Antonios Tsourdos

List of Publications by Year
in descending order

512 papers	6,765 citations	66315 42 h-index	133188 59 g-index
531 all docs	531 docs citations	531 times ranked	4228 citing authors

#	Article	IF	Citations
1	Co-operative path planning of multiple UAVs using Dubins paths with clothoid arcs. Control Engineering Practice, 2010, 18, 1084-1092.	3.2	163
2	Distributed estimation over a low-cost sensor network: A Review of state-of-the-art. Information Fusion, 2020, 54, 21-43.	11.7	133
3	Collision Avoidance Strategies for Unmanned Aerial Vehicles in Formation Flight. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2718-2734.	2.6	106
4	Nonlinear Model Predictive Coordinated Standoff Tracking of a Moving Ground Vehicle. Journal of Guidance, Control, and Dynamics, 2013, 36, 557-566.	1.6	105
5	Real-Time Reentry Trajectory Planning of Hypersonic Vehicles: A Two-Step Strategy Incorporating Fuzzy Multiobjective Transcription and Deep Neural Network. IEEE Transactions on Industrial Electronics, 2020, 67, 6904-6915.	5.2	98
6	Composite Model Reference Adaptive Control with Parameter Convergence Under Finite Excitation. IEEE Transactions on Automatic Control, 2018, 63, 811-818.	3.6	97
7	Coordinated standoff tracking of moving target groups using multiple UAVs. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1501-1514.	2.6	95
8	Review of hybrid electric powered aircraft, its conceptual design and energy management methodologies. Chinese Journal of Aeronautics, 2021, 34, 432-450.	2.8	92
9	An energy-efficient path planning algorithm for unmanned surface vehicles. Ocean Engineering, 2018, 161, 308-321.	1.9	81
10	Generalized Hybrid Beamforming for Vehicular Connectivity Using THz Massive MIMO. IEEE Transactions on Vehicular Technology, 2019, 68, 8372-8383.	3.9	80
11	A review of optimization techniques in spacecraft flight trajectory design. Progress in Aerospace Sciences, 2019, 109, 100543.	6.3	80
12	Review of advanced guidance and control algorithms for space/aerospace vehicles. Progress in Aerospace Sciences, 2021, 122, 100696.	6.3	80
13	Design and Implementation of Deep Neural Network-Based Control for Automatic Parking Maneuver Process. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1400-1413.	7.2	80
14	Six-DOF Spacecraft Optimal Trajectory Planning and Real-Time Attitude Control: A Deep Neural Network-Based Approach. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5005-5013.	7.2	75
15	QoE-Aware Efficient Content Distribution Scheme For Satellite-Terrestrial Networks. IEEE Transactions on Mobile Computing, 2023, 22, 443-458.	3.9	74
16	Violation Learning Differential Evolution-Based hp-Adaptive Pseudospectral Method for Trajectory Optimization of Space Maneuver Vehicle. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2031-2044.	2.6	73
17	Solving Multiobjective Constrained Trajectory Optimization Problem by an Extended Evolutionary Algorithm. IEEE Transactions on Cybernetics, 2020, 50, 1630-1643.	6.2	73
18	Coordinated trajectory planning for efficient communication relay using multiple UAVs. Control Engineering Practice, 2014, 29, 42-49.	3.2	72

