## Dynamic Programming and Suboptimal Control: A Survey from ADP to MPC*

| # | Paper | IF | Citations |
|---|-------|----|-----------| 
| 261 | . **2006**, | | |
| 260 | Simulation-based Algorithms for Markov Decision Processes. *Communications and Control Engineering*, **2007**, | 0.6 | 82 |
| 259 | Adaptive Planning Horizon Based on Information Velocity for Vision-Based Navigation. **2007**, | | 7 |
| 258 | Approximate Optimal Control-Based Neurocontroller with a State Observation System for Seedlings Growth in Greenhouse. **2007**, | | 2 |
| 257 | Separable Dynamic Programming and Approximate Decomposition Methods. *IEEE Transactions on Automatic Control*, **2007**, 52, 911-916 | 5.9 | 13 |
| 256 | Control of a re-entrant line manufacturing model with a reinforcement learning approach. **2007**, | | 5 |
| 255 | Efficient policies for the problem of optimal node visitation in acyclic stochastic digraphs. **2007**, | | 2 |
| 254 | Robust output-feedback model predictive control for systems with unstructured uncertainty. **2008**, 44, 1933-1943 | | 74 |
| 253 | Admission Control in UMTS Networks based on Approximate Dynamic Programming. *European Journal of Control*, **2008**, 14, 62-75 | 2.5 | 15 |
| 252 | Optimal Node Visitation in Stochastic Digraphs. *IEEE Transactions on Automatic Control*, **2008**, 53, 2558-2570 | 5.9 | 4 |
| 251 | Design of a Well-behaved Algorithm for On-board Look-ahead Control. **2008**, 41, 3350-3355 | | 3 |
| 250 | Strategies for cellular decision-making. **2009**, 5, 326 | | 210 |
| 249 | Scheduling dispensing and counting in secondary pharmaceutical manufacturing. *AICHE Journal*, **2009**, 55, 1161-1170 | 3.6 | 12 |
| 248 | Partially Observable Markov Decision Process Approximations for Adaptive Sensing. **2009**, 19, 377-422 | | 48 |
| 247 | Multi-objective evolutionary optimization of biological pest control with impulsive dynamics in soybean crops. **2009**, 71, 1463-81 | | 6 |
| 246 | A policy approximation method for the UMTS connection admission control problem modelled as an MDP. **2009**, 82, 1814-1827 | | 8 |
| 245 | . **2009**, | | |

2

| | | | |
|---|---|---|---|
| 244 | Unifying Plan-Space Value-Based Approximate Dynamic Programming Policies and Open Loop Feedback Control. **2009**, | | |
| 243 | Real-time management of a multipurpose water reservoir with a heteroscedastic inflow model. *Water Resources Research*, **2009**, 45, | 5.4 | 30 |
| 242 | Optimal Call Admission and Call Dropping Control in Links with Variable Capacity. *European Journal of Control*, **2009**, 15, 56-67 | 2.5 | 8 |
| 241 | Open-loop feedback control under multiple disturbance function hypotheses. **2010**, | | 3 |
| 240 | Admission Control and Channel Allocation for Supporting Real-Time Applications in Cognitive Radio Networks. **2010**, | | 10 |
| 239 | Stochastic receding horizon control with output feedback and bounded control inputs. **2010**, | | 12 |
| 238 | Model Predictive Control of Wastewater Systems. **2010**, | | 24 |
| 237 | Iterative encoder-controller design based on approximate dynamic programming. **2010**, | | 2 |
| 236 | Approximate reinforcement learning: An overview. **2011**, | | 18 |
| 235 | First-exit model predictive control of fast discontinuous dynamics: Application to ball bouncing. **2011**, | | 21 |
| 234 | Stochastic Receding Horizon Control With Bounded Control Inputs: A Vector Space Approach. *IEEE Transactions on Automatic Control*, **2011**, 56, 2704-2710 | 5.9 | 63 |
| 233 | Cross-entropy optimization of control policies with adaptive basis functions. **2011**, 41, 196-209 | | 44 |
| 232 | Approximate Dynamic Programming I: Modeling. **2011**, | | 6 |
| 231 | Convexity and convex approximations of discrete-time stochastic control problems with constraints. **2011**, 47, 2082-2087 | | 56 |
| 230 | On 1-norm stochastic optimal control with bounded control inputs. **2011**, | | 1 |
| 229 | A chernoff bound approximation for risk-averse integer programming. **2011**, | | 1 |
| 228 | Energy-aware wireless networked control using radio-mode management. **2012**, | | 6 |
| 227 | Input-to-state stability of hybrid systems with receding horizon control in the presence of unreliable network packet dropouts. **2012**, | | |

