John L Junkins

List of Publications by Year
in descending order

180 papers	7,098 citations	71061 41 h-index	102432 66 g-index
189 all docs	189 docs citations	189 times ranked	2152 citing authors

#	Article	IF	Citations
1	Adaptive Output Feedback Control for Spacecraft Rendezvous and Docking Under Measurement Uncertainty. Journal of Guidance, Control, and Dynamics, 2006, 29, 892-902.	1.6	258
2	Kalman Filtering for Relative Spacecraft Attitude and Position Estimation. Journal of Guidance, Control, and Dynamics, 2007, 30, 133-143.	1.6	249
3	Spacecraft Formation Flying Control Using Mean Orbit Elements. Journal of the Astronautical Sciences, 2000, 48, 69-87.	0.8	204
4	Feedback Control Law for Variable Speed Control Moment Gyros. Journal of the Astronautical Sciences, 1998, 46, 307-328.	0.8	161
5	The Pyramid Star Identification Technique. Navigation, Journal of the Institute of Navigation, 2004, 51, 171-183.	1.7	160
6	Vision-Based Sensor and Navigation System for Autonomous Air Refueling. Journal of Guidance, Control, and Dynamics, 2005, 28, 979-989.	1.6	151
7	Near-minimum-time control of distributed parameter systems - Analytical and experimental results. Journal of Guidance, Control, and Dynamics, 1991, 14, 406-415.	1.6	140
8	Active control technology for large space structures. Journal of Guidance, Control, and Dynamics, 1993, 16, 801-821.	1.6	133
9	Adaptive Control of Nonlinear Attitude Motions Realizing Linear Closed Loop Dynamics. Journal of Guidance, Control, and Dynamics, 2001, 24, 95-100.	1.6	127
10	Singularity Avoidance Using Null Motion and Variable-Speed Control Moment Gyros. Journal of Guidance, Control, and Dynamics, 2000, 23, 11-16.	1.6	112
11	Optimal Large-Angle Single-Axis Rotational Maneuvers of Flexible Spacecraft. Journal of Guidance and Control, 1980, 3, 578-585.	0.7	99
12	Nonlinear Adaptive Control of Spacecraft Maneuvers. Journal of Guidance, Control, and Dynamics, 1997, 20, 1104-1110.	1.6	97
13	Generic Smoothing for Optimal Bang-Off-Bang Spacecraft Maneuvers. Journal of Guidance, Control, and Dynamics, 2018, 41, 2470-2475.	1.6	96
14	Robust eigensystem assignment for flexible structures. Journal of Guidance, Control, and Dynamics, 1989, 12, 381-387.	1.6	87
15	Minimum model error estimation for poorly modeled dynamic systems. Journal of Guidance, Control, and Dynamics, 1988, 11, 256-261.	1.6	83
16	Eigenvalue optimization algorithms for structure/controller design iterations. Journal of Guidance, Control, and Dynamics, 1985, 8, 697-706.	1.6	79
17	How Nonlinear Is It? A Tutorial on Nonlinearity of Orbit and Attitude Dynamics. Journal of the Astronautical Sciences, 2004, 52, 7-60.	0.8	78
18	Eigenstructure Assignment Algorithm for Mechanical Second-Order Systems. Journal of Guidance, Control, and Dynamics, 1999, 22, 729-731.	1.6	71

#	Article	IF	Citations
19	Optimal nonlinear feedback control for spacecraft attitude maneuvers. Journal of Guidance, Control, and Dynamics, 1986, 9, 99-107.	1.6	69
20	Near-minimum time, closed-loop slewing of flexible spacecraft. Journal of Guidance, Control, and Dynamics, 1990, 13, 57-65.	1.6	68
21	Measure of controllability for actuator placement. Journal of Guidance, Control, and Dynamics, 1991, 14, 895-902.	1.6	66
22	Recursive mode star identification algorithms. IEEE Transactions on Aerospace and Electronic Systems, 2005, 41, 1246-1254.	2.6	65
23	New Results for Time-Optimal Three-Axis Reorientation of a Rigid Spacecraft. Journal of Guidance, Control, and Dynamics, 2009, 32, 1071-1076.	1.6	64