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19	Contaminant cloud boundary monitoring using network of UAV sensors. IEEE Sensors Journal, 2008, 8, 1681-1692.	2.4	69
20	Dual-Loop Tube-Based Robust Model Predictive Attitude Tracking Control for Spacecraft With System Constraints and Additive Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 4022-4033.	5.2	66
21	Trajectory Optimization of Space Maneuver Vehicle Using a Hybrid Optimal Control Solver. IEEE Transactions on Cybernetics, 2019, 49, 467-480.	6.2	63
22	Optimal Impact Angle Control Guidance Law Based on Linearization About Collision Triangle. Journal of Guidance, Control, and Dynamics, 2014, 37, 958-964.	1.6	61
23	Digital Twin Analysis to Promote Safety and Security in Autonomous Vehicles. IEEE Communications Standards Magazine, 2021, 5, 40-46.	3.6	61
24	Multi-objective trajectory optimization of Space Manoeuvre Vehicle using adaptive differential evolution and modified game theory. Acta Astronautica, 2017, 136, 273-280.	1.7	59
25	Rendezvous and Standoff Target Tracking Guidance Using Differential Geometry. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 389-405.	2.0	58
26	Energy efficient path planning for Unmanned Surface Vehicle in spatially-temporally variant environment. Ocean Engineering, 2020, 196, 106766.	1.9	57
27	Robust nonlinear filtering for INS/GPS UAV localization. , 2008, , .		56
28	Fuzzy multiobjective cooperative surveillance of multiple UAVs based on distributed predictive control for unknown ground moving target in urban environment. Aerospace Science and Technology, 2019, 84, 329-338.	2.5	56
29	Anonymous Hedonic Game for Task Allocation in a Large-Scale Multiple Agent System. IEEE Transactions on Robotics, 2018, 34, 1534-1548.	7.3	55
30	Fuzzy logic based equivalent consumption optimization of a hybrid electric propulsion system for unmanned aerial vehicles. Aerospace Science and Technology, 2019, 85, 13-23.	2.5	55
31	Consensus-based reconfigurable controller design for unmanned aerial vehicle formation flight. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2012, 226, 817-829.	0.7	54
32	Two-Stage Trajectory Optimization for Autonomous Ground Vehicles Parking Maneuver. IEEE Transactions on Industrial Informatics, 2019, 15, 3899-3909.	7.2	53
33	Application of NDT thermographic imaging of aerospace structures. Infrared Physics and Technology, 2019, 97, 456-466.	1.3	52
34	Multiobjective Overtaking Maneuver Planning for Autonomous Ground Vehicles. IEEE Transactions on Cybernetics, 2021, 51, 4035-4049.	6.2	51
35	Direct Intercept Guidance using Differential Geometry Concepts. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 899-919.	2.6	50
36	Voronoi-Visibility Roadmap-based Path Planning Algorithm for Unmanned Surface Vehicles. Journal of Navigation, 2019, 72, 850-874.	1.0	50

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37	Decentralised Standoff Tracking of Moving Targets Using Adaptive Sliding Mode Control for UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 76, 169-183.	2.0	49
38	Trajectory Optimization for Target Localization With Bearing-Only Measurement. IEEE Transactions on Robotics, 2019, 35, 653-668.	7.3	49
39	Generalized Quadrature Spatial Modulation and its Application to Vehicular Networks With NOMA. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4030-4039.	4.7	49
40	Unified Multiobjective Optimization Scheme for Aeroassisted Vehicle Trajectory Planning. Journal of Guidance, Control, and Dynamics, 2018, 41, 1521-1530.	1.6	48
41	Multi-Sensor Multi-Target Tracking Using Domain Knowledge and Clustering. IEEE Sensors Journal, 2018, 18, 8074-8084.	2.4	48
42	Improved Gradient-Based Algorithm for Solving Aeroassisted Vehicle Trajectory Optimization Problems. Journal of Guidance, Control, and Dynamics, 2017, 40, 2093-2101.	1.6	46
43	Solving Constrained Trajectory Planning Problems Using Biased Particle Swarm Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1685-1701.	2.6	46
44	Differential Geometric Guidance Based on the Involute of the Target's Trajectory. Journal of Guidance, Control, and Dynamics, 2005, 28, 990-996.	1.6	45
45	Multiobjective Optimal Parking Maneuver Planning of Autonomous Wheeled Vehicles. IEEE Transactions on Industrial Electronics, 2020, 67, 10809-10821.	5.2	45
46	3D Dubins Sets Based Coordinated Path Planning for Swarm of UAVs. , 2006, , .		44
47	An autonomous system for maintenance scheduling data-rich complex infrastructure: Fusing the railwaysâ€™ condition, planning and cost. Transportation Research Part C: Emerging Technologies, 2018, 89, 234-253.	3.9	44
48	Fuzzy physical programming for Space Manoeuvre Vehicles trajectory optimization based on hp-adaptive pseudospectral method. Acta Astronautica, 2016, 123, 62-70.	1.7	43
49	3D Path Planning for Multiple UAVs Using Pythagorean Hodograph Curves. , 2007, , .		42
50	A solution to simultaneous arrival of multiple UAVs using Pythagorean hodograph curves. , 2006, , .		40
51	Differential Geometric Path Planning of Multiple UAVs. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 620-632.	0.9	40
52	Optimal Tracking Guidance for Aeroassisted Spacecraft Reconnaissance Mission Based on Receding Horizon Control. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1575-1588.	2.6	40
53	A New Three-Dimensional Sliding Mode Guidance Law Variation With Finite Time Convergence. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2221-2232.	2.6	39
54	Coordinated road-network search route planning by a team of UAVs. International Journal of Systems Science, 2014, 45, 825-840.	3.7	36