| | | | |
|---|---|---|---|
| 226 | An Evaluation of Path Planners for Guidance With Vision Based Simultaneous Localization and Mapping. **2012**, | | 3 |
| 225 | Linear Receding Horizon Control with Probabilistic System Parameters. **2012**, 45, 627-632 | | 6 |
| 224 | Integral Q-learning and explorized policy iteration for adaptive optimal control of continuous-time linear systems. **2012**, 48, 2850-2859 | | 92 |
| 223 | A MDP Approach to Fault-Tolerant Routingg. *European Journal of Control*, **2012**, 18, 334-347 | 2.5 | 3 |
| 222 | Delay Sensitive Communications over Cognitive Radio Networks. **2012**, 11, 1402-1411 | | 27 |
| 221 | Dynamic routing of time-sensitive air cargo using real-time information. **2012**, 48, 355-372 | | 19 |
| 220 | Input-to-state stability of hybrid systems with receding horizon control in the presence of packet dropouts. **2012**, 48, 1920-1923 | | 8 |
| 219 | Reinforcement learning and optimal adaptive control: An overview and implementation examples. **2012**, 36, 42-59 | | 104 |
| 218 | Simulation-Based Algorithms for Markov Decision Processes. *Communications and Control Engineering*, **2013**, | 0.6 | 19 |
| 217 | Scenario-based, closed-loop model predictive control with application to emergency vehicle scheduling. **2013**, 86, 1338-1348 | | 20 |
| 216 | Assessing the value of cooperation and information exchange in large water resources systems by agent-based optimization. *Water Resources Research*, **2013**, 49, 3912-3926 | 5.4 | 61 |
| 215 | A structured approach to optimization of energy harvesting wireless sensor networks. **2013**, | | 9 |
| 214 | . **2013**, 49, 2397-2412 | | 109 |
| 213 | Suboptimal Cold Start Strategies for Spark Ignition Engines. **2013**, 21, 1295-1308 | | 5 |
| 212 | On-Line Control Methods via Simulation. *Communications and Control Engineering*, **2013**, 179-218 | 0.6 | |
| 211 | Joint and distributed scheduling with dynamic power control in multicell orthogonal frequency division multiple access networks. **2013**, 7, 1938-1947 | | 2 |
| 210 | Adaptive Estimation of Time-Varying Sparse Signals. *IEEE Access*, **2013**, 1, 449-464 | 3.5 | 4 |
| 209 | Adaptive collaborating filtering: The low noise regime. **2013**, | | 3 |

