

Min-Jea Tahk

List of Publications by Year in descending order

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203
papers

5,939
citations

117625

34
h-index

82547

72
g-index

203
all docs

203
docs citations

203
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact-time-control guidance law for anti-ship missiles. IEEE Transactions on Control Systems Technology, 2006, 14, 260-266.	5.2	533
2	Homing Guidance Law for Cooperative Attack of Multiple Missiles. Journal of Guidance, Control, and Dynamics, 2010, 33, 275-280.	2.8	485
3	Optimal Guidance Laws with Terminal Impact Angle Constraint. Journal of Guidance, Control, and Dynamics, 2005, 28, 724-732.	2.8	432
4	Guidance law to control impact time and angle. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 301-310.	4.7	344
5	Time-to-go weighted optimal guidance with impact angle constraints. IEEE Transactions on Control Systems Technology, 2006, 14, 483-492.	5.2	309
6	Nonsingular Sliding Mode Guidance for Impact Time Control. Journal of Guidance, Control, and Dynamics, 2016, 39, 61-68.	2.8	195
7	Augmented Polynomial Guidance With Impact Time and Angle Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2806-2817.	4.7	150
8	Interception Angle Control Guidance Using Proportional Navigation with Error Feedback. Journal of Guidance, Control, and Dynamics, 2013, 36, 1556-1561.	2.8	143
9	Polynomial Guidance Laws Considering Terminal Impact Angle and Acceleration Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 74-92.	4.7	140
10	Impact-Time-Control Guidance with Generalized Proportional Navigation Based on Nonlinear Formulation. Journal of Guidance, Control, and Dynamics, 2016, 39, 1885-1890.	2.8	139
11	Bias-Shaping Method for Biased Proportional Navigation with Terminal-Angle Constraint. Journal of Guidance, Control, and Dynamics, 2013, 36, 1810-1816.	2.8	134
12	Optimal impact angle control guidance law considering the seeker's field-of-view limits. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 1347-1364.	1.3	116
13	Coevolutionary augmented Lagrangian methods for constrained optimization. IEEE Transactions on Evolutionary Computation, 2000, 4, 114-124.	10.0	110
14	Large angle attitude control of spacecraft with actuator saturation. Control Engineering Practice, 2003, 11, 989-997.	5.5	98
15	Recursive time-to-go estimation for homing guidance missiles. IEEE Transactions on Aerospace and Electronic Systems, 2002, 38, 13-24.	4.7	96
16	UAV collision avoidance based on geometric approach. , 2008, , .		84
17	Optimality of Linear Time-Varying Guidance for Impact Angle Control. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 2802-2817.	4.7	80
18	Range-to-go weighted optimal guidance with impact angle constraint and seeker's look angle limits. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 1241-1256.	4.7	79

