

# John L Junkins

## List of Publications by Year in descending order

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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	Rapid accessibility evaluation for ballistic lunar capture via manifolds: A Gaussian process regression application. <i>Astrodynamics</i> , 2022, 6, 375-397.	1.5	3
2	A composite framework for co-optimization of spacecraft trajectory and propulsion system. <i>Acta Astronautica</i> , 2021, 178, 773-782.	1.7	20
3	Spacecraft Payload Maximization Using Realistic Multi-Mode Models of Electric Propulsion Systems. , 2021, , .		1
4	Eclipse-Conscious Transfer to Lunar Gateway Using Ephemeris-Driven Terminal Coast Arcs. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 1972-1988.	1.6	29
5	Exploiting manifolds of $L_1$ halo orbits for end-to-end Earth-Moon low-thrust trajectory design. <i>Acta Astronautica</i> , 2021, 183, 255-272.	1.7	18
6	Low-Thrust Transfers to Southern Near-Rectilinear Halo Orbits Facilitated by Invariant Manifolds. <i>Journal of Optimization Theory and Applications</i> , 2021, 191, 517-544.	0.8	12
7	Low-Thrust Gravity-Assist Trajectory Design Using Optimal Multimode Propulsion Models. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 1280-1294.	1.6	16
8	Electric thruster mode-pruning strategies for trajectory-propulsion co-optimization. <i>Aerospace Science and Technology</i> , 2021, 116, 106828.	2.5	17
9	Costate mapping for indirect trajectory optimization. <i>Astrodynamics</i> , 2021, 5, 359-371.	1.5	20
10	Efficient Computation of Optimal Low Thrust Gravity Perturbed Orbit Transfers. <i>Journal of the Astronautical Sciences</i> , 2020, 67, 458-484.	0.8	17
11	Accuracy and Efficiency Comparison of Six Numerical Integrators for Propagating Perturbed Orbits. <i>Journal of the Astronautical Sciences</i> , 2020, 67, 511-538.	0.8	7
12	Feasibility of quasi-frozen, near-polar and extremely low-altitude lunar orbits. <i>Acta Astronautica</i> , 2020, 166, 450-468.	1.7	17
13	How Many Impulses Redux. <i>Journal of the Astronautical Sciences</i> , 2020, 67, 257-334.	0.8	35
14	A novel approach for optimal trajectory design with multiple operation modes of propulsion system, part 1. <i>Acta Astronautica</i> , 2020, 172, 151-165.	1.7	30
15	A novel approach for optimal trajectory design with multiple operation modes of propulsion system, part 2. <i>Acta Astronautica</i> , 2020, 172, 166-179.	1.7	16
16	A novel analytic continuation power series solution for the perturbed two-body problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2019, 131, 1.	0.5	7
17	Probability of collision between space objects including model uncertainty. <i>Acta Astronautica</i> , 2019, 155, 462-471.	1.7	8
18	Nonlinear Differential Equation Solvers via Adaptive Picard-Chebyshev Iteration: Applications in Astrodynamics. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 1007-1022.	1.6	16