| | | | |
|---|---|---|---|
| 208 | A lexicographie approach to constrained MDP Admission Control. **2013**, | | |
| 207 | Packet relaying control in sensing-based spectrum sharing systems. **2013**, | | |
| 206 | Optimal Charging Strategy for EV Charging Stations by Two-Stage Approximate Dynamic Programming. **2013**, 46, 423-430 | | 1 |
| 205 | Economic viability of dynamic spectrum management. 396-432 | | 5 |
| 204 | Dynamic Capacity Management with General Upgrading. **2014**, | | 2 |
| 203 | Predictive Thermal Control for Real-Time Video Decoding. **2014**, | | 1 |
| 202 | A price-directed heuristic for the economic lot scheduling problem. **2014**, 46, 1343-1356 | | 3 |
| 201 | A Unifying Approximate Dynamic Programming Model for the Economic Lot Scheduling Problem. **2014**, 39, 374-402 | | 10 |
| 200 | Approximation of Constrained Average Cost Markov Control Processes. **2014**, | | 0 |
| 199 | A decomposition algorithm for Mean-Variance Economic Model Predictive Control of stochastic linear systems. **2014**, | | 1 |
| 198 | A mean-variance criterion for economic model predictive control of stochastic linear systems. **2014**, | | 2 |
| 197 | Stochastic optimal enhancement of distributed formation control using Kalman smoothers. **2014**, 32, 305-324 | | 3 |
| 196 | Hierarchical Multi-skill Resource Assignment in the Telecommunications Industry. **2014**, 23, 489-503 | | 10 |
| 195 | An Alternative Perspective on Utility Maximization in Energy-Harvesting Wireless Sensor Networks. **2014**, 63, 344-356 | | 26 |
| 194 | Attention allocation for decision making queues. **2014**, 50, 378-388 | | 9 |
| 193 | Control for Safety Specifications of Systems With Imperfect Information on a Partial Order. *IEEE Transactions on Automatic Control*, **2014**, 59, 982-995 | 5.9 | 15 |
| 192 | Optimal regulation of uncertain dynamic systems using adaptive dynamic programming. **2014**, 1, 226-256 | | 12 |
| 191 | On the stability of receding horizon control for continuous-time stochastic systems. *Systems and Control Letters*, **2014**, 63, 43-49 | 2.4 | 8 |

172    Air Cargo Network Revenue Management. **2016**, 50, 1206-1222    12

171    Approximate Model Predictive Control for Polynomial Systems Using Sum-of-Squares Programming. **2016**,

170    A lexicographic approach to constrained MDP admission control. **2016**, 89, 235-247    5

169    Rollout strategies for real-time multi-energy scheduling in microgrid with storage system. **2016**, 10, 688-696    31

168    Motion Planning for Continuous-Time Stochastic Processes: A Dynamic Programming Approach. *IEEE Transactions on Automatic Control*, **2016**, 61, 2155-2170    5.9   3

167    Curses, Tradeoffs, and Scalable Management: Advancing Evolutionary Multiobjective Direct Policy Search to Improve Water Reservoir Operations. **2016**, 142, 04015050    124

166    Resilient revenue management: a literature survey of recent theoretical advances. **2017**, 16, 483-498    5

165    Dynamic Programming, Numerical. **2017**, 1-10    3

164    Dynamic replication control strategy for Opportunistic Networks. **2017**,    3

163    Relations between Model Predictive Control and Reinforcement Learning. **2017**, 50, 4920-4928    46

162    Robust adaptive strategies for the guidance of users in road networks. **2017**, 22, 645-654    2

161    Cooperative robotic networks for underwater surveillance: an overview. **2017**, 11, 1740-1761    52

160    A rollout algorithm framework for heuristic solutions to finite-horizon stochastic dynamic programs. **2017**, 258, 216-229    33

