

Derong Liu

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428
papers

13,652
citations

64
h-index

105
g-index

575
ext. papers

17,283
ext. citations

4.7
avg, IF

7.4
L-index

#	Paper	IF	Citations
428	. <i>IEEE Computational Intelligence Magazine</i> , 2009 , 4, 39-47	5.6	517
427	Neural-network-based near-optimal control for a class of discrete-time affine nonlinear systems with control constraints. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 1490-503		459
426	A Comprehensive Review of Stability Analysis of Continuous-Time Recurrent Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1229-1262	10.3	390
425	Policy iteration adaptive dynamic programming algorithm for discrete-time nonlinear systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 621-34	10.3	337
424	An iterative adaptive dynamic programming method for solving a class of nonlinear zero-sum differential games. <i>Automatica</i> , 2011 , 47, 207-214	5.7	279
423	Global asymptotic stability of recurrent neural networks with multiple time-varying delays. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 855-73		279
422	Optimal control of unknown nonaffine nonlinear discrete-time systems based on adaptive dynamic programming. <i>Automatica</i> , 2012 , 48, 1825-1832	5.7	265
421	Adaptive dynamic programming for finite-horizon optimal control of discrete-time nonlinear systems with error bound. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 24-36		214
420	Value Iteration Adaptive Dynamic Programming for Optimal Control of Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 840-53	10.2	202
419	Decentralized stabilization for a class of continuous-time nonlinear interconnected systems using online learning optimal control approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 418-28	10.3	199
418	Neural-network-based online HJB solution for optimal robust guaranteed cost control of continuous-time uncertain nonlinear systems. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2834-47	10.2	182
417	Finite-Approximation-Error-Based Optimal Control Approach for Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 779-89	10.2	182
416	Reinforcement-Learning-Based Robust Controller Design for Continuous-Time Uncertain Nonlinear Systems Subject to Input Constraints. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1372-85	10.2	177
415	Data-based approximate policy iteration for affine nonlinear continuous-time optimal control design. <i>Automatica</i> , 2014 , 50, 3281-3290	5.7	176
414	Adaptive Critic Nonlinear Robust Control: A Survey. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3429-3451	10.2	166
413	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2134-44	10.3	165
412	Finite-horizon neuro-optimal tracking control for a class of discrete-time nonlinear systems using adaptive dynamic programming approach. <i>Neurocomputing</i> , 2012 , 78, 14-22	5.4	157

411	Adaptive Dynamic Programming for Control. <i>Communications and Control Engineering</i> , 2013 ,	0.6	145
410	Data-Based Adaptive Critic Designs for Nonlinear Robust Optimal Control With Uncertain Dynamics. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1544-1555	7.3	142
409	Adaptive Dynamic Programming for Optimal Tracking Control of Unknown Nonlinear Systems With Application to Coal Gasification. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 1020-1036	4.9	142
408	Delay-dependent guaranteed cost control for uncertain stochastic fuzzy systems with multiple time delays. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 126-40		137
407	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 1015-1027	7.3	136
406	Finite-approximation-error-based discrete-time iterative adaptive dynamic programming. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2820-33	10.2	136
405	Data-Driven Neuro-Optimal Temperature Control of Water-Gas Shift Reaction Using Stable Iterative Adaptive Dynamic Programming. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6399-6408	8.9	134
404	Policy Iteration Algorithm for Online Design of Robust Control for a Class of Continuous-Time Nonlinear Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 627-632	4.9	133
403	Neural-network-based zero-sum game for discrete-time nonlinear systems via iterative adaptive dynamic programming algorithm. <i>Neurocomputing</i> , 2013 , 110, 92-100	5.4	121
402	A novel dual iterative Q-learning method for optimal battery management in smart residential environments. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 2509-2518	8.9	116
401	Reinforcement learning for adaptive optimal control of unknown continuous-time nonlinear systems with input constraints. <i>International Journal of Control</i> , 2014 , 87, 553-566	1.5	115
400	A self-learning call admission control scheme for CDMA cellular networks. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 1219-28		114
399	Adaptive Dynamic Programming with Applications in Optimal Control. <i>Advances in Industrial Control</i> , 2017 ,	0.3	111
398	Taguchi method for solving the economic dispatch problem with nonsmooth cost functions. <i>IEEE Transactions on Power Systems</i> , 2005 , 20, 2006-2014	7	107
397	Residential energy scheduling for variable weather solar energy based on adaptive dynamic programming. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018 , 5, 36-46	7	106
396	Adaptive critic learning techniques for engine torque and air-fuel ratio control. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 988-93		106
395	. <i>IEEE Transactions on Fuzzy Systems</i> , 2007 , 15, 453-469	8.3	106
394	Neural-Network-Based Optimal Control for a Class of Unknown Discrete-Time Nonlinear Systems Using Globalized Dual Heuristic Programming. <i>IEEE Transactions on Automation Science and Engineering</i> , 2012 , 9, 628-634	4.9	104