24	Robustness optimization of structural and controller parameters. Journal of Guidance, Control, and Dynamics, 1989, 12, 89-96.	1.6	62
25	Exploration of Alternative State Vector Choices for Low-Thrust Trajectory Optimization. Journal of Guidance, Control, and Dynamics, 2019, 42, 47-64.	1.6	62
26	Near-minimum time open-loop slewing of flexible vehicles. Journal of Guidance, Control, and Dynamics, 1989, 12, 82-88.	1.6	61
27	Re-examination of eigenvector derivatives. Journal of Guidance, Control, and Dynamics, 1987, 10, 581-587.	1.6	58
28	Principal rotation representations of proper N Ã— N orthogonal matrices. International Journal of Engineering Science, 1995, 33, 2277-2295.	2.7	58
29	A vision-based DSP embedded navigation sensor. IEEE Sensors Journal, 2002, 2, 428-442.	2.4	58
30	A weighting function approach to modeling of irregular surfaces. Journal of Geophysical Research, 1973, 78, 1794-1803.	3.3	57
31	Lyapunov Optimal Saturated Control for Nonlinear Systems. Journal of Guidance, Control, and Dynamics, 1997, 20, 1083-1088.	1.6	56
32	Optimal Attitude and Position Determination from Line-of-Sight Measurements. Journal of the Astronautical Sciences, 2000, 48, 391-408.	0.8	56
33	Higher-Order Cayley Transforms with Applications to Attitude Representations. Journal of Guidance, Control, and Dynamics, 1997, 20, 528-534.	1.6	53
34	Maneuver and vibration control of hybrid coordinate systems using Lyapunov stability theory. Journal of Guidance, Control, and Dynamics, 1993, 16, 668-676.	1.6	52
35	von Karman Lecture: Adventures on the Interface of Dynamics and Control. Journal of Guidance, Control, and Dynamics, 1997, 20, 1058-1071.	1.6	48
36	Robust eigenstructure assignment by a projection method - Applications using multiple optimization criteria. Journal of Guidance, Control, and Dynamics, 1989, 12, 396-403.	1.6	47

#	Article	IF	Citations
37	Observer/Kalman-Filter Time-Varying System Identification. Journal of Guidance, Control, and Dynamics, 2010, 33, 887-900.	1.6	46
38	An Instantaneous Eigenstructure Quasivelocity Formulation for Nonlinear Multibody Dynamics. Journal of the Astronautical Sciences, 1997, 45, 279-295.	0.8	46
39	A high order method for estimation of dynamic systems. Journal of the Astronautical Sciences, 2008, 56, 401-440.	0.8	45
40	The partition of unity finite element approach with hp-refinement for the stationary Fokkerâ€"Planck equation. Journal of Sound and Vibration, 2009, 327, 144-162.	2.1	44
41	Time-Varying Eigensystem Realization Algorithm. Journal of Guidance, Control, and Dynamics, 2010, 33, 13-28.	1.6	44
42	Investigation of Finite-Element Representations of the Geopotential. AIAA Journal, 1976, 14, 803-808.	1.5	42
43	New Penalty Functions and Optimal Control Formulation for Spacecraft Attitude Control Problems. Journal of Guidance, Control, and Dynamics, 1997, 20, 428-434.	1.6	42
44	A semianalytic meshless approach to the transient Fokkerâ€"Planck equation. Probabilistic Engineering Mechanics, 2010, 25, 323-331.	1.3	39
45	Robust nonlinear least squares estimation using the Chow-Yorke homotopy method. Journal of Guidance, Control, and Dynamics, 1984, 7, 752-755.	1.6	38
46	The gravity-perturbed Lambert problem: A KS variation of parameters approach. Celestial Mechanics, 1981, 24, 3-21.	0.1	37
47	Modified Chebyshev-Picard Iteration Methods for Orbit Propagation. Journal of the Astronautical Sciences, 2011, 58, 583-613.	0.8	36