159    Goal-driven dimensionality reduction for reinforcement learning. **2017**,    4

158    A market-based task allocation framework for autonomous underwater surveillance networks. **2017**,    10

157    Towards Parallelizable Sampling-Based Nonlinear Model Predictive Control. **2017**, 50, 13176-13181    4

156    Stacked adaptive dynamic programming with unknown system model. **2017**, 50, 4150-4155    3

155    Data-driven approximate dynamic programming: A linear programming approach. **2017**,    2

| | | |
|---|---|---|
| 154 | Robust UAV path planning using POMDP with limited FOV sensor. **2017**, | 8 |
| 153 | Stochastic control of observer trajectories in passive tracking with acoustic signal propagation optimisation. **2018**, 12, 112-120 | 4 |
| 152 | Stochastic model predictive control with active uncertainty learning: A Survey on dual control. **2018**, 45, 107-117 | 41 |
| 151 | Meeting Corporate Renewable Power Targets. **2018**, | 2 |
| 150 | Constrained and Stabilizing Stacked Adaptive Dynamic Programming and a Comparison with Model Predictive Control. **2018**, | 2 |
| 149 | Direct Model Predictive Control: A Theoretical and Numerical Analysis. **2018**, | |
| 148 | Dynamic Sampling for Feasibility Determination. **2018**, | 1 |
| 147 | Addressing infinite-horizon optimization in MPC via Q-learning. **2018**, 51, 60-65 | 4 |
| 146 | . **2018**, | |
| 145 | Revenue Management with Repeated Customer Interactions. **2018**, | 1 |
| 144 | Cross-Layer Design for Energy Harvesting Links. **2018**, 127-165 | |
| 143 | Energy Harvesting in Next-Generation Cellular Networks. **2018**, 239-286 | |
| 142 | Autonomous Underwater Surveillance Networks: A Task Allocation Framework to Manage Cooperation. **2018**, | 5 |
| 141 | Reinforcement learning for control: Performance, stability, and deep approximators. **2018**, 46, 8-28 | 100 |
| 140 | Reflection on Metadata Construction Taking Beijing Hutong Metadata Project as an Example. **2018**, | |
| 139 | X-Ray Pulsar Signal Profile Recognition and Separation. **2018**, | |
| 138 | Ranking and Selection as Stochastic Control. *IEEE Transactions on Automatic Control*, **2018**, 63, 2359-2373 | 3.9 | 20 |
| 137 | Learning-Based Predictive Control for Discrete-Time Nonlinear Systems With Stochastic Disturbances. **2018**, 29, 6202-6213 | 24 |

136 Stochastic Model Predictive Control for Gust Alleviation during Aircraft Carrier Landing. **2018**, 2

135 A unified framework for stochastic optimization. **2019**, 275, 795-821 79

134 Functional Nonlinear Model Predictive Control Based on Adaptive Dynamic Programming. **2019**, 49, 4206-4218 29

133 Control of Self-Assembly with Dynamic Programming. **2019**, 52, 1-9 4

132 Toward self-driving processes: A deep reinforcement learning approach to control. *AICHE Journal*, **2019**, 65, e16689   3.6  40

131 Near-optimal control of nonlinear dynamical systems: A brief survey. **2019**, 47, 71-80 18

130 Author Index. **2019**,

129 Contributors. **2019**, 56, 4-4

128 Deep learning enables accurate alignment of single cell RNA-seq data. **2019**, 1

127 Reliability and Accelerated Testing of 14nm FinFET Ring Oscillators. **2019**,

126 Electronic Nose Coupled with Support Vector Machines for Rapid Discrimination of Black Tea According to the Quality Levels. **2019**,

125 Latency Constraint-aware Scheduler for NVMe Solid State Drives. **2019**,

124 Improved Discrete Wavelet Analysis and Principal Component Analysis for EEG Signal Processing. **2019**,

123 An Object Attribute Guided Framework for Robot Learning Manipulations from Human Demonstration Videos. **2019**, 0

122 Program Committee. **2019**,

121 Deeper Monocular Depth Prediction via Long and Short Skip Connection. **2019**, 0

120 Design of Magnetic Tunnel Junction based Low Power Non-Volatile Ternary Content Addressable Memory. **2019**,

119 Investigating Cross-Repository Socially Connected Teams on GitHub. **2019**, 1

| 118 | Post Evaluation System of Nuclear Power Plant Construction Based on Comprehensive Fuzzy Theory. **2019**, | 1 |

| 117 | The Development of E-Learning with Intelligent Tutoring System through Anthropological Approach (A Case Study at UIN Syarif Hidayatullah Jakarta). **2019**, | |

| 116 | Fast Separable Terminal Cost Synthesis for Distributed MPC. **2019**, | 1 |

| 115 | . **2019**, | |

| 114 | Dual Carrier PWM Inverter-Fed Nine-Phase AC Motors. **2019**, | 1 |

| 113 | Understanding the Nonlinear Behaviour and Synchronizing Stability of a Grid-Tied VSC Under Grid Voltage Sags. **2019**, | |

| 112 | Sequence-Based Stochastic Receding Horizon Control Using IMM Filtering and Value Function Approximation. **2019**, | 1 |

