

Haibin Duan

List of Publications by Year in descending order

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218
papers

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81434

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224
all docs

224
docs citations

224
times ranked

3835
citing authors

#	ARTICLE	IF	CITATIONS
1	Leader-Follower Interactive Potential for Target Enclosing of Perception-Limited UAV Groups. IEEE Systems Journal, 2022, 16, 856-867.	2.9	10
2	A multi-strategy pigeon-inspired optimization approach to active disturbance rejection control parameters tuning for vertical take-off and landing fixed-wing UAV. Chinese Journal of Aeronautics, 2022, 35, 19-30.	2.8	24
3	Biological eagle eye-based method for change detection in water scenes. Pattern Recognition, 2022, 122, 108203.	5.1	13
4	Active disturbance rejection attitude control of unmanned quadrotor via paired coevolution pigeon-inspired optimization. Aircraft Engineering and Aerospace Technology, 2022, 94, 302-314.	0.7	7
5	A continuous modeling method via improved pigeon-inspired optimization for wake vortices in UAVs close formation flight. Aerospace Science and Technology, 2022, 120, 107259.	2.5	12
6	3D-Laminated Graphene with Combined Laser Irradiation and Resin Infiltration toward Designable Macrostructure and Multifunction. Advanced Science, 2022, 9, e2200362.	5.6	7
7	Automatic Landing for Carrier-Based Aircraft Under the Conditions of Deck Motion and Carrier Airwake Disturbances. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5276-5291.	2.6	12
8	Hybrid formation control framework for solar-powered quadrotors via adaptive fission pigeon-inspired optimization. Aerospace Science and Technology, 2022, 126, 107564.	2.5	3
9	Collision-free formation-containment control for a group of UAVs with unknown disturbances. Aerospace Science and Technology, 2022, 126, 107618.	2.5	15
10	Create Machine Vision Inspired by Eagle Eye. Research, 2022, 2022, .	2.8	3
11	Exploring Image Generation for UAV Change Detection. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1061-1072.	8.5	9
12	Distributed Cooperative Control of Multiple UAVs in the Presence of Actuator Faults and Input Constraints. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4463-4467.	2.2	5
13	Multicluster Consensus for Large-Scale Heterogeneous Manned/Unmanned Aerial Team With Random Link Failure via Pinning Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4924-4928.	2.2	2
14	Dynamic Discrete Pigeon-Inspired Optimization for Multi-UAV Cooperative Search-Attack Mission Planning. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 706-720.	2.6	84
15	Unmanned Aerial Vehicle Recognition of Maritime Small-Target Based on Biological Eagle-Eye Vision Adaptation Mechanism. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3368-3382.	2.6	11
16	Multi-UAV Cooperative Path Planning via Mutant Pigeon Inspired Optimization with Group Learning Strategy. Lecture Notes in Computer Science, 2021, , 195-204.	1.0	1
17	Pigeon-Inspired Circular Formation Control for Multi-UAV System with Limited Target Information. Research on World Agricultural Economy, 2021, 01, 2150004.	0.8	26
18	Manned Aircraft and Unmanned Aerial Vehicle Heterogeneous Formation Flight Control via Heterogeneous Pigeon Flock Consistency. Unmanned Systems, 2021, 09, 227-236.	2.7	9

