

Youdan Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

4,058
citations

30
h-index

58
g-index

250
ext. papers

5,133
ext. citations

2.3
avg, IF

5.84
L-index

#	Paper	IF	Citations
226	Capture Region of Tactical Missile Equipped With Semi-Active Laser Seeker Using Tobit Kalman Filter. <i>IEEE Access</i> , 2022 , 10, 11714-11729	3.5	
225	Flight dynamics of aerial vehicle considering time-varying ambient wind. <i>Aerospace Science and Technology</i> , 2022 , 126, 107601	4.9	
224	Altitude Tracking of UAV with Pitch-Hold Constraint Based on Model Predictive Control for Mine Detection 2021 ,		1
223	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 57, 1069-1083	3.7	1
222	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 57, 1361-1370	3.7	
221	Optimal Output Trajectory Shaping Using Bézier Curves. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 1027-1035	2.1	3
220	Data-Driven Capturability Analysis for Pure Proportional Navigation Guidance Considering Target Maneuver. <i>International Journal of Aeronautical and Space Sciences</i> , 2021 , 22, 1209-1221	1.2	2
219	Field-of-view-constrained impact angle control guidance with error convergence before interception considering speed changes. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2021 , 235, 238-256	0.9	2
218	Information Fusion for Cooperative Indoor Positioning Using Bézier Curves. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	
217	Neural-Network-Based Path Replanning for Gliding Vehicles Considering Terminal Velocity. <i>IEEE Access</i> , 2021 , 9, 78701-78714	3.5	0
216	Performance Verification of a Target Tracking System With a Laser Rangefinder. <i>IEEE Access</i> , 2021 , 9, 30993-31009	3.5	1
215	Impact-Time-Control Guidance Strategy with a Composite Structure Considering the Seeker's Field-of-View Constraint. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1566-1574	2.1	14
214	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 4353-4366	3.7	0
213	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 4269-4287	3.7	4
212	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 3655-3673	3.7	5
211	Actor-Critic-Based Optimal Adaptive Control Design for Morphing Aircraft. <i>IFAC-PapersOnLine</i> , 2020 , 53, 14863-14868	0.7	0
210	Reinforcement Learning-Assisted Composite Adaptive Control for Time-Varying Parameters. <i>IFAC-PapersOnLine</i> , 2020 , 53, 9515-9520	0.7	

209	Optimal scheduling algorithm in point merge system including holding pattern based on mixed-integer linear programming. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020 , 234, 1638-1647	0.9	3
208	Generalized Formulation of Linear Nonquadratic Weighted Optimal Error Shaping Guidance Laws. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1143-1153	2.1	5
207	Manufacturing and Control of a Robotic Device for Time-averaged Simulated Micro and Partial Gravity of a Cell Culture Environment. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 53-64	2.9	1
206	Correction: Impact-Time-Control Guidance Strategy with a Composite Structure Considering the Seeker's Field-of-View Constraint. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1983-1983	2.1	1
205	2020 ,		1
204	Schwarz Inequality Method for Weighted Minimum Effort Terminal Control of Multidimensional Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 1893-1903	2.1	2
203	Path Planning Algorithm for an Autonomous Electric Wheelchair in Hospitals. <i>IEEE Access</i> , 2020 , 8, 208199-208213	3.5	2
202	Neural network-based nonlinear dynamic inversion control of variable-span morphing aircraft. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020 , 234, 1624-1637	0.9	5
201	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 698-710	3.7	7
200	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 1077-1093	3.7	15
199	Pressure mode analysis of nonuniform cross-sectional pipes and preliminary evaluation of a pogo suppressor. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019 , 233, 4447-4456	0.9	
198	Distributed persistent coverage control and performance evaluation of multi-agent system. <i>Aeronautical Journal</i> , 2019 , 123, 1701-1723	0.9	1
197	Two-Stage Stochastic Programming Based on Particle Swarm Optimization for Aircraft Sequencing and Scheduling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 1365-1377	6.1	11
196	Analysis of Missile Longitudinal Autopilot Based on the State-Dependent Riccati Equation Method. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 2183-2196	2.1	4
195	Hamiltonian Structure-Based Robust Station-Keeping for Unstable Libration Point Orbits. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 1912-1929	2.1	5
194	Impact Time Control Guidance with Finite-Time Convergence Based on Pure Proportional Navigation 2019 ,		1
193	Active Sampling-based Data-driven Reachability Verification for Proportional Navigation Guidance Law. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1-6	0.7	2
192	Deep Neural Network-Based Feedback Control for Dynamic Soaring of Unpowered Aircraft. <i>IFAC-PapersOnLine</i> , 2019 , 52, 117-121	0.7	3