| 111 | DART: Dynamic Bandwidth Distribution Framework for Virtualized Software Defined Networks. **2019**, | 0 |

| 110 | Estimation of Backscattered Signals of Frequency-coded Chipless RFID Tag. **2019**, | 8 |

| 109 | Research and Design of Website User Behavior Data Acquisition Based on Customized Event Tracking. **2019**, | 1 |

| 108 | On the Impact of log Compaction on Incrementally Checkpointing Stateful Stream-Processing Operators. **2019**, | |

| 107 | Development of Architectural Realizations of Phototherapy Computer's Systems for Prevention and Treatment. **2019**, | |

| 106 | Spear Phishing Simulation in Critical Sector: Telecommunication and Defense Sub-sector. **2019**, | 2 |

| 105 | Integrating Heuristics and Approximations into a Branch and Bound Framework*. **2019**, | 1 |

| 104 | Controlling the Temperature and Humidity in a Greenhouse. **2019**, | 0 |

| 103 | Non-linear filtering of a phase tracking problem: Revisited. **2019**, | |

| 102 | Problems Evoked by The Integration of Renewables as Parts of Building Energy Management Systems. **2019**, | |

| 101 | Broken Rotor Bar Fault Detection in Asynchronous Machines Using Vibration Analysis. **2019**, | 2 |

| | | | |
|---|---|---|---|
| 100 | A C-band Lithium Niobate MEMS Filter with 10% Fractional Bandwidth for 5G Front-ends. **2019**, | | 1 |
| 99 | A novel Doppler based speed measurement technique for individual free-ranging fish. **2019**, | | 2 |
| 98 | Improved Protein Coding Region Prediction using Dipole Moment based SVD Algorithm. **2019**, | | 2 |
| 97 | Surface Remeshing using Quadric based Mesh Simplification and Minimal Angle Improvement. **2019** , | | 1 |
| 96 | Effect of Fullerene Nanoparticles on Barrier Height of Crystal Violet Dye Based Organic Device. **2019**, | | 2 |
| 95 | . **2019**, | | 5 |
| 94 | End-Fire CP Millimeter-Wave Antenna Loaded with Perforated Dielectric Slab. **2019**, | | |
| 93 | Stochastic Optimal Control Using Gaussian Process Regression over Probability Distributions. **2019**, | | 1 |
| 92 | Ecological and safe driving: A model predictive control approach considering spatial and temporal constraints. **2019**, 67, 208-222 | | 16 |
| 91 | A Risk-Averse Stochastic Dynamic Programming Approach to Energy Hub Optimal Dispatch. **2019**, 34, 2169-2178 | | 35 |
| 90 | A rollout algorithm for the resource constrained elementary shortest path problem. **2019**, 34, 1056-1074 | | 2 |
| 89 | . **2019**, 34, 1256-1263 | | 7 |
| 88 | Dynamic Multiobjective Control for Continuous-Time Systems Using Reinforcement Learning. *IEEE Transactions on Automatic Control*, **2019**, 64, 2869-2874 | 5.9 | 14 |
| 87 | Predictive control for networked systems affected by correlated packet loss. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 5078-5094 | 3.6 | 4 |
| 86 | Predictive Control of Discrete Time Stochastic Nonlinear State Space Dynamical Systems: A Particle Nonparametric Approach. **2019**, 80, 165-194 | | |
| 85 | Diagonal Quadratic Approximation for Decentralized Collaborative TSO+DSO Optimal Power Flow. **2019**, 10, 2358-2370 | | 75 |
| 84 | Performance Guarantees for Model-Based Approximate Dynamic Programming in Continuous Spaces. *IEEE Transactions on Automatic Control*, **2020**, 65, 143-158 | 5.9 | 5 |
| 83 | Online Decentralized and Cooperative Dispatch for Multi-Microgrids. **2020**, 17, 450-462 | | 8 |

