.3	2
14	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
15	The opportune location for a kinetic impactor to disrupt potentially hazardous asteroids. Planetary and Space Science, 2021, 206, 105305.	1.7	2
16	PERFIL DOS GESTORES DO PROGRAMA DE INTERNACIONALIZAÇÃO (CAPES-PrInt). Revista Estudos E Pesquisas Em Administração, 2021, 5, .	0.0	0
17	A mathematical study of the tethered slingshot maneuver using the elliptic restricted problem. Nonlinear Dynamics, 2020, 102, 1585-1609.	5.2	3
18	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

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19	Searching for orbits to observe the poles of celestial bodies. <i>Advances in Space Research</i> , 2020, 66, 2378-2401.	2.6	0
20	On the use of a continuous thrust to find bounded planar trajectories at given altitudes in Low Earth Orbits. <i>Scientific Reports</i> , 2020, 10, 8728.	3.3	1
21	Dynamics of tethered asteroid systems to support planetary defense. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1463-1477.	2.6	7
22	Celestial Mechanics in the XXIst century " challenges. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1373-1377.	2.6	0
23	Perturbation Maps and the ring of Haumea. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2085-2097.	4.4	4
24	Generalizing the Bicircular Restricted Four-Body Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1173-1179.	2.8	5
25	SEARCH FOR STABLE ORBITS AROUND THE BINARY ASTEROID SYSTEMS 1999 KW4 AND DIDYMOS. <i>Revista Mexicana De Astronomia Y Astrofisica</i> , 2020, 56, 113-128.	0.5	0
26	Analyzing "integral indices" to quantify the effects of a perturbing force over satellites. <i>Acta Astronautica</i> , 2019, 164, 168-173.	3.2	2
27	Searching for Less-Disturbed Orbital Regions Around the Near-Earth Asteroid 2001 SN263. <i>Journal of Spacecraft and Rockets</i> , 2019, 56, 1775-1785.	1.9	8
28	A dynamical study of the Gefion asteroid family. <i>Astronomy and Astrophysics</i> , 2019, 622, A39.	5.1	2
29	Application of Impulsive Aero-Gravity Assisted Maneuvers in Venus and Mars to Change the Orbital Inclination of a Spacecraft. <i>Journal of the Astronautical Sciences</i> , 2019, 66, 322-340.	1.5	3
30	Lunar gravity assists using patched-conics approximation, three and four body problems. <i>Advances in Space Research</i> , 2019, 64, 42-63.	2.6	12
31	Determination of thrusts to generate artificial equilibrium points in binary systems with applications to a planar solar sail. <i>Nonlinear Dynamics</i> , 2019, 95, 919-942.	5.2	1
32	Errors of Powered Swing-By in the Restricted Three-Body Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 2246-2257.	2.8	2
33	Use of the tethered swingby maneuver to reach the Haumea dwarf planet. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	3
34	Determination of the optimal conditions for inclination maneuvers using a Swing-by. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	1
35	Co-Orbital Orbits Around the Asteroid 65803 Didymos (1996 GT). , 2018, , .		0
36	Strategies to Find Orbits around the Triple Asteroid 2001 ₂₆₃ . , 2018, , .		0