191	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 951-966	3.7	19
190	Adaptive Critics Design with Support Vector Machine for Spacecraft Finite-Horizon Optimal Control. <i>Journal of Aerospace Engineering</i> , 2019 , 32, 04018111	1.4	1
189	Capturability of Guidance Laws for Interception of Nonmaneuvering Target with Field-of-View Limit. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 869-884	2.1	13
188	Design of Fault Tolerant Control System for Engine Failure of Single-engined Aircraft 2019 ,		2
187	Formation flying along unstable Libration Point Orbits using switching Hamiltonian structure-preserving control. <i>Acta Astronautica</i> , 2019 , 158, 1-11	2.9	8
186	Response surface modeling-based analysis on launch vehicle capability. <i>Advances in Space Research</i> , 2018 , 62, 3281-3297	2.4	
185	Task Allocation of Multiple UAVs for Cooperative Parcel Delivery 2018 , 443-454		10
184	Reliability and Validity of Attitude and Heading Reference System Motion Estimation in a Novel Mirror Therapy System. <i>Journal of Medical and Biological Engineering</i> , 2018 , 38, 370-377	2.2	3
183	Analytic Solution of Continuous-Time Algebraic Riccati Equation for Two-Dimensional Systems and Its Application to Wing-Rock Regulation 2018 ,		2
182	Dynamic Robust Sequencing and Scheduling Under Uncertainty for the Point Merge System in Terminal Airspace. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 2933-2943	6.1	9
181	Design of an adaptive missile autopilot considering the boost phase using the SDRE method and neural networks. <i>Journal of the Franklin Institute</i> , 2018 , 355, 9085-9107	4	5
180	Load relief control of launch vehicle using aerodynamic angle estimation. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018 , 232, 1598-1605	0.9	
179	Exoatmospheric DACS Type Missile Controller Based on Sliding Mode Control Considering the Seeker's Field-of-View Limit 2018 , 631-649		
178	Composite Model Reference Adaptive Control with Parameter Convergence Under Finite Excitation. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 811-818	5.9	50
177	Vector Field Based Guidance Law for Intercepting Maneuvering Target 2018 ,		2
176	Three-Dimensional Path Planning for Aerial Refueling Between One Tanker and Multiple UAVs. <i>International Journal of Aeronautical and Space Sciences</i> , 2018 , 19, 1027-1040	1.2	1
175	Simple and accurate method of diamagnetic flux measurement in Versatile Experimental Spherical Torus (VEST). <i>Review of Scientific Instruments</i> , 2018 , 89, 103508	1.7	2
174	Improvement of Shipboard Landing Performance of Fixed-wing UAV Using Model Predictive Control. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 2697-2708	2.9	10