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19	Generalized input-estimation technique for tracking maneuvering targets. IEEE Transactions on Aerospace and Electronic Systems, 1999, 35, 1388-1402.	4.7	77
20	Generalized Formulation of Weighted Optimal Guidance Laws with Impact Angle Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1317-1322.	4.7	72
21	Differential Game Based Air Combat Maneuver Generation Using Scoring Function Matrix. International Journal of Aeronautical and Space Sciences, 2016, 17, 204-213.	2.0	69
22	Closed-form optimal guidance law for missiles of time-varying velocity. Journal of Guidance, Control, and Dynamics, 1996, 19, 1017-1022.	2.8	66
23	Line-of-Sight Guidance Laws for Formation Flight. Journal of Guidance, Control, and Dynamics, 2005, 28, 708-716.	2.8	64
24	Acceleration of the convergence speed of evolutionary algorithms using multi-layer neural networks. Engineering Optimization, 2003, 35, 91-102.	2.6	55
25	Impact angle constrained sliding mode guidance against maneuvering target with unknown acceleration. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1310-1323.	4.7	55
26	Impact Time Control Based on Time-to-Go Prediction for Sea-Skimming Antiship Missiles. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2043-2052.	4.7	55
27	Time-to-go Polynomial Guidance with Trajectory Modulation for Observability Enhancement. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 55-73.	4.7	54
28	Biased PNG With Terminal-Angle Constraint for Intercepting Nonmaneuvering Targets Under Physical Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1562-1572.	4.7	52
29	Analytic Solutions of Generalized Impact-Angle-Control Guidance Law for First-Order Lag System. Journal of Guidance, Control, and Dynamics, 2013, 36, 96-112.	2.8	50
30	Implementation of Optimal Guidance Laws Using Predicted Missile Velocity Profiles. Journal of Guidance, Control, and Dynamics, 1999, 22, 579-588.	2.8	43
31	Optimal Stabilization of Takagi-Sugeno Fuzzy Systems with Application to Spacecraft Control. Journal of Guidance, Control, and Dynamics, 2001, 24, 767-777.	2.8	42
32	A new missile guidance algorithm against a maneuvering target. , 1998, , .		41
33	Attitude control of a satellite with redundant thrusters. Aerospace Science and Technology, 2006, 10, 644-651.	4.8	41
34	Roll-Pitch-Yaw Integrated Robust Autopilot Design for a High Angle-of-Attack Missile. Journal of Guidance, Control, and Dynamics, 2009, 32, 1622-1628.	2.8	41
35	Cascade-type guidance law design for multiple-UAV formation keeping. Aerospace Science and Technology, 2011, 15, 431-439.	4.8	38
36	Three-dimensional midcourse guidance using neural networks for interception of ballistic targets. IEEE Transactions on Aerospace and Electronic Systems, 2002, 38, 404-414.	4.7	36

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37	Energy Optimal Waypoint Guidance Synthesis for Antiship Missiles. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 80-95.	4.7	36
38	Indoor UAV Control Using Multi-Camera Visual Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 57-84.	3.4	34
39	Design and Analysis of Optimal Controller for Fuzzy Systems With Input Constraint. IEEE Transactions on Fuzzy Systems, 2004, 12, 766-779.	9.8	33
40	New Design Methodology for Impact Angle Control Guidance for Various Missile and Target Motions. IEEE Transactions on Control Systems Technology, 2018, 26, 2190-2197.	5.2	33
41	Dynamic Modeling and Stabilization Techniques for Tri-Rotor Unmanned Aerial Vehicles. International Journal of Aeronautical and Space Sciences, 2010, 11, 167-174.	2.0	32
42	Short-time stability of proportional navigation guidance loop. IEEE Transactions on Aerospace and Electronic Systems, 1996, 32, 1107-1115.	4.7	31
43	Real-time midcourse guidance with intercept point prediction. Control Engineering Practice, 1998, 6, 957-967.	5.5	30
44	Integrated backstepping design of missile guidance and control with robust disturbance observer. , 2006, , .		30
45	Time-delayed state and unknown input observation. International Journal of Control, 1997, 66, 733-746.	1.9	28
46	Real-time neural-network midcourse guidance. Control Engineering Practice, 2001, 9, 1145-1154.	5.5	25
47	Optical Flow Based Collision Avoidance of Multi-Rotor UAVs in Urban Environments. International Journal of Aeronautical and Space Sciences, 2011, 12, 252-259.	2.0	25
48	Observability analysis and enhancement of radome aberration estimation with line-of-sight angle-only measurement. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3321-3331.	4.7	24
49	Nonlinear Momentum Transfer Control of Spacecraft by Feedback Linearization. Journal of Spacecraft and Rockets, 2002, 39, 866-873.	1.9	22
50	Command Shaping Optimal Guidance Laws Against High-Speed Incoming Targets. Journal of Guidance, Control, and Dynamics, 2015, 38, 2025-2033.	2.8	22
51	Fast adaptive guidance against highly maneuvering targets. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 671-680.	4.7	22
52	Two-Dimensional Trajectory Optimization for Soft Lunar Landing Considering a Landing Site. International Journal of Aeronautical and Space Sciences, 2011, 12, 288-295.	2.0	22
53	A hybrid optimization method of evolutionary and gradient search. Engineering Optimization, 2007, 39, 87-104.	2.6	21
54	Biased PNG Law for Impact-Time Control. Transactions of the Japan Society for Aeronautical and Space Sciences, 2013, 56, 205-214.	0.7	21