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37	Averaged model to study long-term dynamics of a probe about Mercury. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	14
38	Analysis of impulsive maneuvers to keep orbits around the asteroid 2001SN263. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	5
39	Some characteristics of orbits for a spacecraft around Mercury. <i>Computational and Applied Mathematics</i> , 2018, 37, 267-281.	1.3	9
40	Analytical study of the swing-by maneuver in an elliptical system. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	12
41	Analyzing "integral indices" to quantify the effects of a perturbing force in the harmonic and Duffing oscillators. <i>Computational and Applied Mathematics</i> , 2018, 37, 7-15.	1.3	7
42	Planar powered Swing-By maneuvers to brake a spacecraft. <i>Computational and Applied Mathematics</i> , 2018, 37, 202-219.	1.3	3
43	Celestial mechanics, spacecrafts, and 50th years of the first humans on the Moon. <i>Computational and Applied Mathematics</i> , 2018, 37, 1-6.	1.3	1
44	Tetrahedron formation of nanosatellites with single-input control. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	2
45	Building an "Escape Portal" with Tethers Fixed in Asteroids. <i>Journal of the Astronautical Sciences</i> , 2018, 65, 355-375.	1.5	1
46	Analytical study of the powered Swing-By maneuver for elliptical systems and analysis of its efficiency. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	6
47	Spacecraft motion around artificial equilibrium points. <i>Nonlinear Dynamics</i> , 2018, 91, 1473-1489.	5.2	4
48	Equilibrium points in the restricted synchronous three-body problem using a mass dipole model. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	10
49	Powered aero-gravity-assist maneuvers considering lift and drag around the Earth. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	8
50	Effects of the eccentricity of the primaries in powered Swing-By maneuvers. <i>Advances in Space Research</i> , 2017, 59, 2071-2087.	2.6	23
51	Mapping stable direct and retrograde orbits around the triple system of asteroids (45) Eugenia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3999-4006.	4.4	3
52	Lifetime of a spacecraft around a synchronous system of asteroids using a dipole model. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	4
53	Applications of celestial mechanics in natural objects and spacecrafts. <i>Computational and Applied Mathematics</i> , 2017, 36, 1463-1469.	1.3	0
54	Studying the errors in the estimation of the variation of energy by the "patched-conics" model in the three-dimensional swing-by. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 129, 269-284.	1.4	14

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55	A numerical mapping of energy gains in a powered Swing-By maneuver. <i>Nonlinear Dynamics</i> , 2017, 89, 791-818.	5.2	21
56	Dynamics in the vicinity of (101955) Benu: solar radiation pressure effects in equatorial orbits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2687-2701.	4.4	14
57	Searching for some natural orbits to observe the double asteroid 2002CE26. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	2
58	The dynamical environment of asteroid 21 Lutetia according to different internal models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3552-3560.	4.4	31
59	Studying the energy variation in the powered Swing-By in the Sun-Mercury system. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012007.	0.4	2
60	On the use of a variable coefficient of reflectivity associated with an augmented area-to-mass ratio to de-orbit CubeSats. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012009.	0.4	1
61	Searching for orbits around the triple system 45 Eugenia. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012001.	0.4	0
62	Equilibrium points in the asteroid 2001SN263. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012023.	0.4	0
63	Lifetime maps for orbits around Callisto using a double-averaged model. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	10
64	Searching for orbits around the triple asteroid 2001SN263. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012008.	0.4	2
65	XVIII Brazilian Colloquium on Orbital Dynamics (2016): the bases of Celestial Mechanics and its development in the research institutions in Brazil. <i>Journal of Physics: Conference Series</i> , 2017, 911, 011001.	0.4	1
66	Injection of a microsatellite in circular orbits using a three-stage launch vehicle. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012012.	0.4	0
67	Artificial satellites orbiting planetary satellites: critical inclination and sun-synchronous orbits. <i>Journal of Physics: Conference Series</i> , 2017, 911, 012018.	0.4	0
68	Traveling Between the Earth-Moon Lagrangian Points and the Earth. , 2016, , .		0
69	Developing the "Precessing Inclined Bi-Elliptical Four-Body Problem with Radiation Pressure" to search for orbits in the triple asteroid 2001SN 263. <i>Advances in Space Research</i> , 2016, 57, 962-982.	2.6	16
70	Satellite de-orbiting via controlled solar radiation pressure. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 126, 433-459.	1.4	6
71	Close approach of a cloud of particles around an oblate planet. <i>Computational and Applied Mathematics</i> , 2016, 35, 663-673.	1.3	2
72	Analysis of the orbital evolution of exoplanets. <i>Computational and Applied Mathematics</i> , 2016, 35, 847-863.	1.3	2

