

Derong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

531
papers

20,749
citations

6254

80
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12946

131
g-index

575
all docs

575
docs citations

575
times ranked

6433
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A Novel Value Iteration Scheme With Adjustable Convergence Rate. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7430-7442. | 11.3 | 15 |
| 2 | An Efficient Impulsive Adaptive Dynamic Programming Algorithm for Stochastic Systems. IEEE Transactions on Cybernetics, 2023, 53, 5545-5559. | 9.5 | 6 |
| 3 | Adaptive Dynamic Programming-Based Cooperative Motion/Force Control for Modular Reconfigurable Manipulators: A Joint Task Assignment Approach. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10944-10954. | 11.3 | 19 |
| 4 | Adaptive Dynamic Programming-Based Event-Triggered Robust Control for Multiplayer Nonzero-Sum Games With Unknown Dynamics. IEEE Transactions on Cybernetics, 2023, 53, 5151-5164. | 9.5 | 15 |
| 5 | Deep Learning-Based Trajectory Planning and Control for Autonomous Ground Vehicle Parking Maneuver. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1633-1647. | 5.2 | 29 |
| 6 | Model-Free Adaptive Optimal Control for Unknown Nonlinear Multiplayer Nonzero-Sum Game. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 879-892. | 11.3 | 43 |
| 7 | Leader-Following Mean-Square Consensus of Stochastic Multiagent Systems With ROUs and RONs via Distributed Event-Triggered Impulsive Control. IEEE Transactions on Cybernetics, 2022, 52, 1836-1849. | 9.5 | 21 |
| 8 | Constrained Event-Triggered H^∞ Control Based on Adaptive Dynamic Programming With Concurrent Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 357-369. | 9.3 | 51 |
| 9 | Event-Triggered ADP for Tracking Control of Partially Unknown Constrained Uncertain Systems. IEEE Transactions on Cybernetics, 2022, 52, 9001-9012. | 9.5 | 55 |
| 10 | Offline and Online Adaptive Critic Control Designs With Stability Guarantee Through Value Iteration. IEEE Transactions on Cybernetics, 2022, 52, 13262-13274. | 9.5 | 26 |
| 11 | Event-Triggered Control of Discrete-Time Zero-Sum Games via Deterministic Policy Gradient Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4823-4835. | 9.3 | 42 |
| 12 | Policy Gradient Adaptive Critic Designs for Model-Free Optimal Tracking Control With Experience Replay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3692-3703. | 9.3 | 28 |
| 13 | A New Approach to Finite-Horizon Optimal Control for Discrete-Time Affine Nonlinear Systems via a Pseudolinear Method. IEEE Transactions on Automatic Control, 2022, 67, 2610-2617. | 5.7 | 21 |
| 14 | Event-triggered optimal tracking control of multiplayer unknown nonlinear systems via adaptive critic designs. International Journal of Robust and Nonlinear Control, 2022, 32, 29-51. | 3.7 | 9 |
| 15 | Adaptive critic designs for decentralised robust control of nonlinear interconnected systems via event-triggering mechanism. International Journal of Systems Science, 2022, 53, 1031-1047. | 5.5 | 1 |
| 16 | DMPP: Differentiable multi-pruner and predictor for neural network pruning. Neural Networks, 2022, 147, 103-112. | 5.9 | 8 |
| 17 | Memristive LIF Spiking Neuron Model and Its Application in Morse Code. Frontiers in Neuroscience, 2022, 16, 853010. | 2.8 | 6 |
| 18 | Event-triggered integral reinforcement learning for nonzero-sum games with asymmetric input saturation. Neural Networks, 2022, 152, 212-223. | 5.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Discounted Iterative Adaptive Critic Designs With Novel Stability Analysis for Tracking Control. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1262-1272. | 13.1 | 72 |
| 20 | Event-Triggered Adaptive Dynamic Programming for Unmatched Uncertain Nonlinear Continuous-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2939-2951. | 11.3 | 52 |
| 21 | Policy Iteration Q -Learning for Data-Based Two-Player Zero-Sum Game of Linear Discrete-Time Systems. IEEE Transactions on Cybernetics, 2021, 51, 3630-3640. | 9.5 | 62 |
| 22 | Sliding-Mode Surface-Based Approximate Optimal Control for Uncertain Nonlinear Systems With Asymptotically Stable Critic Structure. IEEE Transactions on Cybernetics, 2021, 51, 2858-2869. | 9.5 | 48 |
| 23 | Learning Control for Air Conditioning Systems via Human Expressions. IEEE Transactions on Industrial Electronics, 2021, 68, 7662-7671. | 7.9 | 25 |
| 24 | Periodic Event-Triggered Suboptimal Control With Sampling Period and Performance Analysis. IEEE Transactions on Cybernetics, 2021, 51, 1253-1261. | 9.5 | 29 |
| 25 | Generalized value iteration for discounted optimal control with stability analysis. Systems and Control Letters, 2021, 147, 104847. | 2.3 | 35 |