393	Infinite horizon self-learning optimal control of nonaffine discrete-time nonlinear systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 866-79	10.3	101
392	Robust stability analysis for interval cohen-grossberg neural networks with unknown time-varying delays. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1942-55		101
391	Integral Reinforcement Learning for Linear Continuous-Time Zero-Sum Games With Completely Unknown Dynamics. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 706-714	4.9	99
390	An iterative adaptive dynamic programming algorithm for optimal control of unknown discrete-time nonlinear systems with constrained inputs. <i>Information Sciences</i> , 2013 , 220, 331-342	7.7	99
389	An Approximate Optimal Control Approach for Robust Stabilization of a Class of Discrete-Time Nonlinear Systems With Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 713-717	7.3	95
388	Neural-Network-Based Distributed Adaptive Robust Control for a Class of Nonlinear Multiagent Systems With Time Delays and External Noises. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 750-758	7.3	94
387	Neural-network-based robust optimal control design for a class of uncertain nonlinear systems via adaptive dynamic programming. <i>Information Sciences</i> , 2014 , 282, 167-179	7.7	94
386	A Novel Iterative θ -Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 1176-1190	4.9	93
385	Action dependent heuristic dynamic programming for home energy resource scheduling. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 48, 148-160	5.1	93
384	Neural-network-based online optimal control for uncertain non-linear continuous-time systems with control constraints. <i>IET Control Theory and Applications</i> , 2013 , 7, 2037-2047	2.5	91
383	Robust Exponential Stability of Recurrent Neural Networks With Multiple Time-Varying Delays. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007 , 54, 730-734		91
382	Neural-network-observer-based optimal control for unknown nonlinear systems using adaptive dynamic programming. <i>International Journal of Control</i> , 2013 , 86, 1554-1566	1.5	90
381	Global Asymptotic Stability and Robust Stability of a Class of Cohen-Grossberg Neural Networks With Mixed Delays. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2009 , 56, 616-629	3.9	85
380	Mixed Iterative Adaptive Dynamic Programming for Optimal Battery Energy Control in Smart Residential Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4110-4120	8.9	84
379	Policy Gradient Adaptive Dynamic Programming for Data-Based Optimal Control. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3341-3354	10.2	84
378	Multibattery Optimal Coordination Control for Home Energy Management Systems via Distributed Iterative Adaptive Dynamic Programming. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4203-4214	8.9	83
377	Optimal constrained self-learning battery sequential management in microgrid via adaptive dynamic programming. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2017 , 4, 168-176	7	79
376	Optimal control for discrete-time affine non-linear systems using general value iteration. <i>IET Control Theory and Applications</i> , 2012 , 6, 2725-2736	2.5	78

375	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Convergence Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 875-891	7.3	76
374	Event-Driven Adaptive Robust Control of Nonlinear Systems With Uncertainties Through NDP Strategy. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1358-1370	7.3	75
373	An iterative γ -optimal control scheme for a class of discrete-time nonlinear systems with unfixed initial state. <i>Neural Networks</i> , 2012 , 32, 236-44	9.1	75
372	A neural network method for detection of obstructive sleep apnea and narcolepsy based on pupil size and EEG. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 308-18		74
371	Reinforcement learning solution for HJB equation arising in constrained optimal control problem. <i>Neural Networks</i> , 2015 , 71, 150-8	9.1	70
370	Guaranteed cost neural tracking control for a class of uncertain nonlinear systems using adaptive dynamic programming. <i>Neurocomputing</i> , 2016 , 198, 80-90	5.4	69
369	Adaptive Dynamic Programming for Discrete-Time Zero-Sum Games. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 957-969	10.3	67
368	Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2932-2940	11.9	65
367	Optimal distributed synchronization control for continuous-time heterogeneous multi-agent differential graphical games. <i>Information Sciences</i> , 2015 , 317, 96-113	7.7	64
366	A self-learning scheme for residential energy system control and management. <i>Neural Computing and Applications</i> , 2013 , 22, 259-269	4.8	64
365	Event-Triggered Optimal Control With Performance Guarantees Using Adaptive Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 76-88	10.3	64
364	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 1473-1483	6.1	63
363	Adaptive γ -Learning for Data-Based Optimal Output Regulation With Experience Replay. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 3337-3348	10.2	62
362	Discrete-Time Optimal Control via Local Policy Iteration Adaptive Dynamic Programming. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3367-3379	10.2	62
361	Numerical adaptive learning control scheme for discrete-time non-linear systems. <i>IET Control Theory and Applications</i> , 2013 , 7, 1472-1486	2.5	61
360	Adaptive Dynamic Programming for Control: A Survey and Recent Advances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 142-160	7.3	61
359	Online approximate optimal control for affine non-linear systems with unknown internal dynamics using adaptive dynamic programming. <i>IET Control Theory and Applications</i> , 2014 , 8, 1676-1688	2.5	60
358	Neural-network-based optimal tracking control scheme for a class of unknown discrete-time nonlinear systems using iterative ADP algorithm. <i>Neurocomputing</i> , 2014 , 125, 46-56	5.4	60