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19	Bionic Visual Control for Probe-and-Drogue Autonomous Aerial Refueling. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 848-865.	2.6	23
20	Distributed planar formation maneuvering of leader-follower networked systems via a barycentric coordinate-based approach. Science China Technological Sciences, 2021, 64, 1705-1718.	2.0	9
21	Data Augmentation Using Image Generation for Change Detection. , 2021, , .		1
22	Homing Pigeon-Inspired Autonomous Navigation System for Unmanned Aerial Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2218-2224.	2.6	7
23	Adaptive Kalman Filter for SINS/GPS Integration System with Measurement Noise Uncertainty. , 2021, , .		1
24	A Novel Visual Perception Framework for Unmanned Aerial Vehicles: Challenges and Approaches. , 2021, , .		1
25	Multi-UAV Interception Inspired by Harrisâ€™™ Hawks Cooperative Hunting Behavior. , 2021, , .		0
26	Data-driven Parameter Estimation for VTOL UAV Using Opposition-Based Pigeon-Inspired Optimization Algorithm. , 2021, , .		0
27	A multi-objective pigeon-inspired optimization approach to UAV distributed flocking among obstacles. Information Sciences, 2020, 509, 515-529.	4.0	110
28	Affine transformation based formation maneuvering for discrete-time directed networked systems. Science China Technological Sciences, 2020, 63, 73-85.	2.0	10
29	A Binary Tree Based Coordination Scheme for Target Enclosing with Micro Aerial Vehicles. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	3.7	10
30	Multi-UAV obstacle avoidance control via multi-objective social learning pigeon-inspired optimization. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 740-748.	1.5	34
31	Limit-Cycle-Based Mutant Multiobjective Pigeon-Inspired Optimization. IEEE Transactions on Evolutionary Computation, 2020, 24, 948-959.	7.5	27
32	Eventâ€based modelâ€free sliding mode control for an inspection robot. Advanced Control for Applications, 2020, 2, e33.	0.8	5
33	A cascade adaboost and CNN algorithm for drogue detection in UAV autonomous aerial refueling. Neurocomputing, 2020, 408, 121-134.	3.5	26
34	Multi-objective clustering analysis via combinatorial pigeon inspired optimization. Science China Technological Sciences, 2020, 63, 1302-1313.	2.0	10
35	Cooperative Control and Optimization. Advanced Control for Applications, 2020, 2, e37.	0.8	0
36	Binary Pigeon-Inspired Optimization for Quadrotor Swarm Formation Control. Lecture Notes in Computer Science, 2020, , 71-82.	1.0	2

#	ARTICLE	IF	CITATIONS
37	EAGLE-VISION-INSPIRED VISUAL MEASUREMENT ALGORITHM FOR UAV'S AUTONOMOUS LANDING. International Journal of Robotics and Automation, 2020, 35, .	0.1	5
38	Aerial Robot Formation Control via Pigeon-Inspired Optimization. , 2020, , 1143-1180.		1
39	Leadership Hierarchy-based Formation Control via Adaptive Chaotic Pigeon-inspired Optimization. IFAC-PapersOnLine, 2020, 53, 9348-9353.	0.5	1
40	New advances in multiple autonomous aerial robots formation control technology. Science China Technological Sciences, 2019, 62, 1871-1872.	2.0	3
41	Binocular Pose Estimation for UAV Autonomous Aerial Refueling via Brain Storm Optimization. , 2019, , .		3
42	Cooperative Path Planning for Multiple Robots With Motion Constraints in Obstacle-Strewn Environment. IEEE Access, 2019, 7, 132286-132301.	2.6	11
43	Robust Cooperative Target Detection for a Vision-Based UAVs Autonomous Aerial Refueling Platform via the Contrast Sensitivity Mechanism of Eagle's Eye. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 18-30.	2.3	14
44	Target-enclosing affine formation control of two-layer networked spacecraft with collision avoidance. Chinese Journal of Aeronautics, 2019, 32, 2679-2693.	2.8	29
45	Bionic visual close-range navigation control system for the docking stage of probe-and-drogue autonomous aerial refueling. Aerospace Science and Technology, 2019, 91, 136-149.	2.5	25
46	Live-fly experimentation for pigeon-inspired obstacle avoidance of quadrotor unmanned aerial vehicles. Science China Information Sciences, 2019, 62, 1.	2.7	10
47	Advancements in pigeon-inspired optimization and its variants. Science China Information Sciences, 2019, 62, 1.	2.7	26
48	Coevolution Pigeon-Inspired Optimization with Cooperation-Competition Mechanism for Multi-UAV Cooperative Region Search. Applied Sciences (Switzerland), 2019, 9, 827.	1.3	18
49	Unmanned aerial systems coordinate target allocation based on wolf behaviors. Science China Information Sciences, 2019, 62, 1.	2.7	21
50	Emergence of higher-level neuron properties using a hierarchical statistical distribution model. Science China Technological Sciences, 2019, 62, 628-634.	2.0	0
51	Two-layer distributed hybrid affine formation control of networked Euler-Lagrange systems. Journal of the Franklin Institute, 2019, 356, 2172-2197.	1.9	22
52	Distributed Adaptive Affine Formation Control for Heterogeneous Linear Networked Systems. IEEE Access, 2019, 7, 23354-23364.	2.6	7
53	Model Free Sliding Mode Control for Inspection Robot Based on Pigeon-Inspired optimization. , 2019, , .		2
54	Mobile Robot ADRC With an Automatic Parameter Tuning Mechanism via Modified Pigeon-Inspired Optimization. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2616-2626.	3.7	47