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55	Parameter-robust linear quadratic Gaussian technique for multi-agent slung load transportation. Aerospace Science and Technology, 2017, 71, 119-127.	4.8	21
56	Real-time midcourse missile guidance robust against launch conditions. Control Engineering Practice, 1999, 7, 507-515.	5.5	19
57	Guidance Synthesis for Evasive Maneuver of Anti-Ship Missiles Against Close-In Weapon Systems. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1376-1388.	4.7	19
58	Sinusoidal function weighted optimal guidance laws. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 534-542.	1.3	19
59	Augmented Polynomial Guidance with Terminal Speed Constraints for Unpowered Aerial Vehicles. International Journal of Aeronautical and Space Sciences, 2019, 20, 183-194.	2.0	19
60	Airship control using neural network augmented model inversion. , 0, , .		18
61	Guidance Law for Vision-Based Automatic Landing of UAV. International Journal of Aeronautical and Space Sciences, 2007, 8, 46-53.	2.0	18
62	Time-Delay Control for Integrated Missile Guidance and Control. International Journal of Aeronautical and Space Sciences, 2011, 12, 260-265.	2.0	18
63	Impact Angle and Time Control Guidance Under Field-of-View Constraints and Maneuver Limits. International Journal of Aeronautical and Space Sciences, 2018, 19, 217-226.	2.0	17
64	Performance of 3-D PPN Against Arbitrarily Maneuvering Target for Homing Phase. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3878-3891.	4.7	17
65	Neural network guidance based on pursuit-evasion games with enhanced performance. Control Engineering Practice, 2006, 14, 735-742.	5.5	16
66	Optimal UAV formation guidance laws with timing constraint. International Journal of Systems Science, 2006, 37, 415-427.	5.5	16
67	Control design of spinning rockets based on co-evolutionary optimization. Control Engineering Practice, 2001, 9, 149-157.	5.5	15
68	Practical Dual-Control Guidance Using Adaptive Intermittent Maneuver Strategy. Journal of Guidance, Control, and Dynamics, 2001, 24, 1009-1015.	2.8	15
69	Time-to-go Polynomial Guidance Laws with Terminal Impact Angle/Acceleration Constraints. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3915-3919.	0.4	15
70	Analysis of adaptive control using on-line neural networks for a quadrotor UAV. , 2013, , .		14
71	Analytic solutions of optimal angularly constrained guidance for first-order lag system. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 827-837.	1.3	14
72	A new approach to on-board stationkeeping of GEO-satellites. Aerospace Science and Technology, 2005, 9, 722-731.	4.8	13