357	. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1994 , 41, 295-307		60
356	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 1251-1255	5.9	60
355	Decentralized Control for Large-Scale Nonlinear Systems With Unknown Mismatched Interconnections via Policy Iteration. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1725-1735	7.3	59
354	Adaptive optimal control for a class of continuous-time affine nonlinear systems with unknown internal dynamics. <i>Neural Computing and Applications</i> , 2013 , 23, 1843-1850	4.8	57
353	Adaptive Dynamic Programming Algorithm for Renewable Energy Scheduling and Battery Management. <i>Cognitive Computation</i> , 2013 , 5, 264-277	4.4	57
352	Neural-network-based adaptive optimal tracking control scheme for discrete-time nonlinear systems with approximation errors. <i>Neurocomputing</i> , 2015 , 149, 106-115	5.4	56
351	On Mixed Data and Event Driven Design for Adaptive-Critic-Based Nonlinear H_{∞} Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 993-1005	10.3	56
350	Energy consumption prediction of office buildings based on echo state networks. <i>Neurocomputing</i> , 2016 , 216, 478-488	5.4	56
349	Motif discoveries in unaligned molecular sequences using self-organizing neural networks. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 919-28		54
348	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	8.9	53
347	Neuro-optimal control for a class of unknown nonlinear dynamic systems using SN-DHP technique. <i>Neurocomputing</i> , 2013 , 121, 218-225	5.4	52
346	Event-Driven Nonlinear Discounted Optimal Regulation Involving a Power System Application. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8177-8186	8.9	51
345	Observer based adaptive dynamic programming for fault tolerant control of a class of nonlinear systems. <i>Information Sciences</i> , 2017 , 384, 21-33	7.7	50
344	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	7	50
343	Data-driven controller design for general MIMO nonlinear systems via virtual reference feedback tuning and neural networks. <i>Neurocomputing</i> , 2016 , 171, 815-825	5.4	50
342	Data-based controllability and observability analysis of linear discrete-time systems. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 2388-92		50
341	Learning and Guaranteed Cost Control With Event-Based Adaptive Critic Implementation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 6004-6014	10.3	49
340	Adaptive Constrained Optimal Control Design for Data-Based Nonlinear Discrete-Time Systems With Critic-Only Structure. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2099-2111	10.3	49

339	Data-based robust adaptive control for a class of unknown nonlinear constrained-input systems via integral reinforcement learning. <i>Information Sciences</i> , 2016 , 369, 731-747	7.7	49
338	Event-Triggered Decentralized Tracking Control of Modular Reconfigurable Robots Through Adaptive Dynamic Programming. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3054-3064	8.9	49
337	A supervised Actor-Critic approach for adaptive cruise control. <i>Soft Computing</i> , 2013 , 17, 2089-2099	3.5	48
336	Lyapunov stability of two-dimensional digital filters with overflow nonlinearities. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1998 , 45, 574-577		48
335	Two new operators in rough set theory with applications to fuzzy sets. <i>Information Sciences</i> , 2004 , 166, 147-165	7.7	48
334	Generalized Policy Iteration Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 1577-1591	7.3	47
333	Online approximate solution of HJI equation for unknown constrained-input nonlinear continuous-time systems. <i>Information Sciences</i> , 2016 , 328, 435-454	7.7	46
332	Improving the Critic Learning for Event-Based Nonlinear H_{∞} Control Design. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3417-3428	10.2	45
331	Error bounds of adaptive dynamic programming algorithms for solving undiscounted optimal control problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1323-34	10.3	43
330	Lie algebraic stability analysis for switched systems with continuous-time and discrete-time subsystems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 152-156		43
329	Discrete-time online learning control for a class of unknown nonaffine nonlinear systems using reinforcement learning. <i>Neural Networks</i> , 2014 , 55, 30-41	9.1	42
328	Neural Network Learning and Robust Stabilization of Nonlinear Systems With Dynamic Uncertainties. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1342-1351	10.3	41
327	Pinning synchronization of memristor-based neural networks with time-varying delays. <i>Neural Networks</i> , 2017 , 93, 143-151	9.1	39
326	Decentralized guaranteed cost control of interconnected systems with uncertainties: A learning-based optimal control strategy. <i>Neurocomputing</i> , 2016 , 214, 297-306	5.4	39
325	Event-based input-constrained nonlinear H_{∞} state feedback with adaptive critic and neural implementation. <i>Neurocomputing</i> , 2016 , 214, 848-856	5.4	38
324	. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 896-897		38
323	A constructive algorithm for feedforward neural networks with incremental training. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 1876-1879		38
322	Event-Triggered Optimal Neuro-Controller Design With Reinforcement Learning for Unknown Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1866-1878	7.3	38