| 26 | Particle swarm optimized neural networks based local tracking control scheme of unknown nonlinear interconnected systems. Neural Networks, 2021, 134, 54-63. | 5.9 | 27 |
| 27 | Event-triggered adaptive dynamic programming for multi-player zero-sum games with unknown dynamics. Soft Computing, 2021, 25, 2237-2251. | 3.6 | 9 |
| 28 | Adaptive Dynamic Programming for Control: A Survey and Recent Advances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 142-160. | 9.3 | 280 |
| 29 | Decentralized Tracking Control for Modular Reconfigurable Robots Using Data-Based Concurrent Learning. , 2021, , . | | 0 |
| 30 | Observer-based Event-triggered Robust Control for Input Constrained Uncertain Nonlinear Systems. , 2021, , . | | 2 |
| 31 | Event-triggered decentralized optimal fault tolerant control for mismatched interconnected nonlinear systems through adaptive dynamic programming. Optimal Control Applications and Methods, 2021, 42, 1365-1384. | 2.1 | 13 |
| 32 | Adaptive dynamic programming-based event-triggered optimal tracking control. International Journal of Robust and Nonlinear Control, 2021, 31, 7480-7497. | 3.7 | 16 |
| 33 | Observer-based event-triggered control for zero-sum games of input constrained multi-player nonlinear systems. Neural Networks, 2021, 144, 101-112. | 5.9 | 18 |
| 34 | Neural-network-based discounted optimal control via an integrated value iteration with accuracy guarantee. Neural Networks, 2021, 144, 176-186. | 5.9 | 16 |
| 35 | Generalized Policy Iteration-based Reinforcement Learning Algorithm for Optimal Control of Unknown Discrete-time Systems. , 2021, , . | | 0 |
| 36 | Event-Triggered Control of Multi-Player Zero-Sum Games via Adaptive Dynamic Programming. , 2021, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Observer-Based Event-Triggered Tracking Control of Multi-Player Nonlinear Systems via Adaptive Dynamic Programming. , 2021, , . | | 0 |
| 38 | Event-Triggered Robust Control for Uncertain Nonlinear Systems with Input Constraints. , 2021, , . | | 0 |
| 39 | Integral Reinforcement Learning-Based Optimal Control for Nonzero-Sum Games of Multi-Player Input-Constrained Nonlinear Systems. , 2021, , . | | 0 |
| 40 | Event-triggered Control for Zero-sum Games Based on Critic-identifier Architecture with Particle Swarm Optimization. , 2021, , . | | 0 |
| 41 | Adaptive Synchronization of Delayed Memristive Neural Networks With Unknown Parameters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 539-549. | 9.3 | 28 |
| 42 | Model-Free H_{∞} Optimal Tracking Control of Constrained Nonlinear Systems via an Iterative Adaptive Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4097-4108. | 9.3 | 39 |
| 43 | Event-Triggered Adaptive Critic Control Design for Discrete-Time Constrained Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3158-3168. | 9.3 | 71 |
| 44 | Event-triggered adaptive dynamic programming for discrete-time multi-player games. Information Sciences, 2020, 506, 457-470. | 6.9 | 27 |
| 45 | Adaptive dynamic programming based event-triggered control for unknown continuous-time nonlinear systems with input constraints. Neurocomputing, 2020, 396, 191-200. | 5.9 | 35 |
| 46 | Event-Triggered Optimal Control With Performance Guarantees Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 76-88. | 11.3 | 125 |
| 47 | Event-Triggered Adaptive Dynamic Programming for Zero-Sum Game of Partially Unknown Continuous-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3189-3199. | 9.3 | 90 |
| 48 | Neuro-Optimal Control for Discrete Stochastic Processes via a Novel Policy Iteration Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3972-3985. | 9.3 | 10 |
| 49 | Continuous-Time Time-Varying Policy Iteration. IEEE Transactions on Cybernetics, 2020, 50, 4958-4971. | 9.5 | 42 |
| 50 | Event-Triggered Decentralized Tracking Control of Modular Reconfigurable Robots Through Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2020, 67, 3054-3064. | 7.9 | 130 |
| 51 | Reinforcement Learning-Based Optimal Stabilization for Unknown Nonlinear Systems Subject to Inputs With Uncertain Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4330-4340. | 11.3 | 100 |
| 52 | Relaxed Stability Criteria for Neural Networks With Time-Varying Delay Using Extended Secondary Delay Partitioning and Equivalent Reciprocal Convex Combination Techniques. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4157-4169. | 11.3 | 18 |
| 53 | Adaptive synchronization of memristor-based neural networks with discontinuous activations. Neurocomputing, 2020, 381, 196-206. | 5.9 | 13 |
| 54 | Fault tolerant tracking control for nonlinear systems with actuator failures through particle swarm optimization-based adaptive dynamic programming. Applied Soft Computing Journal, 2020, 97, 106766. | 7.2 | 20 |