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73	Design of guidance law for passive homing missile using sliding mode control. , 2010, , .		13
74	Roll-pitch-yaw integrated $\hat{1}/4$ -synthesis for high angle-of-attack missiles. Aerospace Science and Technology, 2012, 23, 270-279.	4.8	13
75	A Hybrid Dynamic Window Approach for Collision Avoidance of VTOL UAVs. International Journal of Aeronautical and Space Sciences, 2018, 19, 889-903.	2.0	13
76	Missile Autopilot Design for Agile Turn Using Time Delay Control with Nonlinear Observer. International Journal of Aeronautical and Space Sciences, 2011, 12, 266-273.	2.0	13
77	Parameter robust control design using bimatix co-evolution algorithms. Engineering Optimization, 2003, 35, 417-426.	2.6	12
78	Guidance algorithms for tactical missiles with strapdown seeker. , 2008, , .		12
79	Low-Order Model for Buzz Oscillations in the Intake of a Ramjet Engine. Journal of Propulsion and Power, 2011, 27, 503-506.	2.2	12
80	Modeling and Experimental Study on the Dynamic Stiffness of an Electromechanical Actuator. Journal of Spacecraft and Rockets, 2016, 53, 708-719.	1.9	12
81	L1 Penalized Sequential Convex Programming for Fast Trajectory Optimization: With Application to Optimal Missile Guidance. International Journal of Aeronautical and Space Sciences, 2020, 21, 493-503.	2.0	12
82	Guidance Law to Control Impact Time and Angle. , 0, , .		11
83	Autonomous waypoint guidance for tilt-rotor unmanned aerial vehicle that has nacelle-fixed auxiliary wings. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 2695-2717.	1.3	11
84	Effects of time-to-go errors on performance of optimal guidance laws. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3270-3281.	4.7	11
85	UAV Conflict Detection and Resolution Based on Geometric Approach. International Journal of Aeronautical and Space Sciences, 2009, 10, 37-45.	2.0	11
86	UAV collision avoidance using probabilistic method in 3-D. , 2007, , .		10
87	Hessian approximation algorithms for hybrid optimization methods. Engineering Optimization, 2009, 41, 609-633.	2.6	10
88	Three-dimensional trajectory optimization of soft lunar landings from the parking orbit with considerations of the landing site. International Journal of Control, Automation and Systems, 2011, 9, 1164-1172.	2.7	10
89	Sensor Alignment Calibration for Precision Attitude Determination of Spacecrafts. International Journal of Aeronautical and Space Sciences, 2004, 5, 83-93.	2.0	10
90	Performance Comparison of Three Different Types of Attitude Control Systems of the Quad-Rotor UAV to Perform Flip Maneuver. International Journal of Aeronautical and Space Sciences, 2013, 14, 58-66.	2.0	10

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91	Missile Autopilot Design for Agile Turn Control During Boost-Phase. International Journal of Aeronautical and Space Sciences, 2011, 12, 365-370.	2.0	9
92	Control-Oriented Model for Intake Shock Position Dynamics in Ramjet Engine. Journal of Propulsion and Power, 2011, 27, 499-502.	2.2	8
93	Intercept Point Prediction of Ballistic Missile Defense Using Neural Network Learning. International Journal of Aeronautical and Space Sciences, 2020, 21, 1092-1104.	2.0	8
94	Observability characteristics of angle-only measurement under proportional navigation. , 0, , .		7
95	A co-evolutionary method for pursuit-evasion games with non-zero lethal radii. Engineering Optimization, 2004, 36, 19-36.	2.6	7
96	High angle of attack missile autopilot design by pole placement approach. , 2010, , .		7
97	Nonlinear missile autopilot design via three loop topology and time-delay adaptation scheme. , 2013, , .		7
98	Optimal Terminal Shock Position Under Disturbances for Ramjet Supercritical Operation. Journal of Propulsion and Power, 2013, 29, 238-248.	2.2	7
99	Modified gain pseudo-measurement filter design for radar target tracking with range rate measurement. , 2017, , .		7
100	A New Collision Control Guidance Law Based on Speed Control for Kill Vehicles. International Journal of Aeronautical and Space Sciences, 2019, 20, 792-805.	2.0	7
101	Trajectory Optimization for a Supersonic Air-Breathing Missile System Using Pseudo-Spectral Method. International Journal of Aeronautical and Space Sciences, 2009, 10, 112-121.	2.0	7
102	Impact Angle Control Guidance Synthesis for Evasive Maneuver against Intercept Missile. International Journal of Aeronautical and Space Sciences, 2017, 18, 719-728.	2.0	7
103	Missile guidance using neural networks. Control Engineering Practice, 1997, 5, 753-762.	5.5	6
104	Suboptimal midcourse guidance for interception of free-fall targets. , 1999, , .		6
105	Station Collocation Design Algorithm for Multiple Geostationary Satellite Operation. Journal of Spacecraft and Rockets, 2003, 40, 889-893.	1.9	6
106	Optimal resource management algorithm for unmanned aerial vehicle missions in hostile territories. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 2157-2167.	1.3	6
107	Sensitivity Analysis on Weight and Trajectory Optimization Results for Multistage Guided Missile. IFAC-PapersOnLine, 2016, 49, 23-27.	0.9	6
108	Guidance scheme for operating multiple ship defense missiles with dual seekers. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 601-614.	1.3	6

