

# Youdan Kim

## List of Publications by Citations

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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	A Survey of Fault Detection, Isolation, and Reconfiguration Methods. <i>IEEE Transactions on Control Systems Technology</i> , <b>2010</b> , 18, 636-653	4.8	806
225	Introduction to Dynamics and Control of Flexible Structures <b>1993</b> ,		287
224	Nonlinear Adaptive Flight Control Using Backstepping and Neural Networks Controller. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2001</b> , 24, 675-682	2.1	158
223	Design of Missile Guidance Law via Variable Structure Control. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2001</b> , 24, 659-664	2.1	132
222	Robust backstepping control for slew maneuver using nonlinear tracking function. <i>IEEE Transactions on Control Systems Technology</i> , <b>2003</b> , 11, 822-829	4.8	115
221	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2015</b> , 51, 1111-1122	3.7	88
220	Reconfigurable flight control system design using adaptive neural networks. <i>IEEE Transactions on Control Systems Technology</i> , <b>2004</b> , 12, 87-100	4.8	88
219	Modified Pure Proportional Navigation Guidance Law for Impact Time Control. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2016</b> , 39, 852-872	2.1	87
218	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 2718-2734	3.7	66
217	Reconfigurable Flight Control System Design Using Direct Adaptive Method. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2003</b> , 26, 543-550	2.1	66
216	Adaptive controller design for spacecraft formation flying using sliding mode controller and neural networks. <i>Journal of the Franklin Institute</i> , <b>2012</b> , 349, 578-603	4	63
215	Fully Autonomous Vision-Based Net-Recovery Landing System for a Fixed-Wing UAV. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2013</b> , 18, 1320-1333	5.5	60
214	Adaptive Image-Based Visual Servoing for an Underactuated Quadrotor System. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2012</b> , 35, 1335-1353	2.1	55
213	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2008</b> , 44, 940-952	3.7	54
212	Time-Domain Finite Element Method for Inverse Problem of Aircraft Maneuvers. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1997</b> , 20, 97-103	2.1	53
211	Measure of controllability for actuator placement. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1991</b> , 14, 895-902	2.1	51
210	Eigenstructure Assignment Algorithm for Mechanical Second-Order Systems. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1999</b> , 22, 729-731	2.1	50

209	Composite Model Reference Adaptive Control with Parameter Convergence Under Finite Excitation. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 811-818	5.9	50
208	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> , <b>2005</b> , 219, 321-328	0.9	47
207	Autonomous Flight of the Rotorcraft-Based UAV Using RISE Feedback and NN Feedforward Terms. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 1392-1399	4.8	46
206	Fault-tolerant control scheme for satellite attitude control system. <i>IET Control Theory and Applications</i> , <b>2010</b> , 4, 1436-1450	2.5	42
205	Three-Dimensional Nonlinear Differential Geometric Path-Following Guidance Law. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2015</b> , 38, 2366-2385	2.1	41
204	UAV guidance using a monocular-vision sensor for aerial target tracking. <i>Control Engineering Practice</i> , <b>2014</b> , 22, 10-19	3.9	41
203	Fault tolerant flight control system for the tilt-rotor UAV. <i>Journal of the Franklin Institute</i> , <b>2013</b> , 350, 2535-2559	4	40
202	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> , <b>2012</b> , 226, 817-829	0.9	38
201	Design of an effective controller via disturbance accommodating left eigenstructure assignment. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1995</b> , 18, 347-354	2.1	36
200	Robust Variable Structure Controller Design for Fault Tolerant Flight Control. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2000</b> , 23, 430-437	2.1	35
199	Model predictive flight control using adaptive support vector regression. <i>Neurocomputing</i> , <b>2010</b> , 73, 1031-1037	5.4	34
198	Spin-Axis Stabilization of a Rigid Spacecraft Using Two Reaction Wheels. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2001</b> , 24, 1046-1049	2.1	33
197	Optimal design of composite lifting surface for flutter suppression with piezoelectric actuators. <i>AIAA Journal</i> , <b>1995</b> , 33, 1897-1904	2.1	31
196	Optimum design of three-dimensional behavioural decentralized controller for UAV formation flight. <i>Engineering Optimization</i> , <b>2009</b> , 41, 199-224	2	30
195	Reactive Collision Avoidance of Unmanned Aerial Vehicles Using a Single Vision Sensor. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2013</b> , 36, 1234-1240	2.1	28
194	Fault detection and identification of aircraft control surface using adaptive observer and input bias estimator. <i>IET Control Theory and Applications</i> , <b>2012</b> , 6, 1367-1387	2.5	27
193	Cascade-type guidance law design for multiple-UAV formation keeping. <i>Aerospace Science and Technology</i> , <b>2011</b> , 15, 431-439	4.9	27
192	Guidance Laws for Anti-Ship Missiles Using Impact Angle and Impact Time <b>2006</b> ,		27