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19	Exploration of Alternative State Vector Choices for Low-Thrust Trajectory Optimization. Journal of Guidance, Control, and Dynamics, 2019, 42, 47-64.	1.6	62
20	Tuning Orthogonal Polynomial Degree and Segment Interval Length to Achieve Prescribed Precision Approximation of Irregular Functions. , 2018, , .		4
21	Generic Smoothing for Optimal Bang-Off-Bang Spacecraft Maneuvers. Journal of Guidance, Control, and Dynamics, 2018, 41, 2470-2475.	1.6	96
22	Unified Lambert Tool for Massively Parallel Applications in Space Situational Awareness. Journal of the Astronautical Sciences, 2018, 65, 29-45.	0.8	10
23	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
24	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
25	Efficient and Adaptive Orthogonal Finite Element Representation of the Geopotential. Journal of the Astronautical Sciences, 2017, 64, 118-155.	0.8	10
26	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
27	A New Method for Space Objects Probability of Collision. , 2016, , .		7
28	State Transition Matrix for Perturbed Orbital Motion Using Modified Chebyshev Picard Iteration. Journal of the Astronautical Sciences, 2015, 62, 148-167.	0.8	17
29	Multisegment Scheme Applications to Modified Chebyshev Picard Iteration Method for Highly Elliptical Orbits. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	1
30	Optimal Actuator Failure Control Using a Homotopy Method. Journal of Guidance, Control, and Dynamics, 2015, 38, 623-630.	1.6	14
31	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
32	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
33	Dynamics and Controls of a Generalized Frequency Domain Model Flexible Rotating Spacecraft. , 2014, , .		1
34	Attitude Error Kinematics. Journal of Guidance, Control, and Dynamics, 2014, 37, 330-336.	1.6	23
35	Picard Iteration, Chebyshev Polynomials and Chebyshev-Picard Methods: Application in Astrodynamics. Journal of the Astronautical Sciences, 2013, 60, 623-653.	0.8	22
36	Modified Chebyshev-Picard Iteration Methods for Station-Keeping of Translunar Halo Orbits. Mathematical Problems in Engineering, 2012, 2012, 1-18.	0.6	12

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37	A Survey of Attitude Error Representations. , 2012, , .		7
38	Modified Chebyshev-Picard Iteration Methods for Solution of Initial Value Problems. Journal of the Astronautical Sciences, 2012, 59, 327-351.	0.8	18
39	Kalman Filter for Linear Fractional Order Systems. Journal of Guidance, Control, and Dynamics, 2012, 35, 1816-1827.	1.6	15
40	Time-Varying Deadbeat Controller Design. Journal of Guidance, Control, and Dynamics, 2012, 35, 284-295.	1.6	10
41	Considering Measurement Model Parameter Errors in Static and Dynamic Systems. Journal of the Astronautical Sciences, 2011, 58, 461-478.	0.8	9
42	Modified Chebyshev-Picard Iteration Methods for Solution of Boundary Value Problems. Journal of the Astronautical Sciences, 2011, 58, 615-642.	0.8	26
43	Universal Algorithm for Inverting the Cartesian to Geodetic Transformation. Journal of the Astronautical Sciences, 2011, 58, 429-443.	0.8	2
44	Modified Chebyshev-Picard Iteration Methods for Orbit Propagation. Journal of the Astronautical Sciences, 2011, 58, 583-613.	0.8	36
45	Characterizing and Calibrating the Novel PhaseSpace Camera System. , 2011, , .		1
46	LandingNav: a precision autonomous landing sensor for robotic platforms on planetary bodies. Proceedings of SPIE, 2010, , .	0.8	2
47	An Investigation of State Feedback Gain Sensitivity Calculations. , 2010, , .		7
48	A semianalytic meshless approach to the transient Fokker-Planck equation. Probabilistic Engineering Mechanics, 2010, 25, 323-331.	1.3	39
49	A perturbation method for estimation of dynamic systems. Nonlinear Dynamics, 2010, 60, 303-325.	2.7	20
50	An analytical approach to star identification reliability. Acta Astronautica, 2010, 66, 508-515.	1.7	23
51	Stellar Positioning System (Part II): Improving Accuracy During Implementation. Navigation, Journal of the Institute of Navigation, 2010, 57, 13-24.	1.7	4
52	Observer/Kalman-Filter Time-Varying System Identification. Journal of Guidance, Control, and Dynamics, 2010, 33, 887-900.	1.6	46
53	Time-Varying Eigensystem Realization Algorithm. Journal of Guidance, Control, and Dynamics, 2010, 33, 13-28.	1.6	44
54	Computational Nonlinear Stochastic Control. Journal of Guidance, Control, and Dynamics, 2009, 32, 1050-1055.	1.6	2