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73	Exoplanets in binary star systems: on the switch from prograde to retrograde orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 124, 73-96.	1.4	35
74	Atmospheric close approaches with the Earth considering drag and lift forces. <i>Computational and Applied Mathematics</i> , 2016, 35, 817-833.	1.3	5
75	Searching for less perturbed elliptical orbits around Europa. <i>Journal of Physics: Conference Series</i> , 2015, 641, 012011.	0.4	4
76	Celestial Mechanics: from the bases of the past to the challenges of the future. <i>Journal of Physics: Conference Series</i> , 2015, 641, 011001.	0.4	2
77	Close approach maneuvers around an oblate planet. <i>Journal of Physics: Conference Series</i> , 2015, 641, 012008.	0.4	0
78	Study of Some Strategies for Disposal of the GNSS Satellites. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-14.	1.1	6
79	Mathematical Methods Applied to the Celestial Mechanics of Artificial Satellites 2014. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-3.	1.1	0
80	Mapping Orbits regarding Perturbations due to the Gravitational Field of a Cube. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-11.	1.1	5
81	Propagation of Space Objects. <i>Journal of Aerospace Technology and Management</i> , 2015, 7, 5-6.	0.3	0
82	Estimating the trajectory of a space vehicle passing by the Moon using Kalman Filter. <i>Journal of Physics: Conference Series</i> , 2015, 641, 012002.	0.4	0
83	Using Tethered Gravity-Assisted Maneuvers for Planetary Capture. <i>Journal of Guidance, Control, and Dynamics</i> , 2015, 38, 1852-1856.	2.8	7
84	Out-of-plane orbital maneuvers using swing-bys with the Moon. <i>Journal of Physics: Conference Series</i> , 2015, 641, 012014.	0.4	0
85	A study of the errors of the averaged models in the restricted three-body problem in a short time scale. <i>Computational and Applied Mathematics</i> , 2015, 34, 507-520.	1.3	5
86	Studying sequences of resonant orbits to perform successive close approaches with the Moon. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2015, 37, 1391-1404.	1.6	5
87	A numerical study of powered Swing-Bys around the Moon. <i>Advances in Space Research</i> , 2015, 56, 252-272.	2.6	24
88	Stable retrograde orbits around the triple system 2001 SN263. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 4404-4414.	4.4	14
89	Study of the gravitational capture of a spacecraft by Jupiter. <i>Advances in Space Research</i> , 2015, 55, 668-681.	2.6	9
90	Celestial mechanics: from the errant stars to guidance of spacecrafts. <i>Computational and Applied Mathematics</i> , 2015, 34, 417-421.	1.3	0

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91	Searching for capture and escape trajectories around Jupiter using its Galilean satellites. Computational and Applied Mathematics, 2015, 34, 451-460.	1.3	1
92	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
93	Mathematics of Nanosatellites. Journal of Aerospace Technology and Management, 2014, 6, 361-362.	0.3	0
94	Searching Less Perturbed Circular Orbits for a Spacecraft Travelling around Europa. Mathematical Problems in Engineering, 2014, 2014, 1-10.	1.1	6
95	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
96	Gravitational Capture and Maintenance of a Spacecraft Around Pluto. , 2014, , .		0
97	Mapping orbits around the asteroid 2001SN263. Advances in Space Research, 2014, 53, 877-889.	2.6	28
98	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
99	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
100	Minimum Fuel Low-Thrust Transfers for Satellites Using a Permanent Magnet Hall Thruster. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	4
101	Dynamics of Artificial Satellites around Europa. Mathematical Problems in Engineering, 2013, 2013, 1-7.	1.1	7
102	Mathematical Methods Applied to the Celestial Mechanics of Artificial Satellites 2013. Mathematical Problems in Engineering, 2013, 2013, 1-5.	1.1	9
103	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
104	Onboard and Real-Time Artificial Satellite Orbit Determination Using GPS. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	12
105	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
106	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
107	Station Keeping of Constellations Using Multiobjective Strategies. Mathematical Problems in Engineering, 2013, 2013, 1-15.	1.1	12
108	Analysis of the secular problem for triple star systems. Journal of Physics: Conference Series, 2013, 465, 012010.	0.4	4