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109	A Study on the Micro Gravity Sloshing Modeling of Propellant Quantity Variation. Transportation Research Procedia, 2018, 29, 213-221.	1.5	6
110	Robust Stabilization Technique for the Leader Steering Slung-Load System/Using Sliding Mode Control. International Journal of Aeronautical and Space Sciences, 2018, 19, 932-944.	2.0	6
111	Autopilot Design for Unmanned Combat Aerial Vehicles (UCAVs) via Learning-based Approach. , 2019, , .		6
112	Optimal Threshold of Intermittent Maneuver for Target Observability Improvement. International Journal of Aeronautical and Space Sciences, 2021, 22, 911-922.	2.0	6
113	Development of Flight Control System and Troubleshooting on Flight Test of a Tilt-Rotor Unmanned Aerial Vehicle. International Journal of Aeronautical and Space Sciences, 2016, 17, 120-131.	2.0	6
114	Integrated Simulator of Airborne Multi-function Radar Resource Manager and Environment Model. Journal of the Korean Society for Aeronautical & Space Sciences, 2013, 41, 577-587.	0.1	6
115	Coevolutionary Approaches to Structural Optimization. AIAA Journal, 1999, 37, 1019-1021.	2.6	5
116	New Structure for an Aerodynamic Fin Control System for Tail Fin-Controlled STT Missiles. Journal of Aerospace Engineering, 2011, 24, 505-510.	1.4	5
117	Analytic Solution of Projectile Motion with Quadratic Drag and Unity Thrust. IFAC-PapersOnLine, 2016, 49, 40-45.	0.9	5
118	Stage Optimization of Anti-air Missiles Using Practical Guidance Laws. International Journal of Aeronautical and Space Sciences, 2020, 21, 394-403.	2.0	5
119	Generalized Polynomial Guidance for Terminal Velocity Control of Tactical Ballistic Missiles. International Journal of Aeronautical and Space Sciences, 2021, 22, 163-175.	2.0	5
120	Guidance Synthesis to Control Impact Angle and Time. International Journal of Aeronautical and Space Sciences, 2006, 7, 129-136.	2.0	5
121	Stability Analysis of Missiles with Strapdown Seeker. Journal of the Korean Society for Aeronautical & Space Sciences, 2011, 39, 332-340.	0.1	5
122	Guidance Law for Agile Turn of Air-to-Air Missile During Boost Phase. International Journal of Aeronautical and Space Sciences, 2017, 18, 709-718.	2.0	5
123	A coevolutionary minimax solver and its application to autopilot design. , 1998, , .		4
124	Modified Mendel operation for multimodal function optimization. , 0, , .		4
125	Co-evolutionary computation for constrained min-max problems and its applications for pursuit-evasion games. , 0, , .		4
126	Vision-based long-range target detection using coarse-to-fine particle filter. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 1996-2006.	1.3	4