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|----|---|------|-----------|
| 55 | Adaptive dynamic programming-based decentralised control for large-scale nonlinear systems subject to mismatched interconnections with unknown time-delay. <i>International Journal of Systems Science</i> , 2020, 51, 2883-2898. | 5.5 | 9 |
| 56 | Integral reinforcement learning based event-triggered control with input saturation. <i>Neural Networks</i> , 2020, 131, 144-153. | 5.9 | 19 |
| 57 | Observer Based Event-triggered Fault Compensation Control for Nonlinear Systems via Adaptive Dynamic Programming. , 2020, , . | | 0 |
| 58 | Editorial Special Issue on Adaptive Dynamic Programming and Reinforcement Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3944-3947. | 9.3 | 6 |
| 59 | Data-based fault tolerant control for affine nonlinear systems through particle swarm optimized neural networks. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 954-964. | 13.1 | 97 |
| 60 | Event-triggered constrained control with DHP implementation for nonaffine discrete-time systems. <i>Information Sciences</i> , 2020, 519, 110-123. | 6.9 | 28 |
| 61 | Deterministic policy gradient adaptive dynamic programming for model-free optimal control. <i>Neurocomputing</i> , 2020, 387, 40-50. | 5.9 | 38 |
| 62 | Improved value iteration for neural-network-based stochastic optimal control design. <i>Neural Networks</i> , 2020, 124, 280-295. | 5.9 | 15 |
| 63 | Data-Based Nonaffine Optimal Tracking Control Using Iterative DHP Approach. <i>IFAC-PapersOnLine</i> , 2020, 53, 4246-4251. | 0.9 | 19 |
| 64 | Approximate Optimal Control of Nonlinear Systems with Mismatched Perturbations Based on Asymptotically Stable Critic Neural Network. , 2020, , . | | 0 |
| 65 | Observer-Based H Tracking Control Scheme and Its Application to Robot Arms. <i>IFAC-PapersOnLine</i> , 2020, 53, 536-541. | 0.9 | 2 |
| 66 | Value-Iteration-Based Neuro-Optimal Tracking Control for Affine Systems with Completely Unknown Dynamics. , 2020, , . | | 5 |
| 67 | Model-Free Control of Time-Delay Systems via Policy Gradient Based Adaptive Learning Algorithm. , 2020, , . | | 1 |
| 68 | Fault Tolerant Tracking Control Through Particle Swarm Optimization Based Policy Iteration. , 2020, , . | | 0 |
| 69 | Data-based Optimal Control for Discrete-time Systems via Deep Deterministic Policy Gradient Adaptive Dynamic Programming. , 2019, , . | | 0 |
| 70 | An echo state network based approach to room classification of office buildings. <i>Neurocomputing</i> , 2019, 333, 319-328. | 5.9 | 15 |
| 71 | Robust Exponential Synchronization for Memristor Neural Networks With Nonidentical Characteristics by Pinning Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, , 1-15. | 9.3 | 9 |
| 72 | A Tracking Control Method based on Event-Triggered Adaptive Dynamic Programming. , 2019, , . | | 2 |