191	Market-Based Task Assignment for Cooperative Timing Missions in Dynamic Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2017</b> , 87, 97-123	2.9	25
190	Optimal sizing and placement of piezo-actuators for active flutter suppression. <i>Smart Materials and Structures</i> , <b>1996</b> , 5, 216-224	3.4	25
189	Nonlinear discrete-time reconfigurable flight control law using neural networks. <i>IEEE Transactions on Control Systems Technology</i> , <b>2006</b> , 14, 408-422	4.8	24
188	Formation Flight of Multiple UAVs via Onboard Sensor Information Sharing. <i>Sensors</i> , <b>2015</b> , 15, 17397-419	3.8	22
187	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2015</b> , 51, 3226-3241	3.7	22
186	Trajectory Optimization for a Multi-Stage Launch Vehicle Using Time Finite Element and Direct Collocation Methods. <i>Engineering Optimization</i> , <b>2002</b> , 34, 15-32	2	22
185	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2013</b> , 49, 2440-2462	3.7	21
184	Experimental evaluation of fault diagnosis in a skew-configured UAV sensor system. <i>Control Engineering Practice</i> , <b>2011</b> , 19, 158-173	3.9	20
183	Adaptive support vector regression for UAV flight control. <i>Neural Networks</i> , <b>2011</b> , 24, 109-20	9.1	20
182	Multiple UAVs Nonlinear Guidance Laws for Stationary Target Observation with Waypoint Incidence Angle Constraint. <i>International Journal of Aeronautical and Space Sciences</i> , <b>2013</b> , 14, 67-74	1.2	20
181	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 948-954	3.7	19
180	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2019</b> , 55, 951-966	3.7	19
179	Practical guidance law controlling impact angle. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2007</b> , 221, 29-36	0.9	18
178	Optimal Wing Planform Design for Aeroelastic Control. <i>AIAA Journal</i> , <b>2000</b> , 38, 1465-1470	2.1	18
177	Design of generalized conceptual guidance law using aim angle. <i>Control Engineering Practice</i> , <b>2004</b> , 12, 291-298	3.9	17
176	Constrained Adaptive Backstepping Controller Design for Aircraft Landing in Wind Disturbance and Actuator Stuck. <i>International Journal of Aeronautical and Space Sciences</i> , <b>2012</b> , 13, 74-89	1.2	17
175	Trajectory optimization for unmanned aerial vehicle formation reconfiguration. <i>Engineering Optimization</i> , <b>2014</b> , 46, 84-106	2	16
174	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> , <b>2008</b> , 222, 721-730	0.9	16

173	Eigenvector derivatives for mechanical second-order systems. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1995</b> , 18, 899-906	2.1	16
172	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 488-503	4.8	15
171	PSO-based Optimal Task Allocation for Cooperative Timing Missions. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 314-319		15
170	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 1077-1093	3.7	15
169	A grip force model for the da Vinci end-effector to predict a compensation force. <i>Medical and Biological Engineering and Computing</i> , <b>2015</b> , 53, 253-61	3.1	14
168	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> , <b>2020</b> , 43, 1566-1574	2.1	14
167	Sliding-Mode-Based Missile-Integrated Attitude Control Schemes Considering Velocity Change. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2016</b> , 39, 423-436	2.1	13
166	Aeroelastic Control of Smart Composite Plate with Delaminations. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2000</b> , 11, 868-876	2.3	13
165	Capturability of Guidance Laws for Interception of Nonmaneuvering Target with Field-of-View Limit. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2019</b> , 42, 869-884	2.1	13
164	3D Shape Mapping of Obstacle Using Stereo Vision Sensor on Quadrotor UAV <b>2014</b> ,		12
163	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> , <b>2009</b> , 223, 39-50	0.9	12
162	Simultaneous Structural/Control Optimum Design of Composite Plate with Piezoelectric Actuators. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1997</b> , 20, 1111-1117	2.1	12
161	Area Allocation Algorithm for Multiple UAVs Area Coverage Based on Clustering and Graph Method. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 204-209	0.7	11
160	Conflict Management Considering a Smooth Transition of Aircraft Into Adjacent Airspace. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 2490-2501	6.1	11
159	Two-Stage Stochastic Programming Based on Particle Swarm Optimization for Aircraft Sequencing and Scheduling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 1365-1377	6.1	11
158	Lyapunov-Based Pursuit Guidance Law with Impact Angle Constraint. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 2509-2514		11
157	Reinforcement Learning-Based Optimal Flat Spin Recovery for Unmanned Aerial Vehicle. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2017</b> , 40, 1076-1084	2.1	11
156	A study of the dimethyl ether spray characteristics and ignition delay. <i>International Journal of Engine Research</i> , <b>2007</b> , 8, 337-346	2.7	11