48	How Many Impulses Redux. Journal of the Astronautical Sciences, 2020, 67, 257-334.	0.8	35
49	New results on the optimal spacecraft attitude maneuver problem. Journal of Guidance, Control, and Dynamics, 1984, 7, 378-380.	1.6	34
50	New Solutions for the Perturbed Lambert Problem Using Regularization and Picard Iteration. Journal of Guidance, Control, and Dynamics, 2015, 38, 1548-1562.	1.6	34
51	Equivalence of the Minimum Norm and Gradient Projection Constrained Optimization Techniques. AIAA Journal, 1972, 10, 927-929.	1.5	33
52	Explicit generalization of Lagrange's equations for hybrid coordinate dynamical systems. Journal of Guidance, Control, and Dynamics, 1992, 15, 1443-1452.	1.6	33
53	A novel approach for optimal trajectory design with multiple operation modes of propulsion system, part 1. Acta Astronautica, 2020, 172, 151-165.	1.7	30
54	Nondimensional star identification for uncalibrated star cameras. Journal of the Astronautical Sciences, 2006, 54, 95-111.	0.8	29

#	ARTICLE	IF	CITATIONS
55	Eclipse-Conscious Transfer to Lunar Gateway Using Ephemeris-Driven Terminal Coast Arcs. Journal of Guidance, Control, and Dynamics, 2021, 44, 1972-1988.	1.6	29
56	Perturbation formulations for satellite attitude dynamics. Celestial Mechanics, 1976, 13, 39-64.	0.1	28
57	Adaptive Realization of Linear Closed-Loop Tracking Dynamics in the Presence of Large System Model Errors. Journal of the Astronautical Sciences, 2000, 48, 537-551.	0.8	28
58	An Efficient and Robust Singular Value Method for Star Pattern Recognition and Attitude Determination. Journal of the Astronautical Sciences, 2004, 52, 211-220.	0.8	28
59	Identification of vibrating flexible structures. Journal of Guidance, Control, and Dynamics, 1985, 8, 463-470.	1.6	27
60	Direction-Dependent Learning Approach for Radial Basis Function Networks. IEEE Transactions on Neural Networks, 2007, 18, 203-222.	4.8	27
61	Modified Chebyshev-Picard Iteration Methods for Solution of Boundary Value Problems. Journal of the Astronautical Sciences, 2011, 58, 615-642.	0.8	26
62	Predictive Centroiding for Star Trackers with the Effect of Image Smear. Journal of the Astronautical Sciences, 2002, 50, 113-123.	0.8	25
63	Invariant set analysis of the hub-appendage problem. Journal of Guidance, Control, and Dynamics, 1993, 16, 1191-1193.	1.6	23
64	An analytical approach to star identification reliability. Acta Astronautica, 2010, 66, 508-515.	1.7	23
65	Attitude Error Kinematics. Journal of Guidance, Control, and Dynamics, 2014, 37, 330-336.	1.6	23
66	A sequential linear optimization approach for controller design. Journal of Guidance, Control, and Dynamics, 1986, 9, 699-703.	1.6	22
67	Picard Iteration, Chebyshev Polynomials and Chebyshev-Picard Methods: Application in Astrodynamics. Journal of the Astronautical Sciences, 2013, 60, 623-653.	0.8	22
68	Local Representation of the Geopotential by Weighted Orthonormal Polynomials. Journal of Guidance and Control, 1980, 3, 55-61.	0.7	21
69	Time-Optimal Magnetic Attitude Maneuvers. Journal of Guidance and Control, 1981, 4, 363-368.	0.7	21
70	Application of the Cayley Form to General Spacecraft Motion. Journal of Guidance, Control, and Dynamics, 2006, 29, 368-373.	1.6	20
71	A perturbation method for estimation of dynamic systems. Nonlinear Dynamics, 2010, 60, 303-325.	2.7	20
72	A composite framework for co-optimization of spacecraft trajectory and propulsion system. Acta Astronautica, 2021, 178, 773-782.	1.7	20