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|----|--|------|-----------|
| 73 | Fault Tolerant Control for Nonlinear Systems Based on Adaptive Dynamic Programming with Particle Swarm Optimization. , 2019, , . | | 3 |
| 74 | A Combined Policy Gradient and Q-learning Method for Data-driven Optimal Control Problems. , 2019, , . | | 0 |
| 75 | Pinning Control for Synchronization of Drive-Response Memristive Neural Networks with Nonidentical Parameters. , 2019, , . | | 0 |
| 76 | Event-Triggered Adaptive Control for Discrete-Time Zero-Sum Games*. , 2019, , . | | 0 |
| 77 | Distributed Adaptive Dynamic Programming Algorithm for Office Energy Control with Multiple Batteries. , 2019, , . | | 0 |
| 78 | Output Tracking Control Based on Adaptive Dynamic Programming With Multistep Policy Evaluation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2155-2165. | 9.3 | 56 |
| 79 | Event-Triggered Optimal Neuro-Controller Design With Reinforcement Learning for Unknown Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1866-1878. | 9.3 | 71 |
| 80 | Local Near-Optimal Control for Interconnected Systems with Time-Varying Delays. Lecture Notes in Computer Science, 2019, , 458-468. | 1.3 | 0 |
| 81 | Neural robust stabilization via event-triggering mechanism and adaptive learning technique. Neural Networks, 2018, 102, 27-35. | 5.9 | 37 |
| 82 | A novel triggering condition of event-triggered control based on heuristic dynamic programming for discrete-time systems. Optimal Control Applications and Methods, 2018, 39, 1467-1478. | 2.1 | 19 |
| 83 | Robust synchronization of memristive neural networks with strong mismatch characteristics via pinning control. Neurocomputing, 2018, 289, 144-154. | 5.9 | 24 |
| 84 | Residential energy scheduling for variable weather solar energy based on adaptive dynamic programming. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 36-46. | 13.1 | 197 |
| 85 | Learning and Guaranteed Cost Control With Event-Based Adaptive Critic Implementation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6004-6014. | 11.3 | 83 |
| 86 | Adaptive \mathcal{H}_∞ Learning for Data-Based Optimal Output Regulation With Experience Replay. IEEE Transactions on Cybernetics, 2018, 48, 3337-3348. | 9.5 | 108 |
| 87 | Special Issue on Deep Reinforcement Learning and Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2038-2041. | 11.3 | 18 |
| 88 | Connectivity preservation of second-order nonlinear multiagent systems with hybrid event-driven and time-driven control. International Journal of Systems Science, 2018, 49, 1368-1382. | 5.5 | 3 |
| 89 | Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. IEEE Transactions on Industrial Informatics, 2018, 14, 2932-2940. | 11.3 | 129 |
| 90 | Distributed algorithm for dissensus of a class of networked multiagent systems using output information. Soft Computing, 2018, 22, 273-282. | 3.6 | 5 |