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109	Trajectory control around non-spherical bodies modelled by parallelepipeds. Journal of Physics: Conference Series, 2013, 465, 012008.	0.4	2
110	A Study of Swing-By Trajectories in the Galilean Satellites of Jupiter. Journal of Physics: Conference Series, 2013, 465, 012002.	0.4	1
111	Powered Swing-By Maneuvers around the Moon. Journal of Physics: Conference Series, 2013, 465, 012001.	0.4	13
112	Rendezvous maneuvers using Genetic Algorithm. Journal of Physics: Conference Series, 2013, 465, 012005.	0.4	1
113	Searching sequences of resonant orbits between a spacecraft and Jupiter. Journal of Physics: Conference Series, 2013, 465, 012011.	0.4	0
114	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
115	Studying the behaviour of averaged models in the third body perturbation problem. Journal of Physics: Conference Series, 2013, 465, 012017.	0.4	5
116	Dynamics of Space Particles and Spacecrafts Passing by the Atmosphere of the Earth. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	13
117	A Comparison of Averaged and Full Models to Study the Third-Body Perturbation. Scientific World Journal, The, 2013, 2013, 1-16.	2.1	2
118	Low-Thrust Orbital Transfers in the Two-Body Problem. Mathematical Problems in Engineering, 2012, 2012, 1-20.	1.1	0
119	Four-Impulsive Rendezvous Maneuvers for Spacecrafts in Circular Orbits Using Genetic Algorithms. Mathematical Problems in Engineering, 2012, 2012, 1-16.	1.1	8
120	Low-Thrust Out-of-Plane Orbital Station-Keeping Maneuvers for Satellites. Mathematical Problems in Engineering, 2012, 2012, 1-14.	1.1	14
121	Comparison between Two Methods to Calculate the Transition Matrix of Orbit Motion. Mathematical Problems in Engineering, 2012, 2012, 1-12.	1.1	7
122	Orbital trajectories control around non-spherical bodies. , 2012, , .		1
123	Mathematical Methods Applied to the Celestial Mechanics of Artificial Satellites. Mathematical Problems in Engineering, 2012, 2012, 1-7.	1.1	0
124	FROZEN ORBITS AROUND EUROPA. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250240.	1.7	11
125	On one approach to the optimization of low-thrust station keeping manoeuvres. Advances in Space Research, 2012, 50, 1478-1488.	2.6	19
126	Low-altitude, near-polar and near-circular orbits around Europa. Advances in Space Research, 2012, 49, 994-1006.	2.6	27

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127	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
128	Optimal low-thrust transfers between close near-circular coplanar orbits. Cosmic Research, 2011, 49, 269-279.	0.6	3
129	Planetary Satellite Orbiters: Applications for the Moon. Mathematical Problems in Engineering, 2011, 2011, 1-19.	1.1	21
130	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
131	Some orbital characteristics of lunar artificial satellites. Celestial Mechanics and Dynamical Astronomy, 2010, 108, 371-388.	1.4	43
132	Gravity-assisted maneuvers applied in the multi-objective optimization of interplanetary trajectories. Acta Astronautica, 2010, 67, 1255-1271.	3.2	8
133	Outer Planet Missions with Electric Propulsion Systems – Part I. Mathematical Problems in Engineering, 2010, 2010, 1-11.	1.1	2
134	Collision and Stable Regions around Bodies with Simple Geometric Shape. Mathematical Problems in Engineering, 2009, 2009, 1-14.	1.1	0
135	Nonsphericity of the Moon and Near Sun-Synchronous Polar Lunar Orbits. Mathematical Problems in Engineering, 2009, 2009, 1-24.	1.1	13
136	Analysis of Electric Propulsion System for Exploration of Saturn. Mathematical Problems in Engineering, 2009, 2009, 1-14.	1.1	1
137	Space Dynamics. Mathematical Problems in Engineering, 2009, 2009, 1-7.	1.1	0
138	Transfer orbits to/from the Lagrangian points in the restricted four-body problem. Acta Astronautica, 2008, 63, 1221-1232.	3.2	10
139	Optimization of transfers under constraints on the thrust direction: II. Cosmic Research, 2008, 46, 49-59.	0.6	10
140	Optimization of low-thrust transfers in the three body problem. Cosmic Research, 2008, 46, 413-424.	0.6	3
141	Sphere of influence and gravitational capture radius: a dynamical approach. Monthly Notices of the Royal Astronomical Society, 2008, 391, 675-684.	4.4	34
142	Third-Body Perturbation in the Case of Elliptic Orbits for the Disturbing Body. Mathematical Problems in Engineering, 2008, 2008, 1-14.	1.1	51
143	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
144	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