#	ARTICLE	IF	CITATIONS
73	Costate mapping for indirect trajectory optimization. Astrodynamics, 2021, 5, 359-371.	1.5	20
74	The Partition of Unity Finite Element Approach to the Stationary Fokker-Planck Equation. , 2006, , .		18
75	Modified Chebyshev-Picard Iteration Methods for Solution of Initial Value Problems. Journal of the Astronautical Sciences, 2012, 59, 327-351.	0.8	18
76	Exploiting manifolds of L_1 halo orbits for end-to-end Earth–Moon low-thrust trajectory design. Acta Astronautica, 2021, 183, 255-272.	1.7	18
77	Modeling inndimensions using a weighting function approach. Journal of Geophysical Research, 1974, 79, 3361-3366.	3.3	17
78	State Transition Matrix for Perturbed Orbital Motion Using Modified Chebyshev Picard Iteration. Journal of the Astronautical Sciences, 2015, 62, 148-167.	0.8	17
79	Efficient Computation of Optimal Low Thrust Gravity Perturbed Orbit Transfers. Journal of the Astronautical Sciences, 2020, 67, 458-484.	0.8	17
80	Feasibility of quasi-frozen, near-polar and extremely low-altitude lunar orbits. Acta Astronautica, 2020, 166, 450-468.	1.7	17
81	Electric thruster mode-pruning strategies for trajectory-propulsion co-optimization. Aerospace Science and Technology, 2021, 116, 106828.	2.5	17
82	Eigenvector derivatives for mechanical second-order systems. Journal of Guidance, Control, and Dynamics, 1995, 18, 899-906.	1.6	16
83	Linear Feedback Control Using Quasi Velocities. Journal of Guidance, Control, and Dynamics, 2006, 29, 1309-1314.	1.6	16
84	Multiple Revolution Solutions for the Perturbed Lambert Problem using the Method of Particular Solutions and Picard Iteration. Journal of the Astronautical Sciences, 2017, 64, 361-378.	0.8	16
85	Nonlinear Differential Equation Solvers via Adaptive Picard–Chebyshev Iteration: Applications in Astrodynamics. Journal of Guidance, Control, and Dynamics, 2019, 42, 1007-1022.	1.6	16
86	A novel approach for optimal trajectory design with multiple operation modes of propulsion system, part 2. Acta Astronautica, 2020, 172, 166-179.	1.7	16
87	Low-Thrust Gravity-Assist Trajectory Design Using Optimal Multimode Propulsion Models. Journal of Guidance, Control, and Dynamics, 2021, 44, 1280-1294.	1.6	16
88	Optimal Trajectory Planning for Mobile Robots using Jacobian Elliptic Functions. International Journal of Robotics Research, 1997, 16, 826-839.	5.8	15
89	Structured Model Reference Adaptive Control for a Wing Section with Structural Nonlinearity. JVC/Journal of Vibration and Control, 2002, 8, 553-573.	1.5	15
90	Kalman Filter for Linear Fractional Order Systems. Journal of Guidance, Control, and Dynamics, 2012, 35, 1816-1827.	1.6	15

#	Article	IF	Citations
91	Structured model reference adaptive control with actuator saturation limits. , 1998, , .		14
92	Optimal Actuator Failure Control Using a Homotopy Method. Journal of Guidance, Control, and Dynamics, 2015, 38, 623-630.	1.6	14
93	Perturbation methods based upon varying action integrals. International Journal of Non-Linear Mechanics, 1983, 18, 335-351.	1.4	13
94	Structured adaptive model inversion applied to tracking aggressive aircraft maneuvers. , 2001, , .		13
95	Identification method for lightly damped structures. Journal of Guidance, Control, and Dynamics, 1988, 11, 571-576.	1.6	12
96	Modified Chebyshev-Picard Iteration Methods for Station-Keeping of Translunar Halo Orbits. Mathematical Problems in Engineering, 2012, 2012, 1-18.	0.6	12