173	2018,			1
172	Market-Based Task Assignment for Cooperative Timing Missions in Dynamic Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017 , 87, 97-123	2.9		25
171	Nonlinear Conflict Resolution and Flow Management Using Particle Swarm Optimization. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 3378-3387	6.1		10
170	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017 , 53, 2718-2734	3.7		66
169	A Pilot Study on the Evaluation of Physicians' Laser Delivery Performance Using a Laser Beam Detection Kit. <i>Photomedicine and Laser Surgery</i> , 2017 , 35, 317-323			1
168	Market-Based Distributed Task Assignment of Multiple Unmanned Aerial Vehicles for Cooperative Timing Mission. <i>Journal of Aircraft</i> , 2017 , 54, 2298-2310	1.6		8
167	Integrated one-dimensional dynamic analysis methodology for space launch vehicles reflecting liquid components. <i>Aeronautical Journal</i> , 2017 , 121, 1217-1238	0.9		2
166	Development of a Novel Automated Hair Counting System for the Quantitative Evaluation of Laser Hair Removal. <i>Photomedicine and Laser Surgery</i> , 2017 , 35, 116-121			2
165	Reinforcement Learning-Based Optimal Flat Spin Recovery for Unmanned Aerial Vehicle. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 1076-1084	2.1		11
164	Multiobjective Optimization for Aircraft Arrival Sequencing and Scheduling. <i>Journal of Air Transportation</i> , 2017 , 25, 115-122	0.6		7
163	Generalization of Linearly Parametrized Trajectory Shaping Guidance Laws. <i>IFAC-PapersOnLine</i> , 2017 , 50, 8285-8290	0.7		4
162	Optimal and Practical Aircraft Sequencing and Scheduling for Point Merge System. <i>IFAC-PapersOnLine</i> , 2017 , 50, 14644-14649	0.7		10
161	Reference Shaping for Impact Angle and Time Control under Field-of-View Limit. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15191-15196	0.7		2
160	Cooperative Reactive Persistent Surveillance Algorithm Using Multiple UAVs Considering Incident Arrivals. <i>IFAC-PapersOnLine</i> , 2017 , 50, 2347-2352	0.7		0
159	Optimum Design of an SAR Satellite Constellation Considering the Revisit Time Using a Genetic Algorithm. <i>International Journal of Aeronautical and Space Sciences</i> , 2017 , 18, 334-343	1.2		6
158	Longitudinal Modal Analysis of a LOX-filled Tank Using the Virtual Mass Method. <i>International Journal of Aeronautical and Space Sciences</i> , 2017 , 18, 807-815	1.2		4
157	Slack Variables Generation via QR Decomposition for Adaptive Nonlinear Control of Affine Underactuated Systems. <i>IFAC-PapersOnLine</i> , 2016 , 49, 188-193	0.7		6
156	On-Line Monitoring of Environment-Assisted Cracking in Nuclear Piping Using Array Probe Direct Current Potential Drop. <i>Journal of Nondestructive Evaluation</i> , 2016 , 35, 1	2.1		3

155	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 948-954	3.7	19
154	Modified Pure Proportional Navigation Guidance Law for Impact Time Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 852-872	2.1	87
153	Improvement in Laser-Irradiation Efficiency of Robot-Assisted Laser Hair Removal Through Pose Measurement of Skin Surface. <i>Photomedicine and Laser Surgery</i> , 2016 , 34, 42-9		2
152	Sliding-Mode-Based Missile-Integrated Attitude Control Schemes Considering Velocity Change. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 423-436	2.1	13
151	Modeling and Attitude Control of Tri-Tilt Ducted Fan Vehicle 2016 ,		4
150	Flight envelope protection of aircraft using adaptive neural network and online linearisation. <i>International Journal of Systems Science</i> , 2016 , 47, 868-885	2.3	2
149	Conflict Management Considering a Smooth Transition of Aircraft Into Adjacent Airspace. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 2490-2501	6.1	11
148	Maneuverable Capsule Endoscope Based on Gimbaled Ducted-Fan System: Concept and Simulation Results. <i>Journal of Medical and Biological Engineering</i> , 2016 , 36, 132-143	2.2	1
147	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 3024-3035	3.7	6
146	Basis integral concurrent learning model reference adaptive control 2016 ,		2
145	Adaptive Backstepping Autopilot Design for Missiles of Fast Time-varying Velocity. <i>IFAC-PapersOnLine</i> , 2016 , 49, 474-479	0.7	1
144	PSO-based Optimal Task Allocation for Cooperative Timing Missions. <i>IFAC-PapersOnLine</i> , 2016 , 49, 314-319		15
143	. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 488-503	4.8	15
142	A grip force model for the da Vinci end-effector to predict a compensation force. <i>Medical and Biological Engineering and Computing</i> , 2015 , 53, 253-61	3.1	14
141	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2015 , 51, 1111-1122	3.7	88
140	Adaptive SDRE Based Boost-Phase Missile Autopilot Design Using Single and Modular Neural Networks. <i>IFAC-PapersOnLine</i> , 2015 , 48, 108-113	0.7	3
139	Missile Autopilot Design During Boost Phase Using Robust Backstepping Approach 2015 ,		3
138	Area Allocation Algorithm for Multiple UAVs Area Coverage Based on Clustering and Graph Method. <i>IFAC-PapersOnLine</i> , 2015 , 48, 204-209	0.7	11