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55	Parameter Estimation for a VTOL UAV Using Mutant Pigeon Inspired Optimization Algorithm with Dynamic OBL Strategy. , 2019, , .		0
56	Quadrotor Swarm Flight Experimentation Inspired by Pigeon Flock Topology. , 2019, , .		4
57	Predator-Prey Pigeon-Inspired Optimization for UAV ALS Longitudinal Parameters Tuning. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2347-2358.	2.6	23
58	Affine formation control for heterogeneous multi-agent systems with directed interaction networks. Neurocomputing, 2019, 330, 104-115.	3.5	23
59	Hierarchical visual attention model for saliency detection inspired by avian visual pathways. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 540-552.	8.5	17
60	On-board visual navigation system for unmanned aerial vehicles autonomous aerial refueling. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 1193-1203.	0.7	5
61	Switching topology approach for UAV formation based on binary-tree network. Journal of the Franklin Institute, 2019, 356, 835-859.	1.9	34
62	Fatigue crack fault diagnosis and prognosis based on hidden semi-Markov model. Journal of Engineering, 2019, 2019, 406-410.	0.6	8
63	Close formation flight of swarm unmanned aerial vehicles via metric-distance brain storm optimization. Memetic Computing, 2018, 10, 369-381.	2.7	5
64	Unmanned Aerial Vehicle Distributed Formation Rotation Control Inspired by Leader-Follower Reciprocation of Migrant Birds. IEEE Access, 2018, 6, 23431-23443.	2.6	17
65	Identification for a reentry vehicle via Levy flight-based pigeon-inspired optimization. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 626-637.	0.7	6
66	Automatic salient object sequence rebuilding for video segment analysis. Science China Information Sciences, 2018, 61, 1.	2.7	7
67	Pigeon-inspired optimization and lateral inhibition for image matching of autonomous aerial refueling. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1571-1583.	0.7	7
68	A Kalman Filtering Algorithm Based on Pigeon-inspired Optimization for Target Tracking in Autonomous Aerial Refueling. , 2018, , .		1
69	Fractional-order controllers optimized via heterogeneous comprehensive learning pigeon-inspired optimization for autonomous aerial refueling hose-drogue system. Aerospace Science and Technology, 2018, 81, 1-13.	2.5	26
70	Social-class pigeon-inspired optimization and time stamp segmentation for multi-UAV cooperative path planning. Neurocomputing, 2018, 313, 229-246.	3.5	75
71	Edge-based target detection for unmanned aerial vehicles using competitive Bird Swarm Algorithm. Aerospace Science and Technology, 2018, 78, 708-720.	2.5	35
72	Automatic Carrier Landing System multilayer parameter design based on Cauchy Mutation Pigeon-Inspired Optimization. Aerospace Science and Technology, 2018, 79, 518-530.	2.5	40