155	Lyapunov Control Law for Slew Maneuver Using Time Finite Element Analysis. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2001</b> , 24, 87-94	2.1	11
154	Nonlinear Conflict Resolution and Flow Management Using Particle Swarm Optimization. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 3378-3387	6.1	10
153	Task Allocation of Multiple UAVs for Cooperative Parcel Delivery <b>2018</b> , 443-454		10
152	Optimal and Practical Aircraft Sequencing and Scheduling for Point Merge System. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 14644-14649	0.7	10
151	Point Targeting of Multisatellites via a Virtual Structure Formation Flight Scheme. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2009</b> , 32, 1330-1344	2.1	10
150	Reduced-Order Aeroservoelastic Model with an Unsteady Aerodynamic Eigen Formulation. <i>AIAA Journal</i> , <b>1997</b> , 35, 1087-1088	2.1	10
149	Improvement of Shipboard Landing Performance of Fixed-wing UAV Using Model Predictive Control. <i>International Journal of Control, Automation and Systems</i> , <b>2018</b> , 16, 2697-2708	2.9	10
148	Dynamic Robust Sequencing and Scheduling Under Uncertainty for the Point Merge System in Terminal Airspace. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 2933-2943	6.1	9
147	Pneumatic-type surgical robot end-effector for laparoscopic surgical-operation-by-wire. <i>BioMedical Engineering OnLine</i> , <b>2014</b> , 13, 130	4.1	9
146	Three-dimensional Impact Angle Control Guidance Law for Missiles Using Dual Sliding Surfaces. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 137-142		9
145	Frequency and Time Domain Online Parameter Estimation for Reconfigurable Flight Control Systems <b>2009</b> ,		9
144	Market-Based Distributed Task Assignment of Multiple Unmanned Aerial Vehicles for Cooperative Timing Mission. <i>Journal of Aircraft</i> , <b>2017</b> , 54, 2298-2310	1.6	8
143	Computational Discrimination of Breast Cancer for Korean Women Based on Epidemiologic Data Only. <i>Journal of Korean Medical Science</i> , <b>2015</b> , 30, 1025-34	4.7	8
142	Failure diagnosis of skew-configured aircraft inertial sensors using wavelet decomposition. <i>IET Control Theory and Applications</i> , <b>2007</b> , 1, 1390-1397	2.5	8
141	Formation Flight and Collision Avoidance for Multiple UAVs using Concept of Elastic Weighting Factor. <i>International Journal of Aeronautical and Space Sciences</i> , <b>2013</b> , 14, 75-84	1.2	8
140	Formation flying along unstable Libration Point Orbits using switching Hamiltonian structure-preserving control. <i>Acta Astronautica</i> , <b>2019</b> , 158, 1-11	2.9	8
139	A study on the development of a robot-assisted automatic laser hair removal system. <i>Photomedicine and Laser Surgery</i> , <b>2014</b> , 32, 633-41		7
138	Multiobjective Optimization for Aircraft Arrival Sequencing and Scheduling. <i>Journal of Air Transportation</i> , <b>2017</b> , 25, 115-122	0.6	7