97	Application of Modified Chebyshev Picard Iteration to Differential Correction for Improved Robustness and Computation Time. Journal of the Astronautical Sciences, 2017, 64, 267-284.	0.8	12
98	Low-Thrust Transfers to Southern $$L_2$$ Near-Rectilinear Halo Orbits Facilitated by Invariant Manifolds. Journal of Optimization Theory and Applications, 2021, 191, 517-544.	0.8	12
99	Automatic Generation and Integration of Equations of Motion for Flexible Multibody Dynamical Systems. Journal of the Astronautical Sciences, 2005, 53, 251-279.	0.8	11
100	Validation of Finite-Dimensional Approximate Solutions for Dynamics of Distributed-Parameter Systems. Journal of Guidance, Control, and Dynamics, 1995, 18, 87-95.	1.6	10
101	Optimal Near-Minimum-Time Control. Journal of Guidance, Control, and Dynamics, 1998, 21, 172-174.	1.6	10
102	Aerospace Vehicle Motion Emulation Using Omni-Directional Mobile Platform. , 2007, , .		10
103	Motion planning in uncertain environments with vision-like sensors. Automatica, 2007, 43, 2104-2111.	3.0	10
104	Time-Varying Deadbeat Controller Design. Journal of Guidance, Control, and Dynamics, 2012, 35, 284-295.	1.6	10
105	Efficient and Adaptive Orthogonal Finite Element Representation of the Geopotential. Journal of the Astronautical Sciences, 2017, 64, 118-155.	0.8	10
106	Unified Lambert Tool for Massively Parallel Applications in Space Situational Awareness. Journal of the Astronautical Sciences, 2018, 65, 29-45.	0.8	10
107	Robust eigensystem assignment for flexible structures. , 1987, , .		9
108	Low-authority eigenvalue placement for second-order structural systems. Journal of Guidance, Control, and Dynamics, 1991, 14, 698-701.	1.6	9

#	Article	IF	Citations
109	Dynamic Analysis and Control of a Stewart Platform Using A Novel Automatic Differentiation Method. , 2006, , .		9
110	A homotopic approach to domain determination and solution refinement for the stationary Fokkerâ€"Planck equation. Probabilistic Engineering Mechanics, 2009, 24, 265-277.	1.3	9
111	Bang-bang Control Design by Combing Pseudospectral Method with a novel Homotopy Algorithm. , 2009, , .		9
112	Considering Measurement Model Parameter Errors in Static and Dynamic Systems. Journal of the Astronautical Sciences, 2011, 58, 461-478.	0.8	9
113	Compass star tracker for GPS-like applications. IEEE Transactions on Aerospace and Electronic Systems, 2008, 44, 1629-1634.	2.6	8
114	Odometry and calibration methods for multi-castor vehicles. , 2008, , .		8
115	Solution of Two-Point Boundary-Value Problems Using Lagrange Implicit Function Theorem. Journal of Guidance, Control, and Dynamics, 2009, 32, 1684-1687.	1.6	8
116	Probability of collision between space objects including model uncertainty. Acta Astronautica, 2019, 155, 462-471.	1.7	8
117	Orbital mission analysis for a lunar mapping satellite. , 1994, , .		7
118	Orthogonal Square Root Eigenfactor Parameterization of Mass Matrices. Journal of Guidance, Control, and Dynamics, 1997, 20, 1118-1124.	1.6	7
119	An Investigation of State Feedback Gain Sensitivity Calculations. , 2010, , .		7
120	A Survey of Attitude Error Representations. , 2012, , .		7
121	A New Method for Space Objects Probability of Collision. , 2016, , .		7
122	A novel analytic continuation power series solution for the perturbed two-body problem. Celestial Mechanics and Dynamical Astronomy, 2019, 131, 1.	0.5	7
123	Accuracy and Efficiency Comparison of Six Numerical Integrators for Propagating Perturbed Orbits. Journal of the Astronautical Sciences, 2020, 67, 511-538.	0.8	7