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55	Integrity Analysis for GPS-Based Navigation of UAVs in Urban Environment. Robotics, 2020, 9, 66.	2.1	36
56	Optimal three-dimensional impact time guidance with seekerâ€™s field-of-view constraint. Chinese Journal of Aeronautics, 2021, 34, 240-251.	2.8	36
57	Indoor UAV Control Using Multi-Camera Visual Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 57-84.	2.0	34
58	Comparison of Cooled and Uncooled IR Sensors by Means of Signal-to-Noise Ratio for NDT Diagnostics of Aerospace Grade Composites. Sensors, 2020, 20, 3381.	2.1	34
59	Adaptive flight control design for nonlinear missile. Control Engineering Practice, 2005, 13, 373-382.	3.2	33
60	Robust Sensor-Based Navigation for Mobile Robots. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 551-556.	2.4	33
61	Coordinated Standoff Tracking Using Path Shaping for Multiple UAVs. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 348-363.	2.6	33
62	GAPointNet: Graph attention based point neural network for exploiting local feature of point cloud. Neurocomputing, 2021, 438, 122-132.	3.5	32
63	Vehicle Localization Using Sensors Data Fusion Via Integration of Covariance Intersection and Interval Analysis. IEEE Sensors Journal, 2007, 7, 1302-1314.	2.4	31
64	Efficient Path Planning Algorithms for Unmanned Surface Vehicle. IFAC-PapersOnLine, 2016, 49, 121-126.	0.5	31
65	An Enhanced Particle Swarm Optimization Method Integrated With Evolutionary Game Theory. IEEE Transactions on Games, 2018, 10, 221-230.	1.2	31
66	Robust Autopilot for a Quasi-Linear Parameter-Varying Missile Model. Journal of Guidance, Control, and Dynamics, 2001, 24, 287-295.	1.6	30
67	Path Planning of Multiple UAVs Using Dubins Sets. , 2005, , .		30
68	Missile autopilot design using quasi-LPV polynomial eigenstructure assignment. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 1470-1483.	2.6	30
69	Trustworthy Deep Learning in 6G-Enabled Mass Autonomy: From Concept to Quality-of-Trust Key Performance Indicators. IEEE Vehicular Technology Magazine, 2020, 15, 112-121.	2.8	30
70	Cooperative interception strategy for multiple inferior missiles against one highly maneuvering target. Aerospace Science and Technology, 2018, 80, 91-100.	2.5	29
71	Switching LOS guidance with speed allocation and vertical course control for path-following of unmanned underwater vehicles under ocean current disturbances. Ocean Engineering, 2019, 182, 412-426.	1.9	29
72	Improving Depth Resolution of Ultrasonic Phased Array Imaging to Inspect Aerospace Composite Structures. Sensors, 2020, 20, 559.	2.1	29