| 82 | A Universal Empirical Dynamic Programming Algorithm for Continuous State MDPs. *IEEE Transactions on Automatic Control*, **2020**, 65, 115-129 | 5.9 | 5 |
|---|---|---|---|
| 81 | Climate Adaptation as a Control Problem: Review and Perspectives on Dynamic Water Resources Planning Under Uncertainty. *Water Resources Research*, **2020**, 56, e24389 | 5.4 | 45 |
| 80 | Stochastic Control Framework for Determining Feasible Alternatives in Sampling Allocation. *IEEE Transactions on Automatic Control*, **2020**, 65, 2647-2653 | 5.9 | 0 |
| 79 | Second-order necessary optimality conditions for a discrete optimal control problem with nonlinear state equations. *Optimal Control Applications and Methods*, **2020**, 41, 2250-2281 | 1.7 | 0 |
| 78 | Dynamic Sampling Allocation for Selecting a Good Enough Alternative. **2020**, | | |
| 77 | Cooperative Control of Drive Motor and Clutch for Gear Shift of Hybrid Electric Vehicles With Dual-Clutch Transmission. **2020**, 25, 1578-1588 | | 20 |
| 76 | Optimal feedback control of batch self-assembly processes using dynamic programming. **2020**, 88, 32-42 | | 7 |
| 75 | GoodPut, Collision Probability and Network Stability of Energy-Harvesting Cognitive-Radio IoT Networks. **2020**, 6, 1283-1296 | | 6 |
| 74 | Slotted Rectangular Microstrip-Antenna Design for Radar and 5 G Applications. **2020**, | | 3 |
| 73 | A Q-learning predictive control scheme with guaranteed stability. *European Journal of Control*, **2020**, 56, 167-178 | 2.5 | 4 |
| 72 | Automatically Extracting Subroutine Summary Descriptions from Unstructured Comments. **2020**, | | 0 |
| 71 | Wideband Intermodal Nonlinear Signal Processing With a Highly Nonlinear Few-Mode Fiber. **2020**, 26, 1-7 | | 5 |
| 70 | An Improved Decoding Scheme for Emergency Alert Wake-Up Bits in ATSC 3.0. **2020**, 66, 1-8 | | 7 |
| 69 | . **2020**, 67, 1339-1344 | | 11 |
| 68 | Pricing for delivery time flexibility. **2020**, 133, 230-256 | | 0 |
| 67 | . **2020**, 1-1 | | 2 |
| 66 | Noise-Robust Pupil Center Detection Through CNN-Based Segmentation With Shape-Prior Loss. *IEEE Access*, **2020**, 8, 64739-64749 | 3.5 | 9 |
| 65 | Event-triggered receding horizon control via actor-critic design. **2020**, 63, 1 | | 3 |

| | | | |
|---|---|---|---|
| 64 | . **2021**, 5, 463-468 | | 4 |
| 63 | Revenue Management with Repeated Customer Interactions. *Management Science*, **2021**, 67, 2944-2963 | 3.9 | 3 |
| 62 | The constrained forward shortest path tour problem: Mathematical modeling and GRASP approximate solutions. *Networks*, **2021**, 78, 17-31 | 1.6 | 2 |
| 61 | . **2021**, 5, 1759-1764 | | 2 |
| 60 | . *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 1285-1301 | 8.1 | 39 |
| 59 | A State-of-the-Art Review of Deep Reinforcement Learning Techniques for Real-Time Strategy Games. *Studies in Computational Intelligence*, **2021**, 285-307 | 0.8 | 0 |
| 58 | Accelerated Point-wise Maximum Approach to Approximate Dynamic Programming. *IEEE Transactions on Automatic Control*, **2021**, 1-1 | 5.9 | 1 |
| 57 | EMSx: a numerical benchmark for energy management systems. *Energy Systems*, 1 | 1.7 | 0 |
| 56 | Suboptimal control for nonlinear slow-fast coupled systems using reinforcement learning and TakagiŠugeno fuzzy methods. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 1017-1038 | 2.8 | 2 |
| 55 | Decentralized Optimization Over Tree Graphs. *Journal of Optimization Theory and Applications*, **2021**, 189, 384-407 | 1.6 | 1 |
| 54 | Dynamic Sampling Allocation Under Finite Simulation Budget for Feasibility Determination. *INFORMS Journal on Computing*, | 2.4 | 0 |
| 53 | Large-scale dynamic system optimization using dual decomposition method with approximate dynamic programming. *Systems and Control Letters*, **2021**, 150, 104894 | 2.4 | 1 |
| 52 | Gaussian processes non-linear inverse reinforcement learning. *IET Cyber-Systems and Robotics*, **2021**, 3, 150-163 | 1.6 | |
| 51 | Tensors in Modern Statistical Learning. 1-25 | | 0 |
| 50 | Suboptimal reduced control of unknown nonlinear singularly perturbed systems via reinforcement learning. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 6626-6645 | 3.6 | 1 |
| 49 | . *IEEE Transactions on Green Communications and Networking*, **2021**, 5, 950-963 | 4 | 1 |
| 48 | How Does the Coupling of Real-World Policies with Optimization Models Expand the Practicality of Solutions in Reservoir Operation Problems?. *Water Resources Management*, **2021**, 35, 3121-3137 | 3.7 | 0 |
| 47 | Integrating stochastic discrete constraints in MPC. Application to Home Energy Management System. *IFAC Journal of Systems and Control*, **2021**, 17, 100168 | 0.9 | |

