

# Xiaoguang Gao

## List of Publications by Year in descending order

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47  
papers

390  
citations

759233

12  
h-index

839539

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g-index

47  
all docs

47  
docs citations

47  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning the structure of Bayesian networks with ancestral and/or heuristic partition. Information Sciences, 2022, 584, 719-751.	6.9	12
2	A hybrid feature selection algorithm and its application in bioinformatics. PeerJ Computer Science, 2022, 8, e933.	4.5	8
3	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
4	MEaMADDPG: An efficient learningâ€­based motion planning method for multiple agents in complex environments. International Journal of Intelligent Systems, 2022, 37, 2393-2427.	5.7	12
5	An Improved Method towards Multi-UAV Autonomous Navigation Using Deep Reinforcement Learning. , 2022, , .		3
6	Learning Bayesian network parameters with soft-hard constraints. Neural Computing and Applications, 2022, 34, 18195-18209.	5.6	1
7	A Novel Restricted Boltzmann Machine Training Algorithm With Dynamic Tempering Chains. IEEE Access, 2021, 9, 21939-21950.	4.2	3
8	Learning Bayesian networks based on order graph with ancestral constraints. Knowledge-Based Systems, 2021, 211, 106515.	7.1	14
9	Bidirectional heuristic search to find the optimal Bayesian network structure. Neurocomputing, 2021, 426, 35-46.	5.9	11
10	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
11	Improved Local Search with Momentum for Bayesian Networks Structure Learning. Entropy, 2021, 23, 750.	2.2	2
12	Global Analysis of Microbiota Signatures in Four Major Types of Gastrointestinal Cancer. Frontiers in Oncology, 2021, 11, 685641.	2.8	17
13	Learning Bayesian networks using A* search with ancestral constraints. Neurocomputing, 2021, 451, 107-124.	5.9	3
14	The Dynamic Extensions of Fuzzy Grey Cognitive Maps. IEEE Access, 2021, 9, 98665-98678.	4.2	3
15	The Intratumor Microbiota Signatures Associate With Subtype, Tumor Stage, and Survival Status of Esophageal Carcinoma. Frontiers in Oncology, 2021, 11, 754788.	2.8	15
16	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
17	An Improved Approach towards Multi-Agent Pursuitâ€­Evasion Game Decision-Making Using Deep Reinforcement Learning. Entropy, 2021, 23, 1433.	2.2	19
18	A Novel BN Learning Algorithm Based on Block Learning Strategy. Sensors, 2020, 20, 6357.	3.8	3

#	ARTICLE	IF	CITATIONS
19	A RDA-Based Deep Reinforcement Learning Approach for Autonomous Motion Planning of UAV in Dynamic Unknown Environments. <i>Journal of Physics: Conference Series</i> , 2020, 1487, 012006.	0.4	1
20	Robust Motion Control for UAV in Dynamic Uncertain Environments Using Deep Reinforcement Learning. <i>Remote Sensing</i> , 2020, 12, 640.	4.0	54
21	Mobility Control of Unmanned Aerial Vehicle as Communication Relay to Optimize Ground-to-Air Uplinks. <i>Sensors</i> , 2020, 20, 2332.	3.8	8
22	Learning Bayesian networks using the constrained maximum a posteriori probability method. <i>Pattern Recognition</i> , 2019, 91, 123-134.	8.1	22
23	A Two-Layer Task Assignment Algorithm for UAV Swarm Based on Feature Weight Clustering. <i>International Journal of Aerospace Engineering</i> , 2019, 2019, 1-12.	0.9	13
24	Co-Optimization of Communication and Sensing for Multiple Unmanned Aerial Vehicles in Cooperative Target Tracking. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 899.	2.5	6
25	Multi-UAVs Communication-Aware Cooperative Target Tracking. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 870.	2.5	14
26	A Cooperative Search and Coverage Algorithm with Controllable Revisit and Connectivity Maintenance for Multiple Unmanned Aerial Vehicles. <i>Sensors</i> , 2018, 18, 1472.	3.8	25
27	An Efficient Sampling-Based Algorithms Using Active Learning and Manifold Learning for Multiple Unmanned Aerial Vehicle Task Allocation under Uncertainty. <i>Sensors</i> , 2018, 18, 2645.	3.8	4
28	Decentralized coalition formation of multiple UAVs in an uncertain region. , 2016, , .		1
29	Construction of information fusion system based on cloud computing. , 2015, , .		1
30	DBN structure learning based on MI-BPSO algorithm. , 2014, , .		3
31	A Cloud Cooperative Attack System for networking anti-stealth combat. , 2013, , .		1
32	Intermediate carriers for UAV swarms: Problem of fleet composition. <i>Journal of Systems Engineering and Electronics</i> , 2013, 24, 101-107.	2.2	1
33	UAV Mobile Ground Target Pursuit Algorithm. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2012, 68, 359-371.	3.4	18
34	Environment identification-based memory scheme for estimation of distribution algorithms in dynamic environments. <i>Soft Computing</i> , 2011, 15, 311-326.	3.6	24
35	A GA-Based Approach for Parameter Learning of Discrete Dynamic Bayesian Networks. , 2010, , .		0
36	Ground thread identification of the reconnaissance and strike integrated UAV based on improved Direct Inference algorithm. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	Wide area search munition delivered by the intermediate carriers. , 2010, , .		0
38	Role analysis: The use case analysis extension for in-depth investigation of actor properties. , 2010, , .		1
39	Genetic algorithm with adaptive immigrants for dynamic flight path planning. , 2010, , .		3
40	Path planning for reconnaissance UAV based on Particle Swarm Optimization. , 2010, , .		7
41	Ship Recognition Based on Improved Forwards-Backwards Algorithm. , 2009, , .		4
42	Multi-mission Path Re-planning for Multiple Unmanned Aerial Vehicles Based on Unexpected Events. , 2009, , .		9
43	Forwards-Backwards Information Repairing Algorithm and Appliance on Discrete Dynamic Bayesian Networks. , 2009, , .		1
44	A Hybrid Multi-objective Optimal Approach to Multiple UCAVs Coordinated Planning. , 2009, , .		1
45	Multiple UAVs Cooperative Path Planning Based on Dynamic Bayesian Network. , 2008, , .		3
46	Bayesian Optimization Algorithm for Learning Structure of Dynamic Bayesian Networks from Incomplete Data. , 2008, , .		0
47	Generative and discriminative infinite restricted Boltzmann machine training. International Journal of Intelligent Systems, 0, , .	5.7	0