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73	Biological Eagle-Eye-Based Visual Platform for Target Detection. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 3125-3136.	2.6	10
74	Unmanned aerial vehicle formation controller design via the behavior mechanism in wild geese based on Levy flight pigeon-inspired optimization. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2018, 48, 161-169.	0.3	6
75	Three-Dimensional Path Planning for Uninhabited Combat Aerial Vehicle Based on Predator-Prey Pigeon-Inspired Optimization in Dynamic Environment. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 97-107.	1.9	123
76	Robust attitude control for reusable launch vehicles based on fractional calculus and pigeon-inspired optimization. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 89-97.	8.5	19
77	Automatic target recognition system for unmanned aerial vehicle via backpropagation artificial neural network. Aircraft Engineering and Aerospace Technology, 2017, 89, 145-154.	0.7	13
78	A potential game approach to multiple UAV cooperative search and surveillance. Aerospace Science and Technology, 2017, 68, 403-415.	2.5	95
79	Fast image matching via multi-scale Gaussian mutation pigeon-inspired optimization for low cost quadrotor. Aircraft Engineering and Aerospace Technology, 2017, 89, 777-790.	0.7	8
80	Distributed UAV flocking control based on homing pigeon hierarchical strategies. Aerospace Science and Technology, 2017, 70, 257-264.	2.5	49
81	Multiple UAV distributed close formation control based on in-flight leadership hierarchies of pigeon flocks. Aerospace Science and Technology, 2017, 70, 471-486.	2.5	44
82	Active disturbance rejection control for small unmanned helicopters via Levy flight-based pigeon-inspired optimization. Aircraft Engineering and Aerospace Technology, 2017, 89, 946-952.	0.7	20
83	Pigeon interaction mode switch-based UAV distributed flocking control under obstacle environments. ISA Transactions, 2017, 71, 93-102.	3.1	31
84	Avian contrast sensitivity inspired contour detector for unmanned aerial vehicle landing. Science China Technological Sciences, 2017, 60, 1958-1965.	2.0	3
85	LÃ©vy flight based pigeon-inspired optimization for control parameters optimization in automatic carrier landing system. Aerospace Science and Technology, 2017, 61, 11-20.	2.5	51
86	Chaotic predator-prey brain storm optimization for continuous optimization problems. , 2017, , .		5
87	Flying vehicle longitudinal controller design via prey-predator pigeon-inspired optimization. , 2017, , .		3
88	Drogue pose estimation for unmanned aerial vehicle autonomous aerial refueling system based on infrared vision sensor. Optical Engineering, 2017, 56, 1.	0.5	11
89	Progresses in biological eagle-eye vision technology. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2017, 47, 514-523.	0.3	7
90	Multi-objective optimization design of induction magnetometer based on improved chemical reaction algorithm. Journal of Electromagnetic Waves and Applications, 2017, 31, 1134-1150.	1.0	0

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91	Structural design and performance analysis for a novel wheel-legged rescue robot. , 2016, , .		2
92	Pendulum-like oscillation controller for UAV based on Lévy-flight pigeon-inspired optimization and LQR. , 2016, , .		1
93	Convergence analysis of brain storm optimization algorithm. , 2016, , .		10
94	Structure optimization of permanent magnet spherical motor utilizing improved Particle Swarm algorithm. , 2016, , .		3
95	Altitude consensus based 3D flocking control for fixed-wing unmanned aerial vehicle swarm trajectory tracking. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 2628-2638.	0.7	18
96	A binocular vision-based UAVs autonomous aerial refueling platform. Science China Information Sciences, 2016, 59, 1.	2.7	23
97	Verification of monocular and binocular pose estimation algorithms in vision-based UAVs autonomous aerial refueling system. Science China Technological Sciences, 2016, 59, 1730-1738.	2.0	17
98	A binocular vision-based measuring system for UAVs autonomous aerial refueling. , 2016, , .		6
99	Hybrid membrane computing and pigeon-inspired optimization algorithm for brushless direct current motor parameter design. Science China Technological Sciences, 2016, 59, 1435-1441.	2.0	8
100	Control parameter design for automatic carrier landing system via pigeon-inspired optimization. Nonlinear Dynamics, 2016, 85, 97-106.	2.7	67
101	Pigeon inspired optimization approach to model prediction control for unmanned air vehicles. Aircraft Engineering and Aerospace Technology, 2016, 88, 108-116.	0.8	21
102	Echo State Networks With Orthogonal Pigeon-Inspired Optimization for Image Restoration. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2413-2425.	7.2	99
103	Optimal Impulsive Thrust Trajectories for Satellite Formation via Improved Brainstorm Optimization. Lecture Notes in Computer Science, 2016, , 491-499.	1.0	1
104	Chaotic Chemical Reaction Optimization Approach to Receding Horizon Control for Multiple UAVs Formation. , 2015, , .		0
105	Markov decision evolutionary game theoretic learning for cooperative sensing of unmanned aerial vehicles. Science China Technological Sciences, 2015, 58, 1392-1400.	2.0	14
106	Multi-objective pigeon-inspired optimization for brushless direct current motor parameter design. Science China Technological Sciences, 2015, 58, 1915-1923.	2.0	52
107	Artificial bee colony-based direct collocation for reentry trajectory optimization of hypersonic vehicle. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 615-626.	2.6	73
108	New progresses in swarm intelligence-based computation. International Journal of Bio-Inspired Computation, 2015, 7, 26.	0.6	49