137	Vision-based Reactive Collision Avoidance Algorithm for Unmanned Aerial Vehicle <b>2011,</b>		7
136	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> , <b>2010</b> , 224, 1081-1096	0.9	7
135	Pursuit Guidance Law and Adaptive Backstepping Controller Design for Vision-Based Net-Recovery UAV <b>2008,</b>		7
134	Optimum Flight Path Design Passing Through Waypoints for Autonomous Flight Control System <b>2003,</b>		7
133	Torque Shaping Using Trigonometric Series Expansion for Slewing of Flexible Structures. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1998</b> , 21, 698-703	2.1	7
132	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 698-710	3.7	7
131	Slack Variables Generation via QR Decomposition for Adaptive Nonlinear Control of Affine Underactuated Systems. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 188-193	0.7	6
130	Conflict Management in Air Traffic Control Using Complexity Map. <i>Journal of Aircraft</i> , <b>2015</b> , 52, 1524-1534		6
129	Differential Geometry based Collision Avoidance Guidance for Multiple UAVs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 113-118		6
128	Asymptotic attitude tracking of the rotorcraft-based UAV via RISE feedback and NN feedforward <b>2010,</b>		6
127	Hybrid Fault Detection and Isolation Techniques for Aircraft Inertial Measurement Sensors <b>2004,</b>		6
126	Damage Detection and Vibration Control of a Delaminated Smart Composite Plate. <i>Advanced Composites Letters</i> , <b>2000</b> , 9, 096369350000900	1.2	6
125	Optimum Design of an SAR Satellite Constellation Considering the Revisit Time Using a Genetic Algorithm. <i>International Journal of Aeronautical and Space Sciences</i> , <b>2017</b> , 18, 334-343	1.2	6
124	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 3024-3035	3.7	6
123	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 3655-3673	3.7	5
122	Design of an adaptive missile autopilot considering the boost phase using the SDRE method and neural networks. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 9085-9107	4	5
121	Hamiltonian Structure-Based Robust Station-Keeping for Unstable Libration Point Orbits. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2019</b> , 42, 1912-1929	2.1	5
120	Sliding mode based attitude and acceleration controller for a velocity-varying skid-to-turn missile <b>2014,</b>		5

119	Tool to visualize and evaluate operator proficiency in laser hair-removal treatments. <i>BioMedical Engineering OnLine</i> , <b>2014</b> , 13, 40	4.1	5
118	Revisiting the general periodic relative motion in elliptic reference orbits. <i>Acta Astronautica</i> , <b>2013</b> , 85, 100-112	2.9	5
117	Robust control allocation with adaptive backstepping flight control. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2014</b> , 228, 1033-1046	0.9	5
116	Landing Site Searching Algorithm of a Quadrotor Using Depth Map of Stereo Vision on Unknown Terrain <b>2012</b> ,		5
115	Adaptive sliding mode control using slack variables for affine underactuated systems <b>2012</b> ,		5
114	Market-Based Decentralized Task Assignment for Cooperative UAV Mission Including Rendezvous <b>2013</b> ,		5
113	Spiral Landing Trajectory and Pursuit Guidance Law Design for Vision-Based Net-Recovery UAV <b>2009</b> ,		5
112	Fuel-Efficient Formation Flight-Control Design Based on Energy Maneuverability. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2008</b> , 31, 1145-1150	2.1	5
111	Three dimensional optimum controller for multiple UAV formation flight using behavior-based decentralized approach <b>2007</b> ,		5
110	Time Domain Finite Element Analysis of Dynamic Systems. <i>AIAA Journal</i> , <b>1998</b> , 36, 1312-1319	2.1	5
109	Experimental Evaluation of the Torque-Shaping Method for Slew Maneuver of Flexible Space Structures. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1998</b> , 21, 817-822	2.1	5
108	Coevolutionary Approaches to Structural Optimization. <i>AIAA Journal</i> , <b>1999</b> , 37, 1019-1021	2.1	5
107	Generalized Formulation of Linear Nonquadratic Weighted Optimal Error Shaping Guidance Laws. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2020</b> , 43, 1143-1153	2.1	5
106	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> , <b>2020</b> , 234, 1624-1637	0.9	5
105	Comparison of Efficacy Between Novel Robot-Assisted Laser Hair Removal and Physician-Directed Hair Removal. <i>Photomedicine and Laser Surgery</i> , <b>2015</b> , 33, 509-16		4
104	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2020</b> , 56, 4269-4287	3.7	4
103	Modeling and Attitude Control of Tri-Tilt Ducted Fan Vehicle <b>2016</b> ,		4
102	Analysis of Missile Longitudinal Autopilot Based on the State-Dependent Riccati Equation Method. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2019</b> , 42, 2183-2196	2.1	4