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55	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
56	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
57	A complex exponential solution to the unified two-body problem. Celestial Mechanics and Dynamical Astronomy, 2009, 104, 355-368.	0.5	1
58	The partition of unity finite element approach with hp-refinement for the stationary Fokker-Planck equation. Journal of Sound and Vibration, 2009, 327, 144-162.	2.1	44
59	A homotopic approach to domain determination and solution refinement for the stationary Fokker-Planck equation. Probabilistic Engineering Mechanics, 2009, 24, 265-277.	1.3	9
60	Bang-bang Control Design by Combing Pseudospectral Method with a novel Homotopy Algorithm. , 2009, , .		9
61	Generalizations and Applications of the Lagrange Implicit Function Theorem. Journal of the Astronautical Sciences, 2009, 57, 313-345.	0.8	6
62	Modeling, Control and Simulation of a Novel Mobile Robotic System. Lecture Notes in Electrical Engineering, 2009, , 451-464.	0.3	2
63	Minimum distance and optimal transformations on SO(N). Nonlinear Dynamics, 2008, 54, 181-187.	2.7	1
64	Stellar Positioning System Part II: Overcoming Error During Implementation. , 2008, , .		3
65	Compass star tracker for GPS-like applications. IEEE Transactions on Aerospace and Electronic Systems, 2008, 44, 1629-1634.	2.6	8
66	Model Verification and Validation of a Mobile Robot System for 6-DOF Motion Emulation. , 2008, , .		0
67	Mobile Robotic System for Ground-Testing of Multi-Spacecraft Proximity Operations. , 2008, , .		2
68	Characterization and Implementation of a Vision-Based 6-DOF Localization System. , 2008, , .		3
69	Jth Moment Extended Kalman Filtering for Estimation of Nonlinear Dynamic Systems. , 2008, , .		5
70	A high order method for estimation of dynamic systems. Journal of the Astronautical Sciences, 2008, 56, 401-440.	0.8	45
71	Odometry and calibration methods for multi-castor vehicles. , 2008, , .		8
72	A Hierarchical Control Distribution Approach for Large Scale Over Actuated Systems. Proceedings of the American Control Conference, 2007, , .	0.0	3

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73	Relative Motion Emulating Robotic System as a Test Bed for Aerial Refueling Using VISNAV and Mobile Stewart Platforms. , 2007, , 41.		0
74	A Homotopic Approach to Domain Determination and Solution Refinement for the Fokker-Planck Equation. Proceedings of the American Control Conference, 2007, , .	0.0	2
75	Aerospace Vehicle Motion Emulation Using Omni-Directional Mobile Platform. , 2007, , .		10
76	Hierarchical Multi-Rate Measurement Fusion in Estimation of Dynamical Systems. , 2007, , .		3
77	Kalman Filtering for Relative Spacecraft Attitude and Position Estimation. Journal of Guidance, Control, and Dynamics, 2007, 30, 133-143.	1.6	249
78	Attitude and interlock angle estimation using split-field-of-view star tracker. Journal of the Astronautical Sciences, 2007, 55, 85-105.	0.8	4
79	Direction-Dependent Learning Approach for Radial Basis Function Networks. IEEE Transactions on Neural Networks, 2007, 18, 203-222.	4.8	27
80	Dynamics and Control of a Ground Effect Transportation System. Proceedings of the American Control Conference, 2007, , .	0.0	1
81	A semianalytic meshless approach to the Fokker-Planck equation with application to hybrid systems. , 2007, , .		2
82	Motion planning in uncertain environments with vision-like sensors. Automatica, 2007, 43, 2104-2111.	3.0	10
83	Robust Control of Redundantly Actuated Dynamical Systems. , 2006, , .		6
84	The Partition of Unity Finite Element Approach to the Stationary Fokker-Planck Equation. , 2006, , .		18
85	Dynamic Analysis and Control of a Stewart Platform Using A Novel Automatic Differentiation Method. , 2006, , .		9
86	Linear Feedback Control Using Quasi Velocities. , 2006, , .		0
87	Nondimensional star identification for uncalibrated star cameras. Journal of the Astronautical Sciences, 2006, 54, 95-111.	0.8	29
88	Nonlinearity index of the cayley form. Journal of the Astronautical Sciences, 2006, 54, 619-634.	0.8	2
89	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
90	Linear Feedback Control Using Quasi Velocities. Journal of Guidance, Control, and Dynamics, 2006, 29, 1309-1314.	1.6	16