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109	Simplified brain storm optimization approach to control parameter optimization in F/A-18 automatic carrier landing system. <i>Aerospace Science and Technology</i> , 2015, 42, 187-195.	2.5	71
110	Gaussian pigeon-inspired optimization approach to orbital spacecraft formation reconfiguration. <i>Chinese Journal of Aeronautics</i> , 2015, 28, 200-205.	2.8	51
111	Quantum-Behaved Brain Storm Optimization Approach to Solving Loney's Solenoid Problem. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-7.	1.2	28
112	Elitist Chemical Reaction Optimization for Contour-Based Target Recognition in Aerial Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2845-2859.	2.7	23
113	Orthogonal Multiobjective Chemical Reaction Optimization Approach for the Brushless DC Motor Design. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-7.	1.2	12
114	Symbolic control approach to aircraft taking off in wind shear. <i>Aircraft Engineering and Aerospace Technology</i> , 2015, 87, 45-51.	0.8	5
115	Information granulation-based fuzzy RBFNN for image fusion based on chaotic brain storm optimization. <i>Optik</i> , 2015, 126, 1400-1406.	1.4	6
116	Impact of skill intervention on the evolution of cooperation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 434, 171-180.	1.2	5
117	Visual Attention Model Based on Statistical Properties of Neuron Responses. <i>Scientific Reports</i> , 2015, 5, 8873.	1.6	6
118	Predator-prey biogeography-based optimization for parameters identification of UCAV flight control system. <i>Aircraft Engineering and Aerospace Technology</i> , 2015, 87, 249-259.	0.8	4
119	Biological lateral inhibition and Electimize approach to template matching. <i>Optik</i> , 2015, 126, 769-773.	1.4	8
120	A decoupling receding horizon search approach to agent routing and optical sensor tasking based on brain storm optimization. <i>Optik</i> , 2015, 126, 690-696.	1.4	12
121	Interactive Learning Environment for Bio-Inspired Optimization Algorithms for UAV Path Planning. <i>IEEE Transactions on Education</i> , 2015, 58, 276-281.	2.0	34
122	Chaotic Biogeography-Based Optimization Approach to Receding Horizon Control for Multiple UAVs Formation Flight. <i>IFAC-PapersOnLine</i> , 2015, 48, 35-40.	0.5	5
123	Visual Measurement in Simulation Environment for Vision-Based UAV Autonomous Aerial Refueling. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 2468-2480.	2.4	59
124	Potential field based receding horizon motion planning for centrality-aware multiple UAV cooperative surveillance. <i>Aerospace Science and Technology</i> , 2015, 46, 386-397.	2.5	46
125	Phase transition of vortexlike self-propelled particles induced by a hostile particle. <i>Physical Review E</i> , 2015, 92, 012701.	0.8	3
126	Evolution of cooperation driven by incremental learning. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 14-22.	1.2	7