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| 91 | Data-Based Optimal Control for Weakly Coupled Nonlinear Systems Using Policy Iteration. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 511-521. | 9.3 | 20 |
| 92 | Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Convergence Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 875-891. | 9.3 | 121 |
| 93 | Decentralized Control for Large-Scale Nonlinear Systems With Unknown Mismatched Interconnections via Policy Iteration. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1725-1735. | 9.3 | 129 |
| 94 | Manifold Regularized Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 932-943. | 11.3 | 20 |
| 95 | Adaptive Dynamic Programming for Discrete-Time Zero-Sum Games. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 957-969. | 11.3 | 123 |
| 96 | On Mixed Data and Event Driven Design for Adaptive-Critic-Based Nonlinear H_{∞} Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 993-1005. | 11.3 | 108 |
| 97 | Neural network robust tracking control with adaptive critic framework for uncertain nonlinear systems. Neural Networks, 2018, 97, 11-18. | 5.9 | 53 |
| 98 | Adaptive Constrained Optimal Control Design for Data-Based Nonlinear Discrete-Time Systems With Critic-Only Structure. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2099-2111. | 11.3 | 86 |
| 99 | Adaptive Critic H^{∞} Control of Nonlinear Systems With Disturbance and Input Constraints. , 2018, , . | | 0 |
| 100 | Cooperative Adaptive Control for Consensus of Leader-Following General Linear Multi-Agent Systems in Directed Communication Topology. , 2018, , . | | 0 |
| 101 | Adaptive-Learning-Based H^{∞} Optimal Tracking Control Design for a Class of Constrained Nonlinear Systems. , 2018, , . | | 0 |
| 102 | Seasonal Scheduling of Office Electricity Use via Adaptive Dynamic Programming. , 2018, , . | | 0 |
| 103 | Event-Triggered Adaptive Dynamic Programming for Continuous-Time Nonlinear Two-Player Zero-Sum Game. Lecture Notes in Computer Science, 2018, , 15-25. | 1.3 | 1 |
| 104 | Local Tracking Control for Unknown Interconnected Systems via Neuro-Dynamic Programming. Lecture Notes in Computer Science, 2018, , 258-268. | 1.3 | 0 |
| 105 | Data-driven policy learning strategy for nonlinear robust control with unknown perturbation. , 2018, , . | | 0 |
| 106 | Adaptive Event-Based Control for Discrete-Time Nonaffine Systems with Constrained Inputs. , 2018, , . | | 1 |
| 107 | Adaptive Dynamic Programming for Optimal Control of Nonlinear Distributed Parameter Systems. , 2018, , 335-359. | | 0 |
| 108 | Neural Network Learning and Robust Stabilization of Nonlinear Systems With Dynamic Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1342-1351. | 11.3 | 77 |

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| 109 | OPERON. , 2018, , . | | 10 |
| 110 | Fault detection and control co-design for discrete-time delayed fuzzy networked control systems subject to quantization and multiple packet dropouts. Fuzzy Sets and Systems, 2017, 306, 1-25. | 2.7 | 41 |
| 111 | Online identifierâ€“actorâ€“critic algorithm for optimal control of nonlinear systems. Optimal Control Applications and Methods, 2017, 38, 317-335. | 2.1 | 18 |
| 112 | Error Bound Analysis of Q -Function for Discounted Optimal Control Problems With Policy Iteration. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1207-1216. | 9.3 | 23 |
| 113 | A novel optimal tracking control scheme for a class of discrete-time nonlinear systems using generalised policy iteration adaptive dynamic programming algorithm. International Journal of Systems Science, 2017, 48, 525-534. | 5.5 | 26 |
| 114 | Optimization of electricity consumption in office buildings based on adaptive dynamic programming. Soft Computing, 2017, 21, 6369-6379. | 3.6 | 15 |
| 115 | Mixed Iterative Adaptive Dynamic Programming for Optimal Battery Energy Control in Smart Residential Microgrids. IEEE Transactions on Industrial Electronics, 2017, 64, 4110-4120. | 7.9 | 131 |
| 116 | Event-Driven Adaptive Robust Control of Nonlinear Systems With Uncertainties Through NDP Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1358-1370. | 9.3 | 111 |
| 117 | Overview of Adaptive Dynamic Programming. Advances in Industrial Control, 2017, , 1-33. | 0.5 | 3 |
| 118 | Decentralized Control of Continuous-Time Interconnected Nonlinear Systems. Advances in Industrial Control, 2017, , 387-415. | 0.5 | 0 |
| 119 | Learning Algorithms for Differential Games of Continuous-Time Systems. Advances in Industrial Control, 2017, , 417-480. | 0.5 | 2 |
| 120 | Adaptive Dynamic Programming for Optimal Residential Energy Management. Advances in Industrial Control, 2017, , 483-535. | 0.5 | 0 |
| 121 | Adaptive Dynamic Programming for Optimal Control of Coal Gasification Process. Advances in Industrial Control, 2017, , 537-569. | 0.5 | 1 |
| 122 | Data-Based Neuro-Optimal Temperature Control of Water Gas Shift Reaction. Advances in Industrial Control, 2017, , 571-590. | 0.5 | 0 |
| 123 | Value Iteration ADP for Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 37-90. | 0.5 | 3 |
| 124 | Finite Approximation Error-Based Value Iteration ADP. Advances in Industrial Control, 2017, , 91-149. | 0.5 | 1 |
| 125 | Policy Iteration for Optimal Control of Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 151-175. | 0.5 | 0 |
| 126 | Generalized Policy Iteration ADP for Discrete-Time Nonlinear Systems. Advances in Industrial Control, 2017, , 177-221. | 0.5 | 0 |