124	Some Applications of Automatic Differentiation to Rigid, Flexible, and Constrained Multibody Dynamics. , 2005, , .		7
125	Structured Model Reference Adaptive Control for a Class of Nonlinear Systems. Journal of Guidance, Control, and Dynamics, 2003, 26, 551-557.	1.6	6
126	Robust Control of Redundantly Actuated Dynamical Systems. , 2006, , .		6

#	Article	IF	Citations
127	Generalizations and Applications of the Lagrange Implicit Function Theorem. Journal of the Astronautical Sciences, 2009, 57, 313-345.	0.8	6
128	Analytic Transfer Functions for the Dynamics & Control of Flexible Rotating Spacecraft Performing Large Angle Maneuvers. Journal of the Astronautical Sciences, 2015, 62, 168-195.	0.8	6
129	Non-linear adaptive auto-pilot for uninhabited aerial combat vehicles. , 1999, , .		5
130	Jth Moment Extended Kalman Filtering for Estimation of Nonlinear Dynamic Systems. , 2008, , .		5
131	Construction of Benchmark Problems for Solution of Ordinary Differential Equations. Shock and Vibration, 1994, 1, 403-414.	0.3	4
132	Adaptive realization of desired constraint stabilization dynamics in the control of multibody systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 2231-2249.	1.6	4
133	Attitude and interlock angle estimation using split-field-of-view star tracker. Journal of the Astronautical Sciences, 2007, 55, 85-105.	0.8	4
134	Stellar Positioning System (Part II): Improving Accuracy During Implementation. Navigation, Journal of the Institute of Navigation, 2010, 57, 13-24.	1.7	4
135	Tuning Orthogonal Polynomial Degree and Segment Interval Length to Achieve Prescribed Precision Approximation of Irregular Functions. , 2018, , .		4
136	Near-Minimum-Time Control of Smart Structures for Slew Maneuver. Journal of the Astronautical Sciences, 1997, 45, 91-111.	0.8	4
137	Finite-time matrix convolution integral sensitivity calculations. Journal of Guidance, Control, and Dynamics, 1988, 11, 473-475.	1.6	3
138	A minimum sensitivity design method for output feedback controllers. , 1990, , .		3
139	Investigations on the Use of the Cayley Form for Feedback Controller Design. , 2004, , .		3
140	Intelligent Multi-Resolution Modeling: Application to Synthetic Jet Actuation and Flow Control. , 2004, , .		3
141	A Hierarchical Control Distribution Approach for Large Scale Over Actuated Systems. Proceedings of the American Control Conference, 2007, , .	0.0	3
142	Hierarchical Multi-Rate Measurement Fusion in Estimation of Dynamical Systems. , 2007, , .		3
143	Stellar Positioning System Part II: Overcoming Error During Implementation. , 2008, , .		3
144	Characterization and Implementation of a Vision-Based 6-DOF Localization System. , 2008, , .		3

#	Article	IF	Citations
145	Rapid accessibility evaluation for ballistic lunar capture via manifolds: A Gaussian process regression application. Astrodynamics, 2022, 6, 375-397.	1.5	3
146	<title>Neural-network-based control of large structures</title>. , 1993, 1917, 895.		2
147	<title>Optimal slewing and vibration control of smart structures</title>. , 1995, , .		2
148	New attitude penalty functions for spacecraft optimal control problems. , 1996, , .		2
149	Nonlinearity index of the cayley form. Journal of the Astronautical Sciences, 2006, 54, 619-634.	0.8	2
150	A Homotopic Approach to Domain Determination and Solution Refinement for the Fokker-Planck Equation. Proceedings of the American Control Conference, 2007, , .	0.0	2