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127	An improved constrained differential evolution algorithm for unmanned aerial vehicle global route planning. Applied Soft Computing Journal, 2015, 26, 270-284.	4.1	159
128	Unmanned aerial vehicle close formation cooperative control based on predatory escaping pigeon-inspired optimization. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2015, 45, 559-572.	0.3	34
129	Biologically Inspired Model with Feature Selection for Target Recognition Using Biogeography-Based Optimization. Journal of Aerospace Information Systems, 2014, 11, 433-446.	1.0	5
130	Receding horizon control for multiple UAV formation flight based on modified brain storm optimization. Nonlinear Dynamics, 2014, 78, 1973-1988.	2.7	66
131	Pigeon-inspired optimization: a new swarm intelligence optimizer for air robot path planning. International Journal of Intelligent Computing and Cybernetics, 2014, 7, 24-37.	1.6	443
132	Boid-Inspired Harmony Search approach to aircraft parameter estimation. , 2014, , .		0
133	Chaotic artificial bee colony approach to step planning of maintaining balance for quadruped robot. International Journal of Intelligent Computing and Cybernetics, 2014, 7, 175-191.	1.6	4
134	Bloch quantum-behaved Pigeon-inspired optimization for continuous optimization problems. , 2014, , .		11
135	Multiple UAVs mission assignment based on modified Pigeon-inspired optimization algorithm. , 2014, , .		13
136	PID controller design based on Prey-Predator Pigeon-Inspired Optimization algorithm. , 2014, , .		12
137	A guidance law for UAV autonomous aerial refueling based on the iterative computation method. Chinese Journal of Aeronautics, 2014, 27, 875-883.	2.8	13
138	Adaptive dynamic attitude tracking controller design with dual-model structure for unmanned helicopter. , 2014, , .		0
139	Strong adaptive attitude tracking controller design with dual-model structure for unmanned helicopter. , 2014, , .		1
140	Novel biological visual attention mechanism via Gaussian harmony search. Optik, 2014, 125, 2313-2319.	1.4	8
141	Biological image processing via Chaotic Differential Search and lateral inhibition. Optik, 2014, 125, 2070-2075.	1.4	17
142	Biological weight selection of multi-scale retinex via artificial bee colony algorithm. Optik, 2014, 125, 1434-1438.	1.4	10
143	Comments on "Particle swarm optimization with fractional-order velocity". Nonlinear Dynamics, 2014, 77, 427-429.	2.7	7
144	Bio-inspired Computation in Unmanned Aerial Vehicles. , 2014, , .		58

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145	Pose estimation for UAV aerial refueling with serious turbulences based on extended Kalman filter. <i>Optik</i> , 2014, 125, 3102-3106.	1.4	6
146	A hybrid biogeography-based optimization algorithm for job shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2014, 73, 96-114.	3.4	59
147	Chaotic predator-prey biogeography-based optimization approach for UCAV path planning. <i>Aerospace Science and Technology</i> , 2014, 32, 153-161.	2.5	105
148	Biological edge detection for UCAV via improved artificial bee colony and visual attention. <i>Aircraft Engineering and Aerospace Technology</i> , 2014, 86, 138-146.	0.8	13
149	Chaotic biogeography-based optimization approach to target detection in UAV surveillance. <i>Optik</i> , 2014, 125, 7100-7105.	1.4	10
150	Three dimensional trajectory planning of unmanned aerial vehicles based on quantum differential search. , 2014, , .		1
151	Multiple UCAVs mission assignment based on modified Gravitational Search. , 2014, , .		1
152	Improved Biogeography-Based Optimization approach to secondary protein prediction. , 2014, , .		4
153	Target detection approach for UAVs via improved Pigeon-inspired Optimization and Edge Potential Function. <i>Aerospace Science and Technology</i> , 2014, 39, 352-360.	2.5	76
154	Longitudinal and lateral adaptive flight control design for an unmanned helicopter with coaxial rotor and ducted fan. , 2014, , .		2
155	Levenberg-Marquardt based artificial physics method for mobile robot oscillation alleviation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1771-1777.	2.0	11
156	Robustness of cooperation on scale-free networks in the evolutionary prisoner's dilemma game. <i>Europhysics Letters</i> , 2014, 105, 48003.	0.7	15
157	Gaussian Harmony Search Algorithm: A Novel Method for Loney's Solenoid Problem. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 83-87.	1.2	14
158	Biologically adaptive robust mean shift algorithm with Cauchy predator-prey BBO and space variant resolution for unmanned helicopter formation. <i>Science China Information Sciences</i> , 2014, 57, 1-13.	2.7	4
159	A hybrid Particle Chemical Reaction Optimization for biological image matching based on lateral inhibition. <i>Optik</i> , 2014, 125, 5757-5763.	1.4	9
160	Adaptive Backtracking Search Algorithm for Induction Magnetometer Optimization. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-6.	1.2	47
161	Hybrid bio-inspired lateral inhibition and Imperialist Competitive Algorithm for complicated image matching. <i>Optik</i> , 2014, 125, 414-418.	1.4	20
162	Imperialist competitive algorithm optimized artificial neural networks for UCAV global path planning. <i>Neurocomputing</i> , 2014, 125, 166-171.	3.5	78