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| 127 | Error Bounds of Adaptive Dynamic Programming Algorithms. <i>Advances in Industrial Control</i> , 2017, , 223-264. | 0.5 | 0 |
| 128 | Online Optimal Control of Continuous-Time Affine Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017, , 267-307. | 0.5 | 0 |
| 129 | Optimal Control of Unknown Continuous-Time Nonaffine Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017, , 309-344. | 0.5 | 1 |
| 130 | Robust and Optimal Guaranteed Cost Control of Continuous-Time Nonlinear Systems. <i>Advances in Industrial Control</i> , 2017, , 345-386. | 0.5 | 0 |
| 131 | Self-tuned local feedback gain based decentralized fault tolerant control for a class of large-scale nonlinear systems. <i>Neurocomputing</i> , 2017, 235, 147-156. | 5.9 | 31 |
| 132 | Event-Based Constrained Robust Control of Affine Systems Incorporating an Adaptive Critic Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1602-1612. | 9.3 | 40 |
| 133 | Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Admissibility and Termination Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2490-2502. | 11.3 | 32 |
| 134 | Intelligent Critic Control With Disturbance Attenuation for Affine Dynamics Including an Application to a Microgrid System. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4935-4944. | 7.9 | 83 |
| 135 | Adaptive near-optimal controllers for non-linear decentralised feedback stabilisation problems. <i>IET Control Theory and Applications</i> , 2017, 11, 799-806. | 2.1 | 26 |
| 136 | Improving the Critic Learning for Event-Based Nonlinear H_{∞} Control Design. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 3417-3428. | 9.5 | 72 |
| 137 | Observer-critic structure-based adaptive dynamic programming for decentralised tracking control of unknown large-scale nonlinear systems. <i>International Journal of Systems Science</i> , 2017, 48, 1978-1989. | 5.5 | 41 |
| 138 | Echo state network-based Q-learning method for optimal battery control of offices combined with renewable energy. <i>IET Control Theory and Applications</i> , 2017, 11, 915-922. | 2.1 | 34 |
| 139 | Multi-step heuristic dynamic programming for optimal control of nonlinear discrete-time systems. <i>Information Sciences</i> , 2017, 411, 66-83. | 6.9 | 34 |
| 140 | Event-Driven Nonlinear Discounted Optimal Regulation Involving a Power System Application. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 8177-8186. | 7.9 | 83 |
| 141 | Pinning synchronization of memristor-based neural networks with time-varying delays. <i>Neural Networks</i> , 2017, 93, 143-151. | 5.9 | 46 |
| 142 | Bounded robust control design for uncertain nonlinear systems using single-network adaptive dynamic programming. <i>Neurocomputing</i> , 2017, 266, 128-140. | 5.9 | 23 |
| 143 | Adaptive Dynamic Programming with Applications in Optimal Control. <i>Advances in Industrial Control</i> , 2017, , . | 0.5 | 259 |
| 144 | Observer based adaptive dynamic programming for fault tolerant control of a class of nonlinear systems. <i>Information Sciences</i> , 2017, 384, 21-33. | 6.9 | 83 |