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91	Application of the Cayley Form to General Spacecraft Motion. Journal of Guidance, Control, and Dynamics, 2006, 29, 368-373.	1.6	20
92	Vision-Based Sensor and Navigation System for Autonomous Air Refueling. Journal of Guidance, Control, and Dynamics, 2005, 28, 979-989.	1.6	151
93	Recursive mode star identification algorithms. IEEE Transactions on Aerospace and Electronic Systems, 2005, 41, 1246-1254.	2.6	65
94	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
95	Some Applications of Automatic Differentiation to Rigid, Flexible, and Constrained Multibody Dynamics. , 2005, , .		7
96	The Pyramid Star Identification Technique. Navigation, Journal of the Institute of Navigation, 2004, 51, 171-183.	1.7	160
97	Distributed Hingeless Flow Control and Rotary Synthetic Jet Actuation. , 2004, , .		1
98	Investigations on the Use of the Cayley Form for Feedback Controller Design. , 2004, , .		3
99	Intelligent Multi-Resolution Modeling: Application to Synthetic Jet Actuation and Flow Control. , 2004, , .		3
100	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
101	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
102	Structured Model Reference Adaptive Control for a Class of Nonlinear Systems. Journal of Guidance, Control, and Dynamics, 2003, 26, 551-557.	1.6	6
103	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
104	A vision-based DSP embedded navigation sensor. IEEE Sensors Journal, 2002, 2, 428-442.	2.4	58
105	Predictive Centroiding for Star Trackers with the Effect of Image Smear. Journal of the Astronautical Sciences, 2002, 50, 113-123.	0.8	25
106	Adaptive Control of Nonlinear Attitude Motions Realizing Linear Closed Loop Dynamics. Journal of Guidance, Control, and Dynamics, 2001, 24, 95-100.	1.6	127
107	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
108	Structured adaptive model inversion applied to tracking aggressive aircraft maneuvers. , 2001, , .		13

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109	Spacecraft Formation Flying Control Using Mean Orbit Elements. Journal of the Astronautical Sciences, 2000, 48, 69-87.	0.8	204
110	Singularity Avoidance Using Null Motion and Variable-Speed Control Moment Gyros. Journal of Guidance, Control, and Dynamics, 2000, 23, 11-16.	1.6	112
111	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
112	Optimal Attitude and Position Determination from Line-of-Sight Measurements. Journal of the Astronautical Sciences, 2000, 48, 391-408.	0.8	56
113	Micro Star Tracker and Attitude Determination System. Space Technology Proceedings, 2000, , 209-216.	0.1	1
114	Adaptation and Cooperation in Control of Multiple Robot Manipulators. Journal of the Astronautical Sciences, 2000, 48, 305-336.	0.8	0
115	Recursive Attitude Prediction. Journal of the Astronautical Sciences, 2000, 48, 409-421.	0.8	1
116	Eigenstructure Assignment Algorithm for Mechanical Second-Order Systems. Journal of Guidance, Control, and Dynamics, 1999, 22, 729-731.	1.6	71
117	Non-linear adaptive auto-pilot for uninhabited aerial combat vehicles. , 1999, , .		5
118	Optimal Near-Minimum-Time Control. Journal of Guidance, Control, and Dynamics, 1998, 21, 172-174.	1.6	10
119	Structured model reference adaptive control with actuator saturation limits. , 1998, , .		14
120	Feedback Control Law for Variable Speed Control Moment Gyros. Journal of the Astronautical Sciences, 1998, 46, 307-328.	0.8	161
121	von Karman Lecture: Adventures on the Interface of Dynamics and Control. Journal of Guidance, Control, and Dynamics, 1997, 20, 1058-1071.	1.6	48
122	Optimal Trajectory Planning for Mobile Robots using Jacobian Elliptic Functions. International Journal of Robotics Research, 1997, 16, 826-839.	5.8	15
123	Higher-Order Cayley Transforms with Applications to Attitude Representations. Journal of Guidance, Control, and Dynamics, 1997, 20, 528-534.	1.6	53
124	Lyapunov Optimal Saturated Control for Nonlinear Systems. Journal of Guidance, Control, and Dynamics, 1997, 20, 1083-1088.	1.6	56
125	Orthogonal Square Root Eigenfactor Parameterization of Mass Matrices. Journal of Guidance, Control, and Dynamics, 1997, 20, 1118-1124.	1.6	7
126	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