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163	Chaotic Artificial Bee Colony Optimization Approach to Aircraft Automatic Landing System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 876-881.	0.4	5
164	Swarm intelligence inspired skills and the evolution of cooperation. Scientific Reports, 2014, 4, 5210.	1.6	26
165	Predator-Prey Pigeon-Inspired Optimization for UAV Three-Dimensional Path Planning. Lecture Notes in Computer Science, 2014, , 96-105.	1.0	22
166	UAV Path Planning. , 2014, , 99-142.		8
167	Multiple UAV Formation Control. , 2014, , 143-181.		2
168	Multiple UAV/UGV Heterogeneous Control. , 2014, , 183-214.		1
169	Biological Vision-Based Surveillance and Navigation. , 2014, , 215-246.		1
170	UAV Modeling and Controller Design. , 2014, , 71-97.		0
171	?Hybrid Particle Swarm Optimization and Genetic Algorithm for Multi-UAV Formation Reconfiguration. IEEE Computational Intelligence Magazine, 2013, 8, 16-27.	3.4	197
172	An improved artificial physics approach to multiple UAVs/UGVs heterogeneous coordination. Science China Technological Sciences, 2013, 56, 2473-2479.	2.0	23
173	Trophallaxis network control approach to formation flight of multiple unmanned aerial vehicles. Science China Technological Sciences, 2013, 56, 1066-1074.	2.0	33
174	Pendulum-like oscillation controller for micro aerial vehicle with ducted fan based on LQR and PSO. Science China Technological Sciences, 2013, 56, 423-429.	2.0	25
175	Parameters identification of UCAV flight control system based on predator-prey particle swarm optimization. Science China Information Sciences, 2013, 56, 1-12.	2.7	27
176	Quadrotor Flight Control Parameters Optimization Based on Chaotic Estimation of Distribution Algorithm. Lecture Notes in Computer Science, 2013, , 19-26.	1.0	2
177	Biological eagle-eye - Based visual imaging guidance simulation platform for unmanned flying vehicles. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 36-45.	2.3	23
178	Artificial bee colony optimized controller for unmanned rotorcraft pendulum. Aircraft Engineering and Aerospace Technology, 2013, 85, 104-114.	0.8	24
179	A directional control system for UCAV automatic takeoff roll. Aircraft Engineering and Aerospace Technology, 2013, 85, 48-61.	0.8	10
180	Predator-Prey Brain Storm Optimization for DC Brushless Motor. IEEE Transactions on Magnetics, 2013, 49, 5336-5340.	1.2	127

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181	Optimal Satellite Formation Reconfiguration Based on Closed-Loop Brain Storm Optimization. IEEE Computational Intelligence Magazine, 2013, 8, 39-51.	3.4	99
182	Hybrid C2 features and spectral residual approach to object recognition. Optik, 2013, 124, 3590-3595.	1.4	12
183	Cauchy Biogeography-Based Optimization based on lateral inhibition for image matching. Optik, 2013, 124, 5447-5453.	1.4	32
184	Artificial Bee Colony approach to information granulation-based fuzzy radial basis function neural networks for image fusion. Optik, 2013, 124, 3103-3111.	1.4	33
185	Digital video steganalysis based on motion vector statistical characteristics. Optik, 2013, 124, 1705-1710.	1.4	8
186	Implementation of autonomous visual tracking and landing for a low-cost quadrotor. Optik, 2013, 124, 3296-3300.	1.4	70
187	Multiple UCAVs cooperative air combat simulation platform based on PSO, ACO, and game theory. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 12-19.	2.3	28
188	Chaotic differential evolution approach for 3D trajectory planning of unmanned aerial vehicle. , 2013, , .		12
189	Predator-Prey Biogeography-Based Optimization for Bio-inspired Visual Attention. International Journal of Computational Intelligence Systems, 2013, 6, 1151-1162.	1.6	10
190	Small and Dim Target Detection via Lateral Inhibition Filtering and Artificial Bee Colony Based Selective Visual Attention. PLoS ONE, 2013, 8, e72035.	1.1	31
191	A chaotic quantum-behaved particle swarm optimization based on lateral inhibition for image matching. Optik, 2012, 123, 1955-1960.	1.4	76
192	A restricted-direction target search approach based on coupled routing and optical sensor tasking optimization. Optik, 2012, 123, 2226-2229.	1.4	9
193	A cooperative approach to multiple UAVs searching for moving targets based on a hybrid of virtual force and receding horizon. , 2012, , .		4
194	Hybrid Artificial Bee Colony and Particle Swarm Optimization Approach to Protein Secondary Structure Prediction. , 2012, , .		6
195	Path planning of unmanned aerial vehicle based on improved gravitational search algorithm. Science China Technological Sciences, 2012, 55, 2712-2719.	2.0	99
196	Progress in control approaches for hypersonic vehicle. Science China Technological Sciences, 2012, 55, 2965-2970.	2.0	58
197	Multiple UAVs/UGVs heterogeneous coordinated technique based on Receding Horizon Control (RHC) and velocity vector control. Science China Technological Sciences, 2011, 54, 869-876.	2.0	33
198	Template matching using chaotic imperialist competitive algorithm. Pattern Recognition Letters, 2010, 31, 1868-1875.	2.6	90