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|-----|---|------|-----------|
| 145 | Optimal constrained self-learning battery sequential management in microgrid via adaptive dynamic programming. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 168-176. | 13.1 | 150 |
| 146 | Adaptive dynamic programming for robust neural control of unknown continuous-time nonlinear systems. IET Control Theory and Applications, 2017, 11, 2307-2316. | 2.1 | 40 |
| 147 | Adaptive dynamic programming based decentralized tracking control for unknown large-scale systems. , 2017, , . | | 1 |
| 148 | Neural network adaptive critic control with disturbance rejection. , 2017, , . | | 1 |
| 149 | Synchronization of Memristor-Based Time-Delayed Neural Networks via Pinning Control. Lecture Notes in Computer Science, 2017, , 699-708. | 1.3 | 0 |
| 150 | Long short-term memory based on a reward/punishment strategy for recurrent neural networks. , 2017, , . | | 4 |
| 151 | Adaptive critic designs for solving event-based H_{∞} control problems. , 2017, , . | | 3 |
| 152 | Optimal management of office energy consumption via Q-learning algorithm. , 2017, , . | | 0 |
| 153 | Adaptive Critic Nonlinear Robust Control: A Survey. IEEE Transactions on Cybernetics, 2017, 47, 3429-3451. | 9.5 | 287 |
| 154 | An Indirect Data-Driven Method for Trajectory Tracking Control of a Class of Nonlinear Discrete-Time Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 4121-4129. | 7.9 | 41 |
| 155 | Discrete-Time Optimal Control via Local Policy Iteration Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2017, 47, 3367-3379. | 9.5 | 90 |
| 156 | Policy Gradient Adaptive Dynamic Programming for Data-Based Optimal Control. IEEE Transactions on Cybernetics, 2017, 47, 3341-3354. | 9.5 | 145 |
| 157 | Data-based robust near-optimal decentralized stabilization of unknown large-scale systems. , 2017, , . | | 0 |
| 158 | Discrete-time optimal zero-sum games for nonlinear systems via adaptive dynamic programming. , 2017, , . | | 2 |
| 159 | Partially-Directed-Topology-Based Consensus Control for Linear Multi-agent Systems. Lecture Notes in Computer Science, 2017, , 147-156. | 1.3 | 0 |
| 160 | Local Policy Iteration Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. Lecture Notes in Computer Science, 2017, , 148-153. | 1.3 | 0 |
| 161 | Neuro-control of Nonlinear Systems with Unknown Input Constraints. Lecture Notes in Computer Science, 2017, , 778-788. | 1.3 | 0 |
| 162 | An Event-Triggered Heuristic Dynamic Programming Algorithm for Discrete-Time Nonlinear Systems. Lecture Notes in Computer Science, 2017, , 741-748. | 1.3 | 0 |

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|-----|---|-----|-----------|
| 163 | Continuous-Time Distributed Adaptive Dynamic Programming for Heterogeneous Multiagent Optimal Synchronization Control. , 2016, , 275-304. | | 1 |
| 164 | Discrete-Time Two-Player Zero-Sum Games for Nonlinear Systems Using Iterative Adaptive Dynamic Programming. Lecture Notes in Computer Science, 2016, , 269-276. | 1.3 | 2 |
| 165 | Discrete-time optimal control scheme based on Q-learning algorithm. , 2016, , . | | 0 |
| 166 | An adaptive dynamic programming based method for optimization of electricity consumption in office buildings. , 2016, , . | | 2 |
| 167 | Data-based self-learning optimal control for continuous-time unknown nonlinear systems with disturbance. , 2016, , . | | 2 |
| 168 | Iterative Q-learning-based nonlinear optimal tracking control. , 2016, , . | | 1 |
| 169 | Improvement of reliable H ∞ control for discrete-time fuzzy systems with time-varying delays. , 2016, , . | | 0 |
| 170 | Optimal self-learning control scheme for discrete-time nonlinear systems using local value iteration. , 2016, , . | | 1 |
| 171 | Adaptive-critic-based event-driven nonlinear robust state feedback. , 2016, , . | | 6 |
| 172 | Data-based robust control for unknown nonlinear systems. , 2016, , . | | 0 |
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