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73	Deep Learning-Based Trajectory Planning and Control for Autonomous Ground Vehicle Parking Maneuver. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1633-1647.	3.4	29
74	A framework for multi-objective optimisation based on a new self-adaptive particle swarm optimisation algorithm. Information Sciences, 2017, 420, 364-385.	4.0	28
75	Distributed Joint Probabilistic Data Association Filter With Hybrid Fusion Strategy. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 286-300.	2.4	28
76	Convergence proof of an enhanced Particle Swarm Optimisation method integrated with Evolutionary Game Theory. Information Sciences, 2016, 346-347, 389-411.	4.0	27
77	Capturability of 3D PPN Against Lower-Speed Maneuvering Target for Homing Phase. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 711-722.	2.6	27
78	RoIFusion: 3D Object Detection From LiDAR and Vision. IEEE Access, 2021, 9, 51710-51721.	2.6	27
79	Real-time Implementation of YOLO+JPDA for Small Scale UAV Multiple Object Tracking. , 2018, , .		26
80	Sensor-Based Robust Incremental Three-Dimensional Guidance Law with Terminal Angle Constraint. Journal of Guidance, Control, and Dynamics, 2021, 44, 2016-2030.	1.6	26
81	Dubins Path Planning of Multiple Unmanned Airborne Vehicles for Communication Relay. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2011, 225, 12-25.	0.7	25
82	Behaviour recognition of ground vehicle using airborne monitoring of unmanned aerial vehicles. International Journal of Systems Science, 2014, 45, 2499-2514.	3.7	25
83	Optimal fuel consumption finite-thrust orbital hopping of aeroassisted spacecraft. Aerospace Science and Technology, 2018, 75, 172-182.	2.5	25
84	Modelling and Verification of Multiple UAV Mission Using SMV. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 20, 22-33.	0.8	25
85	Collision avoidance and path planning of multiple UAVs using flyable paths in 3D. , 2010, , .		24
86	UAV Obstacle Avoidance using Differential Geometry Concepts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6325-6330.	0.4	24
87	Sizing of hybrid electric propulsion system for retrofitting a mid-scale aircraft using non-dominated sorting genetic algorithm. Aerospace Science and Technology, 2018, 82-83, 323-333.	2.5	24
88	Joint Probabilistic Data Association Filter with Unknown Detection Probability and Clutter Rate. Sensors, 2018, 18, 269.	2.1	24
89	Solving Trajectory Optimization Problems in the Presence of Probabilistic Constraints. IEEE Transactions on Cybernetics, 2020, 50, 4332-4345.	6.2	24
90	Capturability of a Sliding-Mode Guidance Law With Finite-Time Convergence. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2312-2325.	2.6	24

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91	Trajectory planning for hypersonic reentry vehicle satisfying deterministic and probabilistic constraints. Acta Astronautica, 2020, 177, 30-38.	1.7	24
92	Computational Missile Guidance: A Deep Reinforcement Learning Approach. Journal of Aerospace Information Systems, 2021, 18, 571-582.	1.0	24
93	Robust Covariance Estimation for Data Fusion From Multiple Sensors. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3833-3844.	2.4	22
94	Energy Management in Swarm of Unmanned Aerial Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 233-250.	2.0	22
95	Road-mapâ€“assisted standoff tracking of moving ground vehicle using nonlinear model predictive control. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 975-986.	2.6	22
96	Trajectory Optimization for Multitarget Tracking Using Joint Probabilistic Data Association Filter. Journal of Guidance, Control, and Dynamics, 2020, 43, 170-178.	1.6	22
97	Sensor based robot localisation and navigation: using interval analysis and unscented Kalman filter. , 2004, , .		21
98	Fuzzy multi-objective design for a lateral missile autopilot. Control Engineering Practice, 2006, 14, 547-561.	3.2	21
99	Design and Development of a Novel Spherical UAV. IFAC-PapersOnLine, 2016, 49, 320-325.	0.5	21
100	Development of a fuel cell hybrid-powered unmanned aerial vehicle. , 2016, , .		21
101	Concurrent Learning Adaptive Control With Directional Forgetting. IEEE Transactions on Automatic Control, 2019, 64, 5164-5170.	3.6	21
102	Robust Brightness Description for Computing Optical Flow. , 2008, , .		21
103	Coordinated standoff tracking of groups of moving targets using multiple UAVs. , 2013, , .		20
104	Minimum-Effort Waypoint-Following Guidance. Journal of Guidance, Control, and Dynamics, 2019, 42, 1551-1561.	1.6	20
105	Stochastic Spacecraft Trajectory Optimization With the Consideration of Chance Constraints. IEEE Transactions on Control Systems Technology, 2020, 28, 1550-1559.	3.2	20
106	UAV Conflict Detection and Resolution for Static and Dynamic Obstacles. , 2008, , .		19
107	Development of Collision Avoidance Algorithms for the C-Enduro USV. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12174-12181.	0.4	19
108	Kripke modelling approaches of a multiple robots system with minimalist communication: A formal approach of choice. International Journal of Systems Science, 2006, 37, 339-349.	3.7	18