101	Three-Dimensional Nonlinear Path-Following Guidance Law Based on Differential Geometry. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 2503-2508		4
100	Obstacle Detection and Collision Avoidance of Quadrotor UAV Using Depth Map of Stereo Vision <b>2013</b> ,		4
99	Generalization of Linearly Parametrized Trajectory Shaping Guidance Laws. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 8285-8290	0.7	4
98	A Reactive Collision Avoidance Algorithm for Multiple Midair Unmanned Aerial Vehicles. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , <b>2013</b> , 56, 15-24	0.8	4
97	Application of Complexity Assessment for Conflict Resolution in Air Traffic Management Systems <b>2013</b> ,		4
96	Optimal input design for online parameter estimation for aircraft with multiple control surfaces. <i>Engineering Optimization</i> , <b>2011</b> , 43, 559-580	2	4
95	Adaptive Sliding Mode Control for Non-Affine Nonlinear Vehicle Systems <b>2007</b> ,		4
94	Fuel efficient three dimensional controller for leader-follower UAV formation flight <b>2007</b> ,		4
93	MODELLING OF VIBRATING SYSTEMS USING TIME-DOMAIN FINITE ELEMENT METHOD. <i>Journal of Sound and Vibration</i> , <b>2002</b> , 254, 503-521	3.9	4
92	ADAPTIVE RECONFIGURABLE FLIGHT CONTROL SYSTEM USING MULTIPLE MODEL MODE SWITCHING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 115-120		4
91	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>1999</b> , 35, 1403-1409	3.7	4
90	Integrated Design of Rotary UAV Guidance and Control Systems Utilizing Sliding Mode Control Technique. <i>International Journal of Aeronautical and Space Sciences</i> , <b>2012</b> , 13, 90-98	1.2	4
89	Longitudinal Modal Analysis of a LOX-filled Tank Using the Virtual Mass Method. <i>International Journal of Aeronautical and Space Sciences</i> , <b>2017</b> , 18, 807-815	1.2	4
88	Adaptive SDRE Based Boost-Phase Missile Autopilot Design Using Single and Modular Neural Networks. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 108-113	0.7	3
87	Missile Autopilot Design During Boost Phase Using Robust Backstepping Approach <b>2015</b> ,		3
86	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> , <b>2018</b> , 38, 370-377	2.2	3
85	On-Line Monitoring of Environment-Assisted Cracking in Nuclear Piping Using Array Probe Direct Current Potential Drop. <i>Journal of Nondestructive Evaluation</i> , <b>2016</b> , 35, 1	2.1	3
84	Application of Complexity Map to Reduce Air Traffic Complexity in a Sector <b>2014</b> ,		3

83	Satellite Attitude Determination and Estimation using Two Star Trackers <b>2010</b> ,		3
82	Decentralized phase angle control for standoff tracking using multiple unmanned aircraft <b>2010</b> ,		3
81	Optimum design of neural networks for a nonlinear flight control system. <i>Engineering Optimization</i> , <b>2004</b> , 36, 1-17	2	3
80	Flight path optimization passing through waypoints for autonomous flight control systems. <i>Engineering Optimization</i> , <b>2005</b> , 37, 755-774	2	3
79	Optimized feedforward design scheme unifying regulator and command generator tracker. <i>Journal of Guidance, Control, and Dynamics</i> , <b>1996</b> , 19, 899-904	2.1	3
78	Near-Minimum-Time Control of Smart Structures for Slew Maneuver. <i>Journal of the Astronautical Sciences</i> , <b>1997</b> , 45, 91-111	1.1	3
77	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> , <b>2020</b> , 234, 1638-1647	0.9	3
76	Optimal Output Trajectory Shaping Using Bézier Curves. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2021</b> , 44, 1027-1035	2.1	3
75	Deep Neural Network-Based Feedback Control for Dynamic Soaring of Unpowered Aircraft. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 117-121	0.7	3
74	Market-Based Task Assignment for Cooperative Timing Missions over Networks with Limited Connectivity <b>2015</b> ,		2
73	Analytic Solution of Continuous-Time Algebraic Riccati Equation for Two-Dimensional Systems and Its Application to Wing-Rock Regulation <b>2018</b> ,		2
72	Improvement in Laser-Irradiation Efficiency of Robot-Assisted Laser Hair Removal Through Pose Measurement of Skin Surface. <i>Photomedicine and Laser Surgery</i> , <b>2016</b> , 34, 42-9		2
71	Flight envelope protection of aircraft using adaptive neural network and online linearisation. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 868-885	2.3	2
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