| | | | |
|---|---|---|---|
| 46 | Discrete-time decentralized linear quadratic control for linear time-varying systems. *International Journal of Robust and Nonlinear Control*, | 3.6 | 1 |
| 45 | Effects of Sampling and Prediction Horizon in Reinforcement Learning. *IEEE Access*, **2021**, 9, 127611-127618 | 3.5 | 0 |
| 44 | A Method for Simultaneous Optimization of Power Split and Flight Path Trajectories for Hybrid Electric Aircraft. **2021**, | | |
| 43 | The policy graph decomposition of multistage stochastic programming problems. *Networks*, **2020**, 76, 3-23 | 1.6 | 4 |
| 42 | Rollout Algorithms for Discrete Optimization: A Survey. **2013**, 2989-3013 | | 16 |
| 41 | A Survey of Near-Optimal Control of Nonlinear Systems. *Studies in Systems, Decision and Control*, **2020**, 1-20 | 0.8 | 1 |
| 40 | A Vector Quantization Approach to Scenario Generation for Stochastic NMPC. *Lecture Notes in Control and Information Sciences*, **2009**, 235-248 | 0.5 | 9 |
| 39 | Sequential Monte Carlo for Model Predictive Control. *Lecture Notes in Control and Information Sciences*, **2009**, 263-273 | 0.5 | 19 |
| 38 | Approximate Dynamic Programming and Reinforcement Learning. *Studies in Computational Intelligence*, **2010**, 3-44 | 0.8 | 7 |
| 37 | Direct Adaptive Optimal Control: Biologically Inspired Feedback Control. **2008**, 201-222 | | 1 |
| 36 | Algorithms and Bounds for Rollout Sampling Approximate Policy Iteration. *Lecture Notes in Computer Science*, **2008**, 27-40 | 0.9 | 5 |
| 35 | Efficient Methods for Near-Optimal Sequential Decision Making under Uncertainty. *Studies in Computational Intelligence*, **2010**, 125-153 | 0.8 | |
| 34 | Application of Recent Approximate Dynamic Programming Methods for Navigation Problems. *Journal of Korean Institute of Intelligent Systems*, **2011**, 21, 737-742 | 0.6 | 1 |
| 33 | Markov Decision Processes. *Communications and Control Engineering*, **2013**, 1-17 | 0.6 | 0 |
| 32 | The Basic Infinite-Dimensional or Functional Optimization Problem. *Communications and Control Engineering*, **2020**, 1-38 | 0.6 | 0 |
| 31 | Stochastic Optimal Control with Perfect State Information over a Finite Horizon. *Communications and Control Engineering*, **2020**, 299-382 | 0.6 | |
| 30 | Optimal Control Problems over an Infinite Horizon. *Communications and Control Engineering*, **2020**, 471-516 | 0.6 | 1 |
| 29 | Stochastic Optimal Control with Imperfect State Information over a Finite Horizon. *Communications and Control Engineering*, **2020**, 383-426 | 0.6 | |