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145	Third-Body Perturbation Using a Single Averaged Model: Application in Nonsingular Variables. Mathematical Problems in Engineering, 2007, 2007, 1-14.	1.1	7
146	Orbital Maneuvers Using Low Thrust to Place a Satellite in a Constellation. Mathematical Problems in Engineering, 2007, 2007, 1-9.	1.1	1
147	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
148	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
149	An analytical study of the powered swing-by to perform orbital maneuvers. Advances in Space Research, 2007, 40, 102-112.	2.6	21
150	Optimization of transfers under constraints on the thrust direction: I. Cosmic Research, 2007, 45, 417-423.	0.6	9
151	A comparison of the "patched-conics approach" and the restricted problem for swing-bys. Advances in Space Research, 2007, 40, 113-117.	2.6	36
152	A study of trajectories to the Neptune system using gravity assists. Advances in Space Research, 2007, 40, 125-133.	2.6	6
153	Study of the gravitational capture in the elliptical restricted three-body problem. Journal of the Astronautical Sciences, 2006, 54, 567-582.	1.5	14
154	Analysis of trajectories to neptune using gravity assists. Journal of the Astronautical Sciences, 2006, 54, 583-593.	1.5	1
155	Changing inclination of earth satellites using the gravity of the moon. Mathematical Problems in Engineering, 2006, 2006, 1-13.	1.1	4
156	On the scattering of comets by a planet. Advances in Space Research, 2006, 37, 169-173.	2.6	0
157	Gravitational Capture by the Major Primary in the Restricted Four-Body Problem. , 2006, , .		0
158	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
159	Planar close encounter trajectories for spacecrafts passing near Jupiter. Advances in Space Research, 2005, 36, 561-568.	2.6	4
160	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
161	Numerical and analytical study of the gravitational capture in the bicircular problem. Advances in Space Research, 2005, 36, 578-584.	2.6	27
162	The use of consecutive collision orbits to obtain , 2005, , .		0

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163	Further Applications of the Smallest Loss Criterio.... , 2005, , .		2
164	A Modification of the Method of Transporting Trajectory. Cosmic Research, 2004, 42, 103-108.	0.6	3
165	Debris perturbed by radiation pressure: relative velocities across circular orbits. Advances in Space Research, 2004, 34, 1177-1180.	2.6	5
166	Trajectory selection for a spacecraft performing a two-dimensional swing-by. Advances in Space Research, 2004, 34, 2256-2261.	2.6	9
167	Lambert problem solution in the hill model of motion. Celestial Mechanics and Dynamical Astronomy, 2004, 90, 331-354.	1.4	19
168	Orbital maneuvers using gravitational capture times. Advances in Space Research, 2003, 31, 2005-2010.	2.6	4
169	Single frequency GPS measurements in real-time artificial satellite orbit determination. Acta Astronautica, 2003, 53, 123-133.	3.2	24
170	Third-Body Perturbation in Orbits Around Natural Satellites. Journal of Guidance, Control, and Dynamics, 2003, 26, 33-40.	2.8	86
171	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
172	Optimal space manoeuvres in a non-Keplerian force field. Advances in Space Research, 2002, 30, 345-350.	2.6	4
173	An Analytical and Numerical Study of Plane Change Maneuvers Using Aerodynamic Force. Journal of the Astronautical Sciences, 2002, 50, 289-303.	1.5	2
174	10.1007/s10604-008-1007-1. Time To Knit, 2000, 1, .	0.1	1
175	Classification of Out-of-Plane Swing-By Trajectories. Journal of Guidance, Control, and Dynamics, 1999, 22, 643-649.	2.8	19
176	Time-of-Flight Analyses for the Gravitational Capture Maneuver. Journal of Guidance, Control, and Dynamics, 1998, 21, 122-126.	2.8	23
177	Close-Approach Trajectories in the Elliptic Restricted Problem. Journal of Guidance, Control, and Dynamics, 1997, 20, 797-802.	2.8	45
178	Powered swingby. Journal of Guidance, Control, and Dynamics, 1996, 19, 1142-1147.	2.8	60
179	Traveling between the Lagrangian points and the Earth. Acta Astronautica, 1996, 39, 483-486.	3.2	32
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