

A Deep Actor-Critic Reinforcement Learning Framework

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Deep Reinforcement Learning for Dynamic Multichannel Access in Multi-Cognitive Radio Networks. Journal of Physics: Conference Series, 2020, 1550, 032135. | 0.4 | 4 |
| 2 | Multi-Agent Deep Stochastic Policy Gradient for Event Based Dynamic Spectrum Access. , 2020, , . | | 9 |
| 3 | Deep Reinforcement Learning for Dynamic Spectrum Sensing and Aggregation in Multi-Channel Wireless Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 464-475. | 7.9 | 51 |
| 4 | Hybrid NOMA/OMA-Based Dynamic Power Allocation Scheme Using Deep Reinforcement Learning in 5G Networks. Applied Sciences (Switzerland), 2020, 10, 4236. | 2.5 | 17 |
| 5 | Massive connectivity with machine learning for the Internet of Things. Computer Networks, 2021, 184, 107646. | 5.1 | 5 |
| 6 | Joint Traffic Control and Multi-Channel Reassignment for Core Backbone Network in SDN-IoT: A Multi-Agent Deep Reinforcement Learning Approach. IEEE Transactions on Network Science and Engineering, 2021, 8, 231-245. | 6.4 | 24 |
| 7 | A Context-Aware Radio Resource Management in Heterogeneous Virtual RANs. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 321-334. | 7.9 | 2 |
| 8 | Deep Dyna-Reinforcement Learning Based on Random Access Control in LEO Satellite IoT Networks. IEEE Internet of Things Journal, 2022, 9, 14818-14828. | 8.7 | 11 |
| 9 | Multi-Channel Opportunistic Access for Heterogeneous Networks Based on Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2022, 21, 794-807. | 9.2 | 9 |
| 10 | An RL Approach to Radio Resource Management in Heterogeneous Virtual RANs. , 2021, , . | | 3 |
| 11 | Joint Network Control and Resource Allocation for Space-Terrestrial Integrated Network Through Hierarchical Deep Actor-Critic Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 4943-4954. | 6.3 | 22 |
| 13 | Dynamic Multichannel Access via Multi-agent Reinforcement Learning: Throughput and Fairness Guarantees. , 2021, , . | | 2 |
| 14 | Deep Reinforcement Learning for QoS provisioning at the MAC layer: A Survey. Engineering Applications of Artificial Intelligence, 2021, 102, 104234. | 8.1 | 14 |
| 15 | Deep Reinforcement Learning-Based Dynamic MultiChannel Access for Heterogeneous Wireless Networks with DenseNet. , 2021, , . | | 1 |
| 16 | Better Late Than Never: GAN-Enhanced Dynamic Anti-Jamming Spectrum Access With Incomplete Sensing Information. IEEE Wireless Communications Letters, 2021, 10, 1800-1804. | 5.0 | 4 |
| 17 | DQN Algorithm Based on Target Value Network Parameter Dynamic Update. , 2021, , . | | 0 |
| 18 | Dynamic Multichannel Sensing in Cognitive Radio: Hierarchical Reinforcement Learning. IEEE Access, 2021, 9, 25473-25481. | 4.2 | 11 |
| 19 | Energy-aware Multiple Access Using Deep Reinforcement Learning. , 2021, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 20 | Sensing-Transmission Tradeoff for Multimedia Transmission in Cognitive Radio Networks. , 2020, , . | | 4 |
| 21 | Applications of Multi-Agent Deep Reinforcement Learning: Models and Algorithms. Applied Sciences (Switzerland), 2021, 11, 10870. | 2.5 | 6 |
| 22 | Multi-Objective Optimization of Energy Saving and Throughput in Heterogeneous Networks Using Deep Reinforcement Learning. Sensors, 2021, 21, 7925. | 3.8 | 12 |
| 23 | Resilient Dynamic Channel Access via Robust Deep Reinforcement Learning. IEEE Access, 2021, 9, 163188-163203. | 4.2 | 4 |
| 24 | Dynamic Multichannel Access via Multi-Agent Reinforcement Learning: Throughput and Fairness Guarantees. IEEE Transactions on Wireless Communications, 2022, 21, 3994-4008. | 9.2 | 4 |
| 25 | Primary-User-Friendly Dynamic Spectrum Anti-Jamming Access: A GAN-Enhanced Deep Reinforcement Learning Approach. IEEE Wireless Communications Letters, 2022, 11, 258-262. | 5.0 | 8 |
| 26 | Coexistence of Shared-Spectrum Radio Systems through Medium Access Pattern Learning using Artificial Neural Networks. , 2020, , . | | 3 |
| 27 | Learning-Aided Dynamic Access Control in MEC-Enabled Green IoT Networks: A Convolutional Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 2098-2109. | 6.3 | 10 |
| 28 | Dynamic Spectrum Aggregation and Access Scheme Based on Multi-Agent Actor-Critic Reinforcement Learning. , 2021, , . | | 4 |
| 29 | Intelligent Ultrareliable and Low-Latency Communications: Flexibility and Adaptation. IEEE Internet of Things Journal, 2022, 9, 16140-16153. | 8.7 | 2 |
| 30 | The Frontiers of Deep Reinforcement Learning for Resource Management in Future Wireless HetNets: Techniques, Challenges, and Research Directions. IEEE Open Journal of the Communications Society, 2022, 3, 322-365. | 6.9 | 19 |
| 31 | Visual servoing with deep reinforcement learning for rotor unmanned helicopter. International Journal of Advanced Robotic Systems, 2022, 19, 172988062210848. | 2.1 | 2 |
| 32 | Double Deep Recurrent Reinforcement Learning for Centralized Dynamic Multichannel Access. Wireless Communications and Mobile Computing, 2021, 2021, 1-10. | 1.2 | 3 |