137	Market-Based Task Assignment for Cooperative Timing Missions over Networks with Limited Connectivity 2015 ,		2
136	Comparison of Efficacy Between Novel Robot-Assisted Laser Hair Removal and Physician-Directed Hair Removal. <i>Photomedicine and Laser Surgery</i> , 2015 , 33, 509-16		4
135	Three-Dimensional Nonlinear Differential Geometric Path-Following Guidance Law. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 2366-2385	2.1	41
134	Fault Diagnosis of Skew-Configured Inertial Sensor System for Unmanned Aerial Vehicles 2015 , 1183-1212		
133	Computational Discrimination of Breast Cancer for Korean Women Based on Epidemiologic Data Only. <i>Journal of Korean Medical Science</i> , 2015 , 30, 1025-34	4.7	8
132	Formation Flight of Multiple UAVs via Onboard Sensor Information Sharing. <i>Sensors</i> , 2015 , 15, 17397-419,8		22
131	Conflict Management in Air Traffic Control Using Complexity Map. <i>Journal of Aircraft</i> , 2015 , 52, 1524-1534		6
130	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2015 , 51, 3226-3241	3.7	22
129	Structural Modeling Reflected Nonlinearity for Longitudinal Dynamic Instability (POGO) Analysis of Liquid Propellant Launch Vehicles in Preliminary Design Phase 2015 ,		1
128	Real-Time Guidance of Quadrotor for Obstacle Mapping Using Vision System 2015 ,		1
127	Lyapunov-Based Three-Dimensional Nonlinear Path-Following Guidance Law 2015 ,		2
126	Lyapunov-Based Three-Dimensional Terminal Angle Constrained Guidance Laws 2015 , 39-52		2
125	UAV guidance using a monocular-vision sensor for aerial target tracking. <i>Control Engineering Practice</i> , 2014 , 22, 10-19	3.9	41
124	A study on the development of a robot-assisted automatic laser hair removal system. <i>Photomedicine and Laser Surgery</i> , 2014 , 32, 633-41		7
123	Sliding mode based attitude and acceleration controller for a velocity-varying skid-to-turn missile 2014 ,		5
122	Trajectory optimization for unmanned aerial vehicle formation reconfiguration. <i>Engineering Optimization</i> , 2014 , 46, 84-106	2	16
121	Tool to visualize and evaluate operator proficiency in laser hair-removal treatments. <i>BioMedical Engineering OnLine</i> , 2014 , 13, 40	4.1	5
120	Lyapunov-Based Pursuit Guidance Law with Impact Angle Constraint. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 2509-2514		11