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127	New trajectory shaping guidance laws for anti-tank guided missile. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 1360-1368.	1.3	4
128	The Inverse Optimal Control Problem for a Three-Loop Missile Autopilot. International Journal of Aeronautical and Space Sciences, 2018, 19, 411-422.	2.0	4
129	Auto-landing guidance for unmanned aerial vehicle with engine flame-out. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4864-4878.	1.3	4
130	Experimental Framework for Controller Design of a Rotorcraft Unmanned Aerial Vehicle Using Multi-Camera System. International Journal of Aeronautical and Space Sciences, 2010, 11, 69-79.	2.0	4
131	Composite Guidance Law for Impact Angle Control of Passive Homing Missiles. Journal of the Korean Society for Aeronautical & Space Sciences, 2014, 42, 20-28.	0.1	4
132	Modeling and Autopilot Design of Blended Wing-Body UAV. International Journal of Aeronautical and Space Sciences, 2008, 9, 121-128.	2.0	4
133	A genetic algorithm with a Mendel operator for global minimization. , 0, , .		3
134	A three-dimensional differential game missile guidance law using neural networks. , 2001, , .		3
135	Co-evolutionary optimization of three-dimensional target evasive maneuver against a proportionally guided missile. , 0, , .		3
136	Missile autopilot design via output redefinition and gain optimization technique. , 2007, , .		3
137	Autonomous flight control system design for a Blended Wing Body. , 2008, , .		3
138	Multiple UAVs tracking algorithm with a multi-camera system. , 2010, , .		3
139	Autopilot design for tilt-rotor unmanned aerial vehicle with nacelle mounted wing extension using single hidden layer perceptron neural network. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 1979-1992.	1.3	3
140	Suboptimal mid-course guidance algorithm for accelerating missiles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 2032-2047.	1.3	3
141	A Collision Geometry-Based Guidance Law for Course-Correction-Projectile. International Journal of Aeronautical and Space Sciences, 2019, 20, 442-458.	2.0	3
142	A New Guidance Algorithm Against High-Speed Maneuvering Target. International Journal of Aeronautical and Space Sciences, 2021, 22, 1170-1182.	2.0	3
143	Integrated Roll-Pitch-Yaw Autopilot Design for Missiles. International Journal of Aeronautical and Space Sciences, 2008, 9, 129-136.	2.0	3
144	A Probabilistic Algorithm for Multi-aircraft Collision Detection and Resolution in 3-D. International Journal of Aeronautical and Space Sciences, 2008, 9, 1-8.	2.0	3

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145	LQC/LTR-PID based Controller Design of UAV Slung-Load Transportation System. Journal of Institute of Control, Robotics and Systems, 2014, 20, 1209-1216.	0.2	3
146	Least Squares Based PID Control of an Electromagnetic Suspension System. International Journal of Aeronautical and Space Sciences, 2003, 4, 69-78.	2.0	3
147	Auto-Landing Guidance System Design for Smart UAV. International Journal of Aeronautical and Space Sciences, 2006, 7, 118-128.	2.0	3
148	Trajectory optimization and control algorithm of longitudinal perch landing assisted by thruster. , 2016, , .		2
149	Dynamic Stiffness Transfer Function of an Electromechanical Actuator Using System Identification. International Journal of Aeronautical and Space Sciences, 2018, 19, 208-216.	2.0	2
150	Performance Improvement of an Unpowered Auto-landing Guidance for UAV Under Steady Wind Conditions. International Journal of Aeronautical and Space Sciences, 2020, 21, 210-223.	2.0	2
151	A New Cooperative Homing Guidance of Anti-ship Missiles for Survivability Enhancement. International Journal of Aeronautical and Space Sciences, 2021, 22, 676-686.	2.0	2
152	Fault Tolerant Flight Control Based on Time Delay Control. Journal of the Korean Society for Aeronautical & Space Sciences, 2005, 33, 54-60.	0.1	2
153	Nonlinear Formation Guidance Law with Robust Disturbance Observer. International Journal of Aeronautical and Space Sciences, 2009, 10, 30-36.	2.0	2
154	Study of Time-to-go Polynomial Guidance Law with Considering Acceleration Limit. Journal of the Korean Society for Aeronautical & Space Sciences, 2010, 38, 774-780.	0.1	2
155	Track-Before-Detect Algorithm for Multiple Target Detection. Journal of the Korean Society for Aeronautical & Space Sciences, 2011, 39, 848-857.	0.1	2
156	Nonlinear Adaptive Velocity Controller Design for an Air-breathing Supersonic Engine. International Journal of Aeronautical and Space Sciences, 2012, 13, 361-368.	2.0	2
157	Nonlinear optimal control of fuzzy systems. , 0, , .		1
158	Effects of side jet on pursuit-evasion games. , 0, , .		1
159	Unmanned autonomous helicopter system design and its flight test. , 2007, , .		1
160	Guidance Law for Formation Flight with Terminal Time Constraint. Transactions of the Japan Society for Aeronautical and Space Sciences, 2014, 57, 40-48.	0.7	1
161	Study on payload stabilization method with the slung-load transportation system using a quad-rotor. , 2015, , .		1
162	Hybrid method for parameter optimization with equality constraints. Engineering Optimization, 2016, 48, 2157-2172.	2.6	1