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127	Nonlinear Adaptive Control of Spacecraft Maneuvers. Journal of Guidance, Control, and Dynamics, 1997, 20, 1104-1110.	1.6	97
128	<title>Laser scanning graphic system for multimedia podium presentations</title>. , 1997, , .		0
129	Near-Minimum-Time Control of Smart Structures for Slew Maneuver. Journal of the Astronautical Sciences, 1997, 45, 91-111.	0.8	4
130	An Instantaneous Eigenstructure Quasivelocity Formulation for Nonlinear Multibody Dynamics. Journal of the Astronautical Sciences, 1997, 45, 279-295.	0.8	46
131	Higher order Cayley transforms with applications to attitude representations. , 1996, , .		1
132	New attitude penalty functions for spacecraft optimal control problems. , 1996, , .		2
133	<title>Optimal slewing and vibration control of smart structures</title>. , 1995, , .		2
134	Principal rotation representations of proper $N \times N$ orthogonal matrices. International Journal of Engineering Science, 1995, 33, 2277-2295.	2.7	58
135	Eigenvector derivatives for mechanical second-order systems. Journal of Guidance, Control, and Dynamics, 1995, 18, 899-906.	1.6	16
136	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
137	Construction of Benchmark Problems for Solution of Ordinary Differential Equations. Shock and Vibration, 1994, 1, 403-414.	0.3	4
138	Orbital mission analysis for a lunar mapping satellite. , 1994, , .		7
139	Active control technology for large space structures. Journal of Guidance, Control, and Dynamics, 1993, 16, 801-821.	1.6	133
140	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
141	Invariant set analysis of the hub-appendage problem. Journal of Guidance, Control, and Dynamics, 1993, 16, 1191-1193.	1.6	23
142	<title>Neural-network-based control of large structures</title>. , 1993, 1917, 895.		2
143	<title>Laser scanning graphic input system</title>. , 1993, , .		0
144	An Invariant Set Analysis of the Hub-Appendage Problem. , 1993, , .		0