321	Centralized and decentralized event-triggered control for group consensus with fixed topology in continuous time. <i>Neurocomputing</i> , 2015 , 161, 267-276	5-4	37
320	Data-based robust optimal control of continuous-time affine nonlinear systems with matched uncertainties. <i>Information Sciences</i> , 2016 , 366, 121-133	7-7	36
319	Neural-network-based decentralized control of continuous-time nonlinear interconnected systems with unknown dynamics. <i>Neurocomputing</i> , 2015 , 165, 90-98	5-4	35
318	Online fault compensation control based on policy iteration algorithm for a class of affine non-linear systems with actuator failures. <i>IET Control Theory and Applications</i> , 2016 , 10, 1816-1823	2-5	35
317	Event-Triggered Adaptive Critic Control Design for Discrete-Time Constrained Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3158-3168	7-3	35
316	Event-Triggered Adaptive Dynamic Programming for Zero-Sum Game of Partially Unknown Continuous-Time Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3189-3199	7-3	34
315	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4121-4129	8-9	33
314	Synthesis of fractional gaussian noise using linear approximation for generating self-similar network traffic. <i>Computer Communication Review</i> , 2000 , 30, 4-17	1-4	33
313	Global output convergence of a class of continuous-time recurrent neural networks with time-varying thresholds. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 161-167		32
312	Criteria for robust absolute stability of time-varying nonlinear continuous-time systems. <i>Automatica</i> , 2002 , 38, 627-637	5-7	32
311	Fault detection and control co-design for discrete-time delayed fuzzy networked control systems subject to quantization and multiple packet dropouts. <i>Fuzzy Sets and Systems</i> , 2017 , 306, 1-25	3-7	31
310	Wavelet basis function neural networks for sequential learning. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 523-8		31
309	Adaptive dynamic programming for robust neural control of unknown continuous-time non-linear systems. <i>IET Control Theory and Applications</i> , 2017 , 11, 2307-2316	2-5	30
308	Distributed control algorithm for bipartite consensus of the nonlinear time-delayed multi-agent systems with neural networks. <i>Neurocomputing</i> , 2016 , 174, 928-936	5-4	30
307	A novel policy iteration based deterministic Q-learning for discrete-time nonlinear systems. <i>Science China Information Sciences</i> , 2015 , 58, 1-15	3-4	30
306	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	2-3	29
305	Neural robust stabilization via event-triggering mechanism and adaptive learning technique. <i>Neural Networks</i> , 2018 , 102, 27-35	9-1	29
304	Neural network robust tracking control with adaptive critic framework for uncertain nonlinear systems. <i>Neural Networks</i> , 2018 , 97, 11-18	9-1	28

303	Dual Heuristic dynamic Programming for nonlinear discrete-time uncertain systems with state delay. <i>Neurocomputing</i> , 2014 , 134, 222-229	5.4	27
302	CHAOTIFYING FUZZY HYPERBOLIC MODEL USING ADAPTIVE INVERSE OPTIMAL CONTROL APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 3505-3517	2	27
301	A Data-Based State Feedback Control Method for a Class of Nonlinear Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 2284-2292	11.9	26
300	Residential energy system control and management using adaptive dynamic programming 2011 ,		26
299	Multi-Agent Based Adaptive Consensus Control for Multiple Manipulators with Kinematic Uncertainties 2008 ,		26
298	A neural-network-based iterative GDHP approach for solving a class of nonlinear optimal control problems with control constraints. <i>Neural Computing and Applications</i> , 2013 , 22, 219-227	4.8	25
297	Output Tracking Control Based on Adaptive Dynamic Programming With Multistep Policy Evaluation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 2155-2165	7.3	25
296	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	2.5	24
295	Stable iterative adaptive dynamic programming algorithm with approximation errors for discrete-time nonlinear systems. <i>Neural Computing and Applications</i> , 2014 , 24, 1355-1367	4.8	24
294	New robust stability results for bidirectional associative memory neural networks with multiple time delays. <i>Applied Mathematics and Computation</i> , 2012 , 218, 11472-11482	2.7	23
293	Cloning template design of cellular neural