119	Application of Complexity Map to Reduce Air Traffic Complexity in a Sector 2014 ,		3
118	Three-Dimensional Nonlinear Path-Following Guidance Law Based on Differential Geometry. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 2503-2508		4
117	Market-Based Distributed Task Assignment for Rendezvous Mission over Networks with Limited Connectivity. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 888-893		2
116	Turning Direction Determination using Error Dynamics-Based Guidance Law for Stationary Target Observation. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2014 , 57, 61-68	0.8	1
115	Robust control allocation with adaptive backstepping flight control. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014 , 228, 1033-1046	0.9	5
114	3D Shape Mapping of Obstacle Using Stereo Vision Sensor on Quadrotor UAV 2014 ,		12
113	Pneumatic-type surgical robot end-effector for laparoscopic surgical-operation-by-wire. <i>BioMedical Engineering OnLine</i> , 2014 , 13, 130	4.1	9
112	Revisiting the general periodic relative motion in elliptic reference orbits. <i>Acta Astronautica</i> , 2013 , 85, 100-112	2.9	5
111	Obstacle Detection and Collision Avoidance of Quadrotor UAV Using Depth Map of Stereo Vision 2013 ,		4
110	Fully Autonomous Vision-Based Net-Recovery Landing System for a Fixed-Wing UAV. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013 , 18, 1320-1333	5.5	60
109	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2013 , 49, 2440-2462	3.7	21
108	Fault tolerant flight control system for the tilt-rotor UAV. <i>Journal of the Franklin Institute</i> , 2013 , 350, 2535-2559	4	40
107	A Reactive Collision Avoidance Algorithm for Multiple Midair Unmanned Aerial Vehicles. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2013 , 56, 15-24	0.8	4
106	Reactive Collision Avoidance of Unmanned Aerial Vehicles Using a Single Vision Sensor. <i>Journal of Guidance, Control, and Dynamics</i> , 2013 , 36, 1234-1240	2.1	28
105	Formation Pattern Analysis of Follower Spacecraft for Elliptic Reference Orbits. <i>Journal of the Astronautical Sciences</i> , 2013 , 60, 167-185	1.1	
104	Market-Based Decentralized Task Assignment for Cooperative UAV Mission Including Rendezvous 2013 ,		5
103	Differential Geometry based Collision Avoidance Guidance for Multiple UAVs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 113-118		6
102	Adaptive Sliding Mode Autopilot Design for Skid-To-Turn Missile Model with Uncertainties. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 330-335		

101	Three-dimensional Impact Angle Control Guidance Law for Missiles Using Dual Sliding Surfaces. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 137-142		9
100	Application of Complexity Assessment for Conflict Resolution in Air Traffic Management Systems 2013 ,		4
99	Multiple UAVs Nonlinear Guidance Laws for Stationary Target Observation with Waypoint Incidence Angle Constraint. <i>International Journal of Aeronautical and Space Sciences</i> , 2013 , 14, 67-74	1.2	20
98	Formation Flight and Collision Avoidance for Multiple UAVs using Concept of Elastic Weighting Factor. <i>International Journal of Aeronautical and Space Sciences</i> , 2013 , 14, 75-84	1.2	8
97	Spacecraft Formation Reconfiguration using Impulsive Control Input. <i>International Journal of Aeronautical and Space Sciences</i> , 2013 , 14, 183-192	1.2	1
96	Adaptive controller design for spacecraft formation flying using sliding mode controller and neural networks. <i>Journal of the Franklin Institute</i> , 2012 , 349, 578-603	4	63
95	Landing Site Searching Algorithm of a Quadrotor Using Depth Map of Stereo Vision on Unknown Terrain 2012 ,		5
94	Adaptive sliding mode control using slack variables for affine underactuated systems 2012 ,		5
93	Fault detection and identification of aircraft control surface using adaptive observer and input bias estimator. <i>IET Control Theory and Applications</i> , 2012 , 6, 1367-1387	2.5	27
92	Autonomous Flight of the Rotorcraft-Based UAV Using RISE Feedback and NN Feedforward Terms. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1392-1399	4.8	46
91	A Sliding Mode Control with Optimized Sliding Surface for Aircraft Pitch Axis Control System. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2012 , 55, 94-98	0.8	2
90	Adaptive Image-Based Visual Servoing for an Underactuated Quadrotor System. <i>Journal of Guidance, Control, and Dynamics</i> , 2012 , 35, 1335-1353	2.1	55
89	Consensus-based reconfigurable controller design for unmanned aerial vehicle formation flight. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2012 , 226, 817-829	0.9	38
88	Guidance Law for Standoff Tracking of a Moving Target with Leader-Follower Unmanned Aerial Vehicles 2012 ,		2
87	Constrained Adaptive Backstepping Controller Design for Aircraft Landing in Wind Disturbance and Actuator Stuck. <i>International Journal of Aeronautical and Space Sciences</i> , 2012 , 13, 74-89	1.2	17
86	Integrated Design of Rotary UAV Guidance and Control Systems Utilizing Sliding Mode Control Technique. <i>International Journal of Aeronautical and Space Sciences</i> , 2012 , 13, 90-98	1.2	4
85	Vision-based Reactive Collision Avoidance Algorithm for Unmanned Aerial Vehicle 2011 ,		7
84	Lyapunov Control Law for Automatic Approach for Unmanned Helicopter Landing. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2011 , 53, 283-290	0.8	1