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109	Multi UAV Coordination for Tracking the Dispersion of a Contaminant Cloud in an Urban Region. European Journal of Control, 2009, 15, 441-448.	1.6	18
110	Modelling and control of a hybrid electric propulsion system for unmanned aerial vehicles. , 2018, , .		18
111	Fast Generation of Chance-Constrained Flight Trajectory for Unmanned Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1028-1045.	2.6	18
112	Incremental Twisting Fault Tolerant Control for Hypersonic Vehicles With Partial Model Knowledge. IEEE Transactions on Industrial Informatics, 2022, 18, 1050-1060.	7.2	18
113	Pythagorean Hodograph (PH) Path Planning for Tracking Airborne Contaminant using Sensor Swarm. , 2008, , .		17
114	Unmanned aerial vehicle navigation and mapping. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2008, 222, 531-548.	0.7	17
115	Adaptive Control with Neural Networks-based Disturbance Observer for a Spherical UAV. IFAC-PapersOnLine, 2016, 49, 308-313.	0.5	17
116	Track-Oriented Multiple Hypothesis Tracking Based on Tabu Search and Gibbs Sampling. IEEE Sensors Journal, 2018, 18, 328-339.	2.4	17
117	EuroDRONE, A European UTM Testbed for U-Space. , 2020, , .		17
118	Performance of 3-D PPN Against Arbitrarily Maneuvering Target for Homing Phase. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3878-3891.	2.6	17
119	Earliest Intercept Line Guidance: A Novel Concept for Improving Mid-Course Guidance in Area Air Defence. , 2005, , .		16
120	Guest Editorial Introduction to the Special Issue on Multivehicle Systems Cooperative Control With Application. IEEE Transactions on Control Systems Technology, 2007, 15, 599-600.	3.2	16
121	Precise Vehicle Location as a Fundamental Parameter for Intelligent Self-aware Rail-track Maintenance Systems. Procedia CIRP, 2014, 22, 219-224.	1.0	16
122	An Interactive Fuzzy Physical Programming for Solving Multiobjective Skip Entry Problem. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2385-2398.	2.6	16
123	Nonlinear Analytical Uncertainty Propagation for Relative Motion near J2-Perturbed Elliptic Orbits. Journal of Guidance, Control, and Dynamics, 2018, 41, 888-903.	1.6	16
124	Two-layer adaptive augmentation for incremental backstepping flight control of transport aircraft in uncertain conditions. Aerospace Science and Technology, 2020, 105, 106051.	2.5	16
125	A survey of task allocation techniques in MAS. , 2021, , .		16
126	Reachability guidance: a novel concept to improve mid-course guidance. , 0, , .		15