151	A semianalytic meshless approach to the Fokker-Planck equation with application to hybrid systems. , 2007, , .		2
152	Mobile Robotic System for Ground-Testing of Multi-Spacecraft Proximity Operations. , 2008, , .		2
153	Computational Nonlinear Stochastic Control. Journal of Guidance, Control, and Dynamics, 2009, 32, 1050-1055.	1.6	2
154	LandingNav: a precision autonomous landing sensor for robotic platforms on planetary bodies. Proceedings of SPIE, 2010, , .	0.8	2
155	Universal Algorithm for Inverting the Cartesian to Geodetic Transformation. Journal of the Astronautical Sciences, 2011, 58, 429-443.	0.8	2
156	Modeling, Control and Simulation of a Novel Mobile Robotic System. Lecture Notes in Electrical Engineering, 2009, , 451-464.	0.3	2
157	Identification of large structures on orbit. Acta Astronautica, 1989, 20, 21-27.	1.7	1
158	Higher order Cayley transforms with applications to attitude representations. , 1996, , .		1
159	Distributed Hingeless Flow Control and Rotary Synthetic Jet Actuation. , 2004, , .		1
160	Dynamics and Control of a Ground Effect Transportation System. Proceedings of the American Control Conference, 2007, , .	0.0	1
161	Minimum distance and optimal transformations on SO(N). Nonlinear Dynamics, 2008, 54, 181-187.	2.7	1
162	A complex exponential solution to the unified two-body problem. Celestial Mechanics and Dynamical Astronomy, 2009, 104, 355-368.	0.5	1

#	Article	IF	Citations
163	Characterizing and Calibrating the Novel PhaseSpace Camera System. , 2011, , .		1
164	Dynamics and Controls of a Generalized Frequency Domain Model Flexible Rotating Spacecraft. , 2014, , .		1
165	Multisegment Scheme Applications to Modified Chebyshev Picard Iteration Method for Highly Elliptical Orbits. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	1
166	New Solutions for the Perturbed Lambert Problem Using Regularization and Picard Iteration. Journal of Guidance, Control, and Dynamics, 2017, 40, 731-732.	1.6	1
167	Spacecraft Payload Maximization Using Realistic Multi-Mode Models of Electric Propulsion Systems. , 2021, , .		1
168	Optimal Bi-Impulse Orbital Transfers: Station Keeping Applications. Journal of Guidance, Control, and Dynamics, 0, , 1-10.	1.6	1
169	Maneuver and vibration control of nonlinear hybrid coordinate systems using Liapunov stability theory. , 1992, , .		1
170	Micro Star Tracker and Attitude Determination System. Space Technology Proceedings, 2000, , 209-216.	0.1	1
171	Recursive Attitude Prediction. Journal of the Astronautical Sciences, 2000, 48, 409-421.	0.8	1
172	<title>Laser scanning graphic input system</title>. , 1993, , .		0
173	<title>Laser scanning graphic system for multimedia podium presentations</title>. , 1997, , .		0
174	Linear Feedback Control Using Quasi Velocities. , 2006, , .		0
175	Relative Motion Emulating Robotic System as a Test Bed for Aerial Refueling Using VISNAV and Mobile Stewart Platforms. , 2007, , 41.		0
176	Model Verification and Validation of a Mobile Robot System for 6-DOF Motion Emulation. , 2008, , .		0
177	Adaptation and Cooperation in Control of Multiple Robot Manipulators. Journal of the Astronautical Sciences, 2000, 48, 305-336.	0.8	0
178	Parameter Estimation: Applications. Mechanics: Dynamical Systems, 1978, , 69-133.	0.2	0
179	An Invariant Set Analysis of the Hub-Appendage Problem. , 1993, , .		0
180	Analytical Radial Adaptive Method for Spherical Harmonic Gravity Models. Journal of the Astronautical Sciences, 0, , .	0.8	0