83	Error Dynamics-Based Lyapunov Guidance Law for Stationary Target Observation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 2042-2047		2
82	Cooperative Tracking of a Moving Target using Integrated Vector Field and Decentralized Extended Information Filter. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 6319-6324		
81	Cascade-type guidance law design for multiple-UAV formation keeping. <i>Aerospace Science and Technology</i> , 2011 , 15, 431-439	4.9	27
80	Optimal input design for online parameter estimation for aircraft with multiple control surfaces. <i>Engineering Optimization</i> , 2011 , 43, 559-580	2	4
79	Experimental evaluation of fault diagnosis in a skew-configured UAV sensor system. <i>Control Engineering Practice</i> , 2011 , 19, 158-173	3.9	20
78	Adaptive support vector regression for UAV flight control. <i>Neural Networks</i> , 2011 , 24, 109-20	9.1	20
77	Asymptotic attitude tracking of the rotorcraft-based UAV via RISE feedback and NN feedforward 2010 ,		6
76	A Survey of Fault Detection, Isolation, and Reconfiguration Methods. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 636-653	4.8	806
75	Satellite Attitude Determination and Estimation using Two Star Trackers 2010 ,		3
74	Spiral landing guidance law design for unmanned aerial vehicle net-recovery. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2010 , 224, 1081-1096	0.9	7
73	Reconfigurable Flight Control 2010 ,		1
72	Decentralized phase angle control for standoff tracking using multiple unmanned aircraft 2010 ,		3
71	Nonlinear estimation for spacecraft attitude using decentralized unscented information filter 2010 ,		2
70	Fault-tolerant control scheme for satellite attitude control system. <i>IET Control Theory and Applications</i> , 2010 , 4, 1436-1450	2.5	42
69	Model predictive flight control using adaptive support vector regression. <i>Neurocomputing</i> , 2010 , 73, 1031-1037	5.4	34
68	Adaptive inverse control using support vector regression 2009 ,		2
67	Fault tolerant flight control system design using a multiple model adaptive controller. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2009 , 223, 39-50	0.9	12
66	Point Targeting of Multisatellites via a Virtual Structure Formation Flight Scheme. <i>Journal of Guidance, Control, and Dynamics</i> , 2009 , 32, 1330-1344	2.1	10

65	Frequency and Time Domain Online Parameter Estimation for Reconfigurable Flight Control Systems 2009 ,		9
64	Spiral Landing Trajectory and Pursuit Guidance Law Design for Vision-Based Net-Recovery UAV 2009 ,		5
63	Spacecraft Formation Flying Control Using Sliding Mode and Neural Networks Controller 2009 ,		1
62	Optimum design of three-dimensional behavioural decentralized controller for UAV formation flight. <i>Engineering Optimization</i> , 2009 , 41, 199-224	2	30
61	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2008 , 44, 940-952	3.7	54
60	Unmanned aerial vehicle swarm control using potential functions and sliding mode control. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2008 , 222, 721-730	0.9	16
59	Pursuit Guidance Law and Adaptive Backstepping Controller Design for Vision-Based Net-Recovery UAV 2008 ,		7
58	Fuel-Efficient Formation Flight-Control Design Based on Energy Maneuverability. <i>Journal of Guidance, Control, and Dynamics</i> , 2008 , 31, 1145-1150	2.1	5
57	Practical guidance law controlling impact angle. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2007 , 221, 29-36	0.9	18
56	A study of the dimethyl ether spray characteristics and ignition delay. <i>International Journal of Engine Research</i> , 2007 , 8, 337-346	2.7	11
55	NONLINEAR RECONFIGURABLE FLIGHT CONTROL SYSTEM USING MULTIPLE MODEL ADAPTIVE CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 171-176		2
54	FAULT TOLERANT FLIGHT CONTROL SYSTEM BASED ON FUZZY-TUNING IMM FILTER. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 675-680		
53	Failure diagnosis of skew-configured aircraft inertial sensors using wavelet decomposition. <i>IET Control Theory and Applications</i> , 2007 , 1, 1390-1397	2.5	8
52	Adaptive Sliding Mode Control for Non-Affine Nonlinear Vehicle Systems 2007 ,		4
51	Fuel efficient three dimensional controller for leader-follower UAV formation flight 2007 ,		4
50	Three dimensional optimum controller for multiple UAV formation flight using behavior-based decentralized approach 2007 ,		5
49	Guidance Laws for Anti-Ship Missiles Using Impact Angle and Impact Time 2006 ,		27
48	Nonlinear discrete-time reconfigurable flight control law using neural networks. <i>IEEE Transactions on Control Systems Technology</i> , 2006 , 14, 408-422	4.8	24