| # | Title | | |
|---|---|---|---|
| 28 | Sequential Sampling for a Ranking and Selection Problem with Exponential Sampling Distributions. **2020**, | | 0 |
| 27 | Data-Efficient Constrained Learning for Optimal Tracking of Batch Processes. *Industrial &amp; Engineering Chemistry Research*, **2021**, 60, 15658-15668 | 3.9 | 2 |
| 26 | Continuous-time receding-horizon reinforcement learning and its application to path-tracking control of autonomous ground vehicles. *Optimal Control Applications and Methods*, | 1.7 | 0 |
| 25 | A State-of-the-Art Review of Optimal Reservoir Control for Managing Conflicting Demands in a Changing World. *Water Resources Research*, **2021**, 57, e2021WR029927 | 5.4 | 6 |
| 24 | Meeting Corporate Renewable Power Targets. *Management Science*, | 3.9 | |
| 23 | Integration of reinforcement learning and model predictive control to optimize semi-batch bioreactor. *AICHE Journal*, | 3.6 | 1 |
| 22 | Newton method for reinforcement learning and model predictive control. *Results in Control and Optimization*, **2022**, 100121 | 1 | |
| 21 | Radar Resource Management for Multi-Target Tracking Using Model Predictive Control. **2021**, | | |
| 20 | Data-driven Rollout for Deterministic Optimal Control. **2021**, | | |
| 19 | Dynamic Sampling Policy For Subset Selection. **2021**, | | |
| 18 | Perspective view of autonomous control in unknown environment: Dual control for exploitation and exploration vs reinforcement learning. *Neurocomputing*, **2022**, 497, 50-63 | 5.4 | 0 |
| 17 | Modeling Multi-objective Pareto-optimal Reservoir Operation Policies Using State-of-the-art Modeling Techniques. *Water Resources Management*, | 3.7 | 0 |
| 16 | Offline motion libraries and online MPC for advanced mobility skills. *International Journal of Robotics Research*, 027836492211024 | 5.7 | 3 |
| 15 | Emerging methodologies in stability and optimization problems of learning-based nonlinear model predictive control: A survey. *International Journal of Circuit Theory and Applications*, | 2 | 0 |
| 14 | Anticipation in leisure Effects on labor-leisure choice. | | |
| 13 | Dynamical low-rank approximations of solutions to the Hamilton Jacobi Bellman equation. | | 0 |
| 12 | Uncertainty-bounded reinforcement learning for revenue optimization in air cargo: a prescriptive learning approach. | | |
| 11 | Partially Observable Markov Decision Processes in Robotics: A Survey. **2022**, 1-20 | | 0 |

| 10 | An experimental study of two predictive reinforcement learning methods and comparison with model-predictive control. **2022**, 55, 1545-1550 | 0 |
|---|---|---|
| 9 | Real-time optimization for a Digital Twin of a robotic cell with human operators. **2023**, 146, 103858 | 0 |
| 8 | Efficient Multi-Step Lookahead Bayesian Optimization with Local Search Constraints. **2022**, | 0 |
| 7 | How good are learning-based control v.s. model-based control for load shifting? Investigations on a single zone building energy system. **2023**, 273, 127073 | 0 |
| 6 | On the sample complexity of actor-critic method for reinforcement learning with function approximation. | 0 |
| 5 | Future memories are not needed for large classes of POMDPs. **2023**, 51, 270-277 | 0 |
| 4 | Eco-Driving Cruise Control for 4WIMD-EVs Based on Receding Horizon Reinforcement Learning. **2023**, 12, 1350 | 0 |
| 3 | Continuity of discounted values and the structure of optimal policies for periodic-review inventory systems with setup costs. | 0 |
| 2 | Output-feedback stochastic model predictive control of chance-constrained nonlinear systems. | 0 |
| 1 | Model Predictive Control of water resources systems: A review and research agenda. **2023**, | 0 |