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163	Experimental study on integrated servo control for canard-controlled missiles [Correspondence]. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 1467-1474.	4.7	1
164	One-versus-one air combat algorithm considering direction of the lift vector. , 2017, , .		1
165	Robustness Improvement for a Three-Loop Missile Autopilot Using Discontinuous State Feedback. International Journal of Aeronautical and Space Sciences, 2018, 19, 661-674.	2.0	1
166	No-Escape Envelope with Field of Regard Constraint using Gradient-Based Direct Method for Pursuit-Evasion Games. International Journal of Aeronautical and Space Sciences, 2018, 19, 675-684.	2.0	1
167	Maneuver Algorithm for Bearings-Only Target Tracking with Acceleration and Field of View Constraints. International Journal of Aeronautical and Space Sciences, 2018, 19, 423-432.	2.0	1
168	Fast Trajectory Optimization using Sequential Convex Programming with No-Fly Zone Constraints. IFAC-PapersOnLine, 2019, 52, 298-303.	0.9	1
169	Pendulum Modeling of Sloshing Motion Using Particle Swarm Optimization. International Journal of Aeronautical and Space Sciences, 2019, 20, 172-182.	2.0	1
170	Robust and Optimal Attitude Control Law Design for Spacecraft with Inertia Uncertainties. International Journal of Aeronautical and Space Sciences, 2002, 3, 1-12.	2.0	1
171	Unmanned Aerial Vehicle Recovery Using a Simultaneous Localization and Mapping Algorithm without the Aid of Global Positioning System. International Journal of Aeronautical and Space Sciences, 2010, 11, 98-109.	2.0	1
172	Perch Landing Assisted by Thruster (PLAT): Concept and Trajectory Optimization. International Journal of Aeronautical and Space Sciences, 2016, 17, 378-390.	2.0	1
173	Modeling and Parameter Identification of the Slung Load System of an Unmanned Rotorcraft using a Flexible Cable. International Journal of Aeronautical and Space Sciences, 2017, 18, 365-377.	2.0	1
174	Scalar Adaptive Kalman Filtering for Stellar Inertia! Attitude Determination. International Journal of Aeronautical and Space Sciences, 2002, 3, 88-94.	2.0	1
175	Controller reduction using a new invariant set. International Journal of Control, 1998, 70, 447-467.	1.9	0
176	Real-Time Midcourse Guidance Robust to Missile Launch Conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 111-115.	0.4	0
177	Robust attitude stabilization of spacecraft using minimal kinematic parameters. , 0, , .		0
178	Flexible Launch Vehicle Attitude Control Design Using Coevolutionary Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 979-984.	0.4	0
179	Light source target design for vision-based blended wing body UAV recovery. , 2008, , .		0
180	Biased PNG with maximal-g barrel-roll for survivability enhancement of anti-ship missiles. , 2008, , .		0

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181	Robust gain-scheduling technique for an agile missile subject to mass variation. , 2010, , .		0
182	Retrofit Flight Control Using an Adaptive Chebyshev Function Approximator. Journal of Aerospace Engineering, 2013, 26, 735-749.	1.4	0
183	Three-dimensional velocity maximizing agile turn of air-to-air missile with collision triangle constraint. , 2017, , .		0
184	Stage optimization of multi-stage anti-air missile using co-evolutionary augmented Lagrangian method. , 2017, , .		0
185	Optimal Control of Roll-Pitch Seeker with Singularity Avoidance. , 2018, , .		0
186	Performance Analysis of Modified Gain Pseudo-Measurement Filter for Ballistic Target Tracking. IFAC-PapersOnLine, 2019, 52, 7-12.	0.9	0
187	Stage Optimization of Anti-Air Missiles Considering Guidance Laws. IFAC-PapersOnLine, 2019, 52, 227-231.	0.9	0
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