| 33 | Dynamic Channel Access via Meta-Reinforcement Learning. , 2021, , . | | 1 |
| 34 | Power Control Based on DRL Algorithm for D2D-Enabled Networks. , 2021, , . | | 0 |
| 35 | Cooperative Multi-Agent Reinforcement-Learning-Based Distributed Dynamic Spectrum Access in Cognitive Radio Networks. IEEE Internet of Things Journal, 2022, 9, 19477-19488. | 8.7 | 26 |
| 36 | A tutorial on AI-powered 3D deployment of drone base stations: State of the art, applications and challenges. Vehicular Communications, 2022, 36, 100474. | 4.0 | 13 |
| 37 | Dynamic spectrum access and sharing through actor-critic deep reinforcement learning. Eurasip Journal on Wireless Communications and Networking, 2022, 2022, . | 2.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 38 | An efficient Actor Critic DRL Framework for Resource Allocation in Multi-cell Downlink NOMA. , 2022, , . | | 2 |
| 39 | Simultaneous Sensing and Channel Access based on Partial Observations via Deep Reinforcement Learning. , 2022, , . | | 0 |
| 40 | Actor-Critic Scheduling for Path-Aware Air-to-Ground Multipath Multimedia Delivery. , 2022, , . | | 3 |
| 41 | Routing and Resource Allocation for IAB Multi-Hop Network in 5G Advanced. IEEE Transactions on Communications, 2022, 70, 6704-6717. | 7.8 | 5 |
| 42 | Decentralized Joint Pilot and Data Power Control Based on Deep Reinforcement Learning for the Uplink of Cell-Free Systems. IEEE Transactions on Vehicular Technology, 2023, 72, 957-972. | 6.3 | 2 |
| 43 | A Usage Aware Dynamic Spectrum Access Scheme for Interweave Cognitive Radio Network by Exploiting Deep Reinforcement Learning. Sensors, 2022, 22, 6949. | 3.8 | 1 |
| 44 | A Dueling Deep Recurrent Q -Network Framework for Dynamic Multichannel Access in Heterogeneous Wireless Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-14. | 1.2 | 1 |
| 45 | CAPL: Criticality-Aware Adaptive Path Learning for Industrial Wireless Sensor-Actuator Networks. IEEE Transactions on Industrial Informatics, 2023, 19, 9123-9133. | 11.3 | 1 |
| 46 | Model-Based Reinforcement Learning for Wireless Channel Access. , 2022, , . | | 0 |
| 47 | Deep Reinforcement Learning for Energy Efficient Routing and Throughput Maximization in Various Networks. , 2022, , . | | 7 |
| 48 | Priority-aware intelligent device access management for carbon footprint monitoring in sustainable cities and society. IET Communications, 2023, 17, 409-417. | 2.2 | 2 |
| 49 | Deep Reinforcement Learning for Simultaneous Sensing and Channel Access in Cognitive Networks. IEEE Transactions on Wireless Communications, 2023, 22, 4930-4946. | 9.2 | 3 |
| 50 | Federated Multi-Agent Deep Reinforcement Learning (Fed-MADRL) for Dynamic Spectrum Access. IEEE Transactions on Wireless Communications, 2023, 22, 5337-5348. | 9.2 | 2 |
| 51 | Dynamic Spectrum Access in Non-stationary Environments: A DRL-LSTM Integrated Approach. , 2023, , . | | 0 |
| 52 | Learning-Based Traffic Scheduling in Non-Stationary Multipath 5G Non-Terrestrial Networks. Remote Sensing, 2023, 15, 1842. | 4.0 | 1 |
| 53 | A tutorial on reinforcement learning in selected aspects of communications and networking. Computer Communications, 2023, 208, 89-110. | 5.1 | 0 |
| 54 | Deep Reinforcement Learning-Based Scheduling for NR-U/WiGig Coexistence in Unlicensed mmWave Bands. IEEE Transactions on Wireless Communications, 2024, 23, 58-73. | 9.2 | 0 |
| 55 | Dynamic Spectrum Sharing Based on Federated Learning and Multi-Agent Actor-Critic Reinforcement Learning. , 2023, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 56 | A Cognitive Multi-Carrier Radar for Communication Interference Avoidance Via Deep Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2023, , 1-1. | 7.9 | 0 |
| 57 | Toward a Fully-Observable Markov Decision Process With Generative Models for Integrated 6G-Non-Terrestrial Networks. IEEE Open Journal of the Communications Society, 2023, 4, 1913-1930. | 6.9 | 0 |
| 58 | Traffic Priority-Aware Multi-User Distributed Dynamic Spectrum Access: A Multi-Agent Deep RL Approach. IEEE Transactions on Cognitive Communications and Networking, 2023, , 1-1. | 7.9 | 0 |
| 59 | A Joint Scheme on Spectrum Sensing and Access with Partial Observation: A Multi-Agent Deep Reinforcement Learning Approach. , 2023, , . | | 0 |
| 60 | Auto scheduling through distributed reinforcement learning in SDN based IoT environment. Eurasip Journal on Wireless Communications and Networking, 2023, 2023, . | 2.4 | 0 |
| 61 | Channel Allocation to GAA Users Using Double Deep Recurrent Q-Learning Based on Double Auction Method. IEEE Access, 2023, , 1-1. | 4.2 | 0 |
| 62 | Multi-view reinforcement learning for sequential decision-making with insufficient state information. International Journal of Machine Learning and Cybernetics, 2024, 15, 1533-1552. | 3.6 | 0 |
| 63 | RevAP: A bankruptcy-based algorithm to solve the multi-agent credit assignment problem in task start threshold-based multi-agent systems. Robotics and Autonomous Systems, 2024, 174, 104631. | 5.1 | 0 |