

Hamidreza Modares

List of Publications by Year in descending order

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361413

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docs citations

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times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal and Autonomous Control Using Reinforcement Learning: A Survey. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2042-2062.	11.3	512
2	Reinforcement learning for optimal tracking control of linear discrete-time systems with unknown dynamics. Automatica, 2014, 50, 1167-1175.	5.0	395
3	$\int_{-\infty}^{\infty} \delta(t) dt = 1$ <tex-math></tex-math></inline-formula> Tracking Control of Completely Unknown Continuous-Time Systems via Off-Policy Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2550-2562.	11.3	384
4	Adaptive Optimal Control of Unknown Constrained-Input Systems Using Policy Iteration and Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1513-1525.	11.3	361
5	Resilient adaptive and $\int_{-\infty}^{\infty} \delta(t) dt = 1$ controls of multi-agent systems under sensor and actuator faults. Automatica, 2019, 102, 19-26.	5.0	131
6	Optimal model-free output synchronization of heterogeneous systems using off-policy reinforcement learning. Automatica, 2016, 71, 334-341.	5.0	130
7	Optimal Output-Feedback Control of Unknown Continuous-Time Linear Systems Using Off-policy Reinforcement Learning. IEEE Transactions on Cybernetics, 2016, 46, 2401-2410.	9.5	105
8	Resilient Cooperative Control of DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 1083-1085.	9.0	95
9	Online solution of nonquadratic two-player zero-sum games arising in the control of constrained input systems. International Journal of Adaptive Control and Signal Processing, 2014, 28, 232-254.	4.1	94
10	Robust Actor-Critic Learning for Continuous-Time Nonlinear Systems With Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2022, 30, 2101-2112.	9.8	83
11	Resilient and Robust Synchronization of Multiagent Systems Under Attacks on Sensors and Actuators. IEEE Transactions on Cybernetics, 2020, 50, 1240-1250.	9.5	78
12	Distributed $\int_{-\infty}^{\infty} \delta(t) dt = 1$ gain output-feedback control of homogeneous and heterogeneous systems. Automatica, 2016, 71, 361-368.	5.0	68
13	Safe reinforcement learning for dynamical games. International Journal of Robust and Nonlinear Control, 2020, 30, 3706-3726.	3.7	64
14	Hamiltonian-Driven Hybrid Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6423-6434.	9.3	60
15	Safe Intermittent Reinforcement Learning With Static and Dynamic Event Generators. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5441-5455.	11.3	56
16	Attack Analysis and Resilient Control Design for Discrete-Time Distributed Multi-Agent Systems. IEEE Robotics and Automation Letters, 2020, 5, 369-376.	5.1	53
17	A policy iteration approach to online optimal control of continuous-time constrained-input systems. ISA Transactions, 2013, 52, 611-621.	5.7	52
18	Resilient synchronization of distributed multi-agent systems under attacks. Automatica, 2020, 115, 108869.	5.0	36

#	ARTICLE	IF	CITATIONS
19	Dynamic intermittent Q -learning-based model-free suboptimal co-design of stabilization. International Journal of Robust and Nonlinear Control, 2019, 29, 2673-2694.	3.7	34
20	Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure. , 2019, , .		28
21	Consensus of Homogeneous Vehicular Platooning Systems With Packet Dropout and Communication Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3680-3691.	9.3	22
22	Event-Driven Off-Policy Reinforcement Learning for Control of Interconnected Systems. IEEE Transactions on Cybernetics, 2022, 52, 1936-1946.	9.5	21
23	Online concurrent reinforcement learning algorithm to solve two-player zero-sum games for partially unknown nonlinear continuous-time systems. International Journal of Adaptive Control and Signal Processing, 2015, 29, 473-493.	4.1	20
24	Employing Adaptive Particle Swarm Optimization Algorithm for Parameter Estimation of an Exciter Machine. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	16
25	Hamiltonian-driven adaptive dynamic programming for mixed H_2/H_∞ performance using sum of squares. International Journal of Robust and Nonlinear Control, 2021, 31, 1941-1963.	3.7	15
26	Resilient adaptive optimal control of distributed multi-agent systems using reinforcement learning. IET Control Theory and Applications, 2018, 12, 2165-2174.	2.1	14
27	Observer-based adaptive optimal output containment control problem of linear heterogeneous Multiagent systems with relative output measurements. International Journal of Adaptive Control and Signal Processing, 2019, 33, 262-284.	4.1	14
28	Data-Driven Integral Reinforcement Learning for Continuous-Time Non-Zero-Sum Games. IEEE Access, 2019, 7, 82901-82912.	4.2	12
29	Data-Driven Dynamic Multiobjective Optimal Control: An Aspiration-Satisfying Reinforcement Learning Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6183-6193.	11.3	8
30	Finite-time adaptive output synchronization of uncertain nonlinear heterogeneous multi-agent systems. International Journal of Robust and Nonlinear Control, 2021, 31, 9416-9435.	3.7	7
31	Conflict-Aware Safe Reinforcement Learning: A Meta-Cognitive Learning Framework. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 466-481.	13.1	7
32	Distributed Consensus Control of Vehicular Platooning Under Delay, Packet Dropout and Noise: Relative State and Relative Input-Output Control Strategies. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20123-20133.	8.0	7
33	A general insight into the effect of neuron structure on classification. Knowledge and Information Systems, 2012, 30, 135-154.	3.2	5
34	Safe Intermittent Reinforcement Learning for Nonlinear Systems. , 2019, , .		5
35	Event-triggered control of input-affine nonlinear interconnected systems using multiplayer game. International Journal of Robust and Nonlinear Control, 2021, 31, 950-970.	3.7	5
36	Robust Inverse Optimal Cooperative Control for Uncertain Linear Multiagent Systems. IEEE Systems Journal, 2022, 16, 2355-2366.	4.6	4

#	ARTICLE	IF	CITATIONS
37	Fully Heterogeneous Containment Control of a Network of Leader-Follower Systems. IEEE Transactions on Automatic Control, 2022, 67, 6187-6194.	5.7	4
38	Finite-Time Distributed Identification for Nonlinear Interconnected Systems. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1188-1199.	13.1	4
39	Analysis and Detection of Cyber-physical Attacks in Distributed Sensor Networks. , 2018, , .		3
40	Attack Analysis for Discrete-time Distributed Multi-Agent Systems. , 2019, , .		2
41	Assured learning-enabled autonomy: A metacognitive reinforcement learning framework. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2348-2371.	4.1	2
42	Disturbance rejection of multi-agent systems: A reinforcement learning differential game approach. , 2015, , .		1
43	Dynamic Intermittent Q-Learning for Systems with Reduced Bandwidth. , 2018, , .		1
44	Heterogeneous Formation Control of Multiple Rotorcrafts with Unknown Dynamics using Reinforcement Learning*. , 2019, , .		1
45	Data-driven dynamic multi-objective optimal control: A Hamiltonian-inequality driven satisficing reinforcement learning approach. IFAC-PapersOnLine, 2020, 53, 8070-8075.	0.9	0
46	Finite-time disturbance rejection for nonlinear systems using an adaptive disturbance observer based on experience replay. International Journal of Adaptive Control and Signal Processing, 0, , .	4.1	0