#	ARTICLE	IF	CITATIONS
199	Unmanned air/ground vehicles heterogeneous cooperative techniques: Current status and prospects. Science China Technological Sciences, 2010, 53, 1349-1355.	2.0	58
200	New development thoughts on the bio-inspired intelligence based control for unmanned combat aerial vehicle. Science China Technological Sciences, 2010, 53, 2025-2031.	2.0	72
201	Receding horizon control for multi-UAVs close formation control based on differential evolution. Science China Information Sciences, 2010, 53, 223-235.	2.7	63
202	Three-dimension path planning for UCAV using hybrid meta-heuristic ACO-DE algorithm. Simulation Modelling Practice and Theory, 2010, 18, 1104-1115.	2.2	113
203	Artificial bee colony (ABC) optimized edge potential function (EPF) approach to target recognition for low-altitude aircraft. Pattern Recognition Letters, 2010, 31, 1759-1772.	2.6	116
204	Chaotic artificial bee colony approach to Uninhabited Combat Air Vehicle (UCAV) path planning. Aerospace Science and Technology, 2010, 14, 535-541.	2.5	226
205	Design of Multi-Criteria PI Controller Using Particle Swarm Optimization for Multiple UAVs Close Formation. International Journal of Swarm Intelligence Research, 2010, 1, 1-17.	0.5	0
206	Dynamic multi-UAVs formation reconfiguration based on hybrid diversity-PSO and time optimal control. , 2009, , .		5
207	Novel intelligent water drops optimization approach to single UCAV smooth trajectory planning. Aerospace Science and Technology, 2009, 13, 442-449.	2.5	90
208	Design and realization of hybrid ACO-based PID and LuGre friction compensation controller for three degree-of-freedom high precision flight simulator. Simulation Modelling Practice and Theory, 2009, 17, 1160-1169.	2.2	12
209	An Improved Greedy Genetic Algorithm for Solving Travelling Salesman Problem. , 2009, , .		15
210	Adaptive Template Matching Based on Improved Ant Colony Optimization. , 2009, , .		2
211	Air robot path planning based on Intelligent Water Drops optimization. , 2008, , .		31
212	UCAV path planning based on Ant Colony Optimization and satisficing decision algorithm. , 2008, , .		8
213	DEACO: Hybrid Ant Colony Optimization with Differential Evolution. , 2008, , .		14
214	Novel Hybrid Approach for Fault Diagnosis in 3-DOF Flight Simulator Based on BP Neural Network and Ant Colony Algorithm. , 2007, , .		2
215	Hybrid Ant Colony Optimization Using Memetic Algorithm for Traveling Salesman Problem. , 2007, , .		44
216	Experimental study of the adjustable parameters in basic ant colony optimization algorithm. , 2007, , .		15

#	ARTICLE	IF	CITATIONS
217	Progresses and Challenges of Ant Colony Optimization-Based Evolvable Hardware. , 2007, , .		5
218	Design of Multi-Criteria PI Controller Using Particle Swarm Optimization for Multiple UAVs Close Formation. , 0, , 99-113.		0