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145	Explicit generalization of Lagrange's equations for hybrid coordinate dynamical systems. Journal of Guidance, Control, and Dynamics, 1992, 15, 1443-1452.	1.6	33
146	Maneuver and vibration control of nonlinear hybrid coordinate systems using Liapunov stability theory. , 1992, , .		1
147	Measure of controllability for actuator placement. Journal of Guidance, Control, and Dynamics, 1991, 14, 895-902.	1.6	66
148	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
149	Low-authority eigenvalue placement for second-order structural systems. Journal of Guidance, Control, and Dynamics, 1991, 14, 698-701.	1.6	9
150	Near-minimum time, closed-loop slewing of flexible spacecraft. Journal of Guidance, Control, and Dynamics, 1990, 13, 57-65.	1.6	68
151	A minimum sensitivity design method for output feedback controllers. , 1990, , .		3
152	Robust eigensystem assignment for flexible structures. Journal of Guidance, Control, and Dynamics, 1989, 12, 381-387.	1.6	87
153	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
154	Identification of large structures on orbit. Acta Astronautica, 1989, 20, 21-27.	1.7	1
155	Near-minimum time open-loop slewing of flexible vehicles. Journal of Guidance, Control, and Dynamics, 1989, 12, 82-88.	1.6	61
156	Robustness optimization of structural and controller parameters. Journal of Guidance, Control, and Dynamics, 1989, 12, 89-96.	1.6	62
157	Identification method for lightly damped structures. Journal of Guidance, Control, and Dynamics, 1988, 11, 571-576.	1.6	12
158	Minimum model error estimation for poorly modeled dynamic systems. Journal of Guidance, Control, and Dynamics, 1988, 11, 256-261.	1.6	83
159	Finite-time matrix convolution integral sensitivity calculations. Journal of Guidance, Control, and Dynamics, 1988, 11, 473-475.	1.6	3
160	Re-examination of eigenvector derivatives. Journal of Guidance, Control, and Dynamics, 1987, 10, 581-587.	1.6	58
161	Robust eigensystem assignment for flexible structures. , 1987, , .		9
162	Optimal nonlinear feedback control for spacecraft attitude maneuvers. Journal of Guidance, Control, and Dynamics, 1986, 9, 99-107.	1.6	69

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163	A sequential linear optimization approach for controller design. Journal of Guidance, Control, and Dynamics, 1986, 9, 699-703.	1.6	22
164	Eigenvalue optimization algorithms for structure/controller design iterations. Journal of Guidance, Control, and Dynamics, 1985, 8, 697-706.	1.6	79
165	Identification of vibrating flexible structures. Journal of Guidance, Control, and Dynamics, 1985, 8, 463-470.	1.6	27
166	Robust nonlinear least squares estimation using the Chow-Yorke homotopy method. Journal of Guidance, Control, and Dynamics, 1984, 7, 752-755.	1.6	38
167	New results on the optimal spacecraft attitude maneuver problem. Journal of Guidance, Control, and Dynamics, 1984, 7, 378-380.	1.6	34
168	Perturbation methods based upon varying action integrals. International Journal of Non-Linear Mechanics, 1983, 18, 335-351.	1.4	13
169	The gravity-perturbed Lambert problem: A KS variation of parameters approach. Celestial Mechanics, 1981, 24, 3-21.	0.1	37
170	Time-Optimal Magnetic Attitude Maneuvers. Journal of Guidance and Control, 1981, 4, 363-368.	0.7	21
171	Optimal Large-Angle Single-Axis Rotational Maneuvers of Flexible Spacecraft. Journal of Guidance and Control, 1980, 3, 578-585.	0.7	99
172	Local Representation of the Geopotential by Weighted Orthonormal Polynomials. Journal of Guidance and Control, 1980, 3, 55-61.	0.7	21
173	Parameter Estimation: Applications. Mechanics: Dynamical Systems, 1978, , 69-133.	0.2	0
174	Perturbation formulations for satellite attitude dynamics. Celestial Mechanics, 1976, 13, 39-64.	0.1	28
175	Investigation of Finite-Element Representations of the Geopotential. AIAA Journal, 1976, 14, 803-808.	1.5	42
176	Modeling inndimensions using a weighting function approach. Journal of Geophysical Research, 1974, 79, 3361-3366.	3.3	17
177	A weighting function approach to modeling of irregular surfaces. Journal of Geophysical Research, 1973, 78, 1794-1803.	3.3	57
178	Equivalence of the Minimum Norm and Gradient Projection Constrained Optimization Techniques. AIAA Journal, 1972, 10, 927-929.	1.5	33
179	Optimal Bi-Impulse Orbital Transfers: Station Keeping Applications. Journal of Guidance, Control, and Dynamics, 0, , 1-10.	1.6	1
180	Analytical Radial Adaptive Method for Spherical Harmonic Gravity Models. Journal of the Astronautical Sciences, 0, , .	0.8	0