Xiaoguang Gao

List of Publications by Year
in descending order

47	390	759233	839539
papers	citations	12	18
		h-index	g-index

47	47	47	268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust Motion Control for UAV in Dynamic Uncertain Environments Using Deep Reinforcement Learning. Remote Sensing, 2020, 12, 640.	4.0	54
2	Relevant experience learning: A deep reinforcement learning method for UAV autonomous motion planning in complex unknown environments. Chinese Journal of Aeronautics, 2021, 34, 187-204.	5.3	29
3	A Cooperative Search and Coverage Algorithm with Controllable Revisit and Connectivity Maintenance for Multiple Unmanned Aerial Vehicles. Sensors, 2018, 18, 1472.	3.8	25
4	Environment identification-based memory scheme for estimation of distribution algorithms in dynamic environments. Soft Computing, 2011, 15, 311-326.	3.6	24
5	Learning Bayesian networks using the constrained maximum a posteriori probability method. Pattern Recognition, 2019, 91, 123-134.	8.1	22
6	An Improved Approach towards Multi-Agent Pursuit–Evasion Game Decision-Making Using Deep Reinforcement Learning. Entropy, 2021, 23, 1433.	2.2	19
7	UAV Mobile Ground Target Pursuit Algorithm. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 68, 359-371.	3.4	18
8	Global Analysis of Microbiota Signatures in Four Major Types of Gastrointestinal Cancer. Frontiers in Oncology, 2021, 11, 685641.	2.8	17
9	The Intratumor Microbiota Signatures Associate With Subtype, Tumor Stage, and Survival Status of Esophageal Carcinoma. Frontiers in Oncology, 2021, 11, 754788.	2.8	15
10	Multi-UAVs Communication-Aware Cooperative Target Tracking. Applied Sciences (Switzerland), 2018, 8, 870.	2.5	14
11	Learning Bayesian networks based on order graph with ancestral constraints. Knowledge-Based Systems, 2021, 211, 106515.	7.1	14
12	A Two-Layer Task Assignment Algorithm for UAV Swarm Based on Feature Weight Clustering. International Journal of Aerospace Engineering, 2019, 2019, 1-12.	0.9	13
13	Learning the structure of Bayesian networks with ancestral and/or heuristic partition. Information Sciences, 2022, 584, 719-751.	6.9	12
14	ME–MADDPG: An efficient learning–based motion planning method for multiple agents in complex environments. International Journal of Intelligent Systems, 2022, 37, 2393-2427.	5.7	12
15	Bidirectional heuristic search to find the optimal Bayesian network structure. Neurocomputing, 2021, 426, 35-46.	5.9	11
16	Multi-mission Path Re-planning for Multiple Unmanned Aerial Vehicles Based on Unexpected Events. , 2009, , .		9
17	Mobility Control of Unmanned Aerial Vehicle as Communication Relay to Optimize Ground-to-Air Uplinks. Sensors, 2020, 20, 2332.	3.8	8
18	A hybrid feature selection algorithm and its application in bioinformatics. PeerJ Computer Science, 2022, 8, e933.	4.5	8

#	Article	IF	Citations
19	Path planning for reconnaissance UAV based on Particle Swarm Optimization. , 2010, , .		7
20	Co-Optimization of Communication and Sensing for Multiple Unmanned Aerial Vehicles in Cooperative Target Tracking. Applied Sciences (Switzerland), 2018, 8, 899.	2.5	6
21	Gut Microbiome Signature Are Correlated With Bone Mineral Density Alterations in the Chinese Elders. Frontiers in Cellular and Infection Microbiology, 2022, 12, 827575.	3.9	6
22	Ship Recognition Based on Improved Forwards-Backwards Algorithm. , 2009, , .		4
23	An Efficient Sampling-Based Algorithms Using Active Learning and Manifold Learning for Multiple Unmanned Aerial Vehicle Task Allocation under Uncertainty. Sensors, 2018, 18, 2645.	3.8	4
24	Determining the direction of the local search in topological ordering space for Bayesian network structure learning. Knowledge-Based Systems, 2021, 234, 107566.	7.1	4
25	Multiple UAVs Cooperative Path Planning Based on Dynamic Bayesian Network. , 2008, , .		3
26	Genetic algorithm with adaptive immigrants for dynamic flight path planning. , 2010, , .		3
27	DBN structure learning based on MI-BPSO algorithm. , 2014, , .		3
28	A Novel BN Learning Algorithm Based on Block Learning Strategy. Sensors, 2020, 20, 6357.	3.8	3
29	A Novel Restricted Boltzmann Machine Training Algorithm With Dynamic Tempering Chains. IEEE Access, 2021, 9, 21939-21950.	4.2	3
30	Learning Bayesian networks using A* search with ancestral constraints. Neurocomputing, 2021, 451, 107-124.	5.9	3
31	The Dynamic Extensions of Fuzzy Grey Cognitive Maps. IEEE Access, 2021, 9, 98665-98678.	4.2	3
32	An Improved Method towards Multi-UAV Autonomous Navigation Using Deep Reinforcement Learning. , 2022, , .		3
33	Improved Local Search with Momentum for Bayesian Networks Structure Learning. Entropy, 2021, 23, 750.	2.2	2
34	Forwards-Backwards Information Repairing Algorithm and Appliance on Discrete Dynamic Bayesian Networks. , 2009, , .		1
35	A Hybrid Multi-objective Optimal Approach to Multiple UCAVs Coordinated Planning. , 2009, , .		1
36	Role analysis: The use case analysis extension for in-depth investigation of actor properties. , 2010, , .		1

#	Article	IF	Citations
37	A Cloud Cooperative Attack System for networking anti-stealth combat. , 2013, , .		1
38	Intermediate carriers for UAV swarms: Problem of fleet composition. Journal of Systems Engineering and Electronics, 2013, 24, 101-107.	2.2	1
39	Construction of information fusion system based on cloud computing. , 2015, , .		1
40	Decentralized coalition formation of multiple UAVs in an uncertain region. , 2016, , .		1
41	A RDA-Based Deep Reinforcement Learning Approach for Autonomous Motion Planning of UAV in Dynamic Unknown Environments. Journal of Physics: Conference Series, 2020, 1487, 012006.	0.4	1
42	Learning Bayesian network parameters with soft-hard constraints. Neural Computing and Applications, 2022, 34, 18195-18209.	5.6	1
43	Bayesian Optimization Algorithm for Learning Structure of Dynamic Bayesian Networks from Incomplete Data. , 2008, , .		0
44	A GA-Based Approach for Parameter Learning of Discrete Dynamic Bayesian Networks. , 2010, , .		0
45	Ground thread identification of the reconnaissance and strike integrated UAV based on improved Direct Inference algorithm. , 2010, , .		0
46	Wide area search munition delivered by the intermediate carriers. , 2010, , .		0
47	Generative and discriminative infinite restricted Boltzmann machine training. International Journal of Intelligent Systems, 0, , .	5.7	0