47	Design of Reconfigurable Flight Control System Using Adaptive Sliding Mode Control: Actuator Fault. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2005 , 219, 321-328	0.9	47
46	ADAPTIVE RECONFIGURABLE FLIGHT CONTROL SYSTEM USING MULTIPLE MODEL MODE SWITCHING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 115-120		4
45	Reconfigurable Flight Control System Design Using Input-Output Information. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2005 , 219, 277-285	0.9	1
44	Flight path optimization passing through waypoints for autonomous flight control systems. <i>Engineering Optimization</i> , 2005 , 37, 755-774	2	3
43	Adaptive Structural Control Experiment Using Recursive System Identification. <i>Journal of Intelligent Material Systems and Structures</i> , 2004 , 15, 745-751	2.3	1
42	Optimum design of neural networks for a nonlinear flight control system. <i>Engineering Optimization</i> , 2004 , 36, 1-17	2	3
41	Design of generalized conceptual guidance law using aim angle. <i>Control Engineering Practice</i> , 2004 , 12, 291-298	3.9	17
40	Hybrid Fault Detection and Isolation Techniques for Aircraft Inertial Measurement Sensors 2004 ,		6
39	Reconfigurable flight control system design using adaptive neural networks. <i>IEEE Transactions on Control Systems Technology</i> , 2004 , 12, 87-100	4.8	88
38	Variable Structure Control with Optimized Sliding Surface for Aircraft Control System 2004 ,		1
37	Optimum Flight Path Design Passing Through Waypoints for Autonomous Flight Control System 2003 ,		7
36	Reconfigurable Flight Control System Design Using Direct Adaptive Method. <i>Journal of Guidance, Control, and Dynamics</i> , 2003 , 26, 543-550	2.1	66
35	Robust backstepping control for slew maneuver using nonlinear tracking function. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 822-829	4.8	115
34	Operational Analysis of Ion Thruster for Geostationary Satellite Considering Eclipse. <i>Journal of the Astronautical Sciences</i> , 2003 , 51, 37-50	1.1	
33	MODELLING OF VIBRATING SYSTEMS USING TIME-DOMAIN FINITE ELEMENT METHOD. <i>Journal of Sound and Vibration</i> , 2002 , 254, 503-521	3.9	4
32	Trajectory Optimization for a Multi-Stage Launch Vehicle Using Time Finite Element and Direct Collocation Methods. <i>Engineering Optimization</i> , 2002 , 34, 15-32	2	22
31	Lyapunov Control Law for Slew Maneuver Using Time Finite Element Analysis. <i>Journal of Guidance, Control, and Dynamics</i> , 2001 , 24, 87-94	2.1	11
30	Spin-Axis Stabilization of a Rigid Spacecraft Using Two Reaction Wheels. <i>Journal of Guidance, Control, and Dynamics</i> , 2001 , 24, 1046-1049	2.1	33