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127	UAV optimum energy assignment using Dijkstra's Algorithm. , 2007, , .		15
128	A Two-Step Optimisation Method for Dynamic Weapon Target Assignment Problem. , 0, , .		15
129	Novel Evolutionary Game Based Multi-Objective Optimisation for Dynamic Weapon Target Assignment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3936-3941.	0.4	15
130	Debris Rotation Analysis During Tethered Towing for Active Debris Removal. Journal of Guidance, Control, and Dynamics, 2017, 40, 1769-1778.	1.6	15
131	Local information-based control for probabilistic swarm distribution guidance. Swarm Intelligence, 2018, 12, 327-359.	1.3	15
132	Sample greedy gossip distributed Kalman filter. Information Fusion, 2020, 64, 259-269.	11.7	15
133	Power Control Optimization for Large-Scale Multi-Antenna Systems. IEEE Transactions on Wireless Communications, 2020, 19, 7339-7352.	6.1	15
134	Cooperative allocation and guidance for air defence application. Control Engineering Practice, 2014, 32, 236-244.	3.2	14
135	Target detection using Gaussian mixture models and fourier transforms for UAV maritime search and rescue. , 2017, , .		14
136	Efficient Decentralized Task Allocation for UAV Swarms in Multi-target Surveillance Missions. , 2019, , .		14
137	Airport Connectivity Optimization for 5G Ultra-Dense Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 980-989.	4.9	14
138	Information-Theoretic Joint Probabilistic Data Association Filter. IEEE Transactions on Automatic Control, 2021, 66, 1262-1269.	3.6	14
139	Learning prediction-correction guidance for impact time control. Aerospace Science and Technology, 2021, 119, 107187.	2.5	14
140	Distributed embedded condition monitoring systems based on OSA-CBM standard. Computer Standards and Interfaces, 2013, 35, 238-246.	3.8	13
141	Optimal Guidance and Its Applications in Missiles and UAVs. Springer Aerospace Technology, 2020, , .	0.2	13
142	Development of a thermal excitation source used in an active thermographic UAV platform. Quantitative InfraRed Thermography Journal, 2023, 20, 198-229.	2.1	13
143	Earliest Intercept Line Guidance Using a Game Theory Approach. , 2006, , .		12
144	Resource allocation with cooperative path planning for multiple UAVs. , 2012, , .		12

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145	Decentralised submodular multi-robot Task Allocation. , 2015, , .		12
146	Verifying Collision Avoidance Behaviours for Unmanned Surface Vehicles using Probabilistic Model Checking. IFAC-PapersOnLine, 2016, 49, 127-132.	0.5	12
147	Efficient path following algorithm for unmanned surface vehicle. , 2016, , .		12
148	A Switching LOS Guidance with Relative Kinematics for Path-Following of Underactuated Underwater Vehicles. IFAC-PapersOnLine, 2017, 50, 2290-2295.	0.5	12
149	Understandings of Classical and Incremental Backstepping Controllers With Model Uncertainties. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2628-2641.	2.6	12
150	Distributed multiple model joint probabilistic data association with Gibbs sampling-aided implementation. Information Fusion, 2020, 64, 20-31.	11.7	12
151	Robust augmented lateral acceleration flight control design for a quasi-linear parameter-varying missile. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2005, 219, 171-181.	0.7	11
152	Towards a fully autonomous swarm of unmanned aerial vehicles. , 2012, , .		11
153	Energy management in swarm of Unmanned Aerial Vehicles. , 2013, , .		11
154	Frequency channel assignment for networked UAVs using a hedonic game. , 2017, , .		11
155	Neural-networks-based Adaptive Control for an Uncertain Nonlinear System with Asymptotic Stability. International Journal of Control, Automation and Systems, 2018, 16, 1989-2001.	1.6	11
156	Attitude control analysis of tethered de-orbiting. Acta Astronautica, 2018, 146, 316-331.	1.7	11
157	Inspection of Aircraft Wing Panels Using Unmanned Aerial Vehicles. Sensors, 2019, 19, 1824.	2.1	11
158	Computational Guidance Using Sparse Gauss-Hermite Quadrature Differential Dynamic Programming. IFAC-PapersOnLine, 2019, 52, 13-18.	0.5	11
159	Two-Layer On-line Parameter Estimation for Adaptive Incremental Backstepping Flight Control for a Transport Aircraft in Uncertain Conditions. IFAC-PapersOnLine, 2019, 52, 411-416.	0.5	11
160	Energy-Optimal Waypoint-Following Guidance Considering Autopilot Dynamics. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2701-2717.	2.6	11
161	High-fidelity trajectory optimization for aeroassisted vehicles using variable order pseudospectral method. Chinese Journal of Aeronautics, 2021, 34, 237-251.	2.8	11
162	Differential geometric guidance based on the involute of the target's trajectory: 2-D aspects. , 2004, , .		10

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163	Nonlinear Model Predictive Coordinated Standoff Tracking of Moving Ground Vehicle. , 2011, , .		10
164	Kripke modelling and verification of temporal specifications of a multiple UAV system. Annals of Mathematics and Artificial Intelligence, 2011, 63, 31-52.	0.9	10
165	Airborne behaviour monitoring using Gaussian processes with map information. IET Radar, Sonar and Navigation, 2013, 7, 393-400.	0.9	10
166	Multiple Threats Sense and Avoid Algorithm for Static and Dynamic Obstacles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 77, 215-228.	2.0	10
167	Behavior Monitoring Using Learning Techniques and Regular-Expressions-Based Pattern Matching. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1289-1302.	4.7	10
168	Parametric Study on Formation Flying Effectiveness for a Blended-Wing UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 179-191.	2.0	10
169	Probability Collectives Algorithm applied to Decentralized Intersection Coordination for Connected Autonomous Vehicles. , 2019, , .		10
170	Evolutionary Game Theory based Multi-Objective Optimization for Control Allocation of Over-Actuated System. IFAC-PapersOnLine, 2019, 52, 310-315.	0.5	10
171	Identification of Communication Signals Using Learning Approaches for Cognitive Radio Applications. IEEE Access, 2020, 8, 128930-128941.	2.6	10
172	Handover Prediction for Aircraft Dual Connectivity Using Model Predictive Control. IEEE Access, 2021, 9, 44463-44475.	2.6	10
173	EuroDRONE, a European Unmanned Traffic Management Testbed for U-Space. Drones, 2022, 6, 53.	2.7	10
174	Quasilinear Parameter-Varying Autopilot Design Using Polynomial Eigenstructure Assignment with Actuator Constraints. Journal of Guidance, Control, and Dynamics, 2006, 29, 1282-1294.	1.6	9
175	Dubins Path Planning of Multiple UAVs for Tracking Contaminant Cloud. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5718-5723.	0.4	9
176	Differential Geometry based Collision Avoidance Guidance for Multiple UAVs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 113-118.	0.4	9
177	A combinatorial auction framework for decentralised task allocation. , 2014, , .		9
178	Multi-Objective UAV routing. , 2014, , .		9
179	Verification of heterogeneous multi-agent system using MCMAS. International Journal of Systems Science, 2015, 46, 634-651.	3.7	9
180	Cooperative Control for a Flight Array of UAVs and an Application in Radar Jamming * *The authors gratefully acknowledge that this research was supported by International Joint Research Programme with Chungnam National University (No. EFA3004Z). IFAC-PapersOnLine, 2017, 50, 8011-8018.	0.5	9

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181	Understandings of incremental backstepping controller considering measurement delay with model uncertainty. Aerospace Science and Technology, 2021, 109, 106408.	2.5	9
182	Near-Optimal Midcourse Guidance for Velocity Maximization with Constrained Arrival Angle. Journal of Guidance, Control, and Dynamics, 2021, 44, 172-180.	1.6	9
183	The consensus of non-linear agents under switching topology using dynamic inversion in the presence of communication noise and delay. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 352-367.	0.7	9
184	Optimal topology for consensus using genetic algorithm. Neurocomputing, 2020, 404, 41-49.	3.5	9
185	Robust performance study for lateral autopilot of a quasi-linear parameter-varying missile. , 0, , .		8
186	Contaminant Cloud Boundary Monitoring Using UAV Sensor Swarms. , 2007, , .		8
187	Centralized/decentralized control for spacecraft formation flying near Sun-Earth L2 point. , 2009, , .		8
188	Nonlinear relative position control of precise formation flying using polynomial eigenstructure assignment. Acta Astronautica, 2011, 68, 1830-1838.	1.7	8
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