29	Design of Missile Guidance Law via Variable Structure Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2001 , 24, 659-664	2.1	132
28	Nonlinear Adaptive Flight Control Using Backstepping and Neural Networks Controller. <i>Journal of Guidance, Control, and Dynamics</i> , 2001 , 24, 675-682	2.1	158
27	Damage Detection and Vibration Control of a Delaminated Smart Composite Plate. <i>Advanced Composites Letters</i> , 2000 , 9, 096369350000900	1.2	6
26	Robust Variable Structure Controller Design for Fault Tolerant Flight Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2000 , 23, 430-437	2.1	35
25	Aeroelastic Control of Smart Composite Plate with Delaminations. <i>Journal of Intelligent Material Systems and Structures</i> , 2000 , 11, 868-876	2.3	13
24	Optimal Wing Planform Design for Aeroelastic Control. <i>AIAA Journal</i> , 2000 , 38, 1465-1470	2.1	18
23	Eigenstructure Assignment Algorithm for Mechanical Second-Order Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 1999 , 22, 729-731	2.1	50
22	Coevolutionary Approaches to Structural Optimization. <i>AIAA Journal</i> , 1999 , 37, 1019-1021	2.1	5
21	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1999 , 35, 1403-1409	3.7	4
20	Slew Maneuver of Flexible Space Structures Using Time Finite Element Analysis. <i>AIAA Journal</i> , 1998 , 36, 1938-1940	2.1	2
19	Time Domain Finite Element Analysis of Dynamic Systems. <i>AIAA Journal</i> , 1998 , 36, 1312-1319	2.1	5
18	Torque Shaping Using Trigonometric Series Expansion for Slewing of Flexible Structures. <i>Journal of Guidance, Control, and Dynamics</i> , 1998 , 21, 698-703	2.1	7
17	Experimental Evaluation of the Torque-Shaping Method for Slew Maneuver of Flexible Space Structures. <i>Journal of Guidance, Control, and Dynamics</i> , 1998 , 21, 817-822	2.1	5
16	Reduced-Order Aeroservoelastic Model with an Unsteady Aerodynamic Eigen Formulation. <i>AIAA Journal</i> , 1997 , 35, 1087-1088	2.1	10
15	Simultaneous Structural/Control Optimum Design of Composite Plate with Piezoelectric Actuators. <i>Journal of Guidance, Control, and Dynamics</i> , 1997 , 20, 1111-1117	2.1	12
14	Time-Domain Finite Element Method for Inverse Problem of Aircraft Maneuvers. <i>Journal of Guidance, Control, and Dynamics</i> , 1997 , 20, 97-103	2.1	53
13	Near-Minimum-Time Control of Smart Structures for Slew Maneuver. <i>Journal of the Astronautical Sciences</i> , 1997 , 45, 91-111	1.1	3
12	Optimal sizing and placement of piezo-actuators for active flutter suppression. <i>Smart Materials and Structures</i> , 1996 , 5, 216-224	3.4	25

11	Optimal wing design for flutter suppression with PZT actuators including power requirement 1996 ,		2
10	Optimized feedforward design scheme unifying regulator and command generator tracker. <i>Journal of Guidance, Control, and Dynamics</i> , 1996 , 19, 899-904	2.1	3
9	Design of an effective controller via disturbance accommodating left eigenstructure assignment. <i>Journal of Guidance, Control, and Dynamics</i> , 1995 , 18, 347-354	2.1	36
8	Eigenvector derivatives for mechanical second-order systems. <i>Journal of Guidance, Control, and Dynamics</i> , 1995 , 18, 899-906	2.1	16
7	Optimal design of composite lifting surface for flutter suppression with piezoelectric actuators. <i>AIAA Journal</i> , 1995 , 33, 1897-1904	2.1	31
6	Introduction to Dynamics and Control of Flexible Structures 1993 ,		287
5	Measure of controllability for actuator placement. <i>Journal of Guidance, Control, and Dynamics</i> , 1991 , 14, 895-902	2.1	51
4	Low-Power Peaking-Free Extended-Observer-Based Pitch Autopilot for Morphing Unmanned Aerial Vehicle. <i>Journal of Guidance, Control, and Dynamics</i> , 1-10	2.1	1
3	Design framework for optimizing waypoints of vehicle trajectory considering terminal velocity and impact angle constraints. <i>Engineering Optimization</i> , 1-15	2	0
2	Optimal Policy of Pitch-Hold Phase for Mine Detection of UAV Based on Mixed-Integer Linear Programming. <i>International Journal of Aeronautical and Space Sciences</i> , 1	1.2	
1	Generalized Analysis of Biased Proportional Navigation Guidance with Fractional Power Error Feedback. <i>Journal of Guidance, Control, and Dynamics</i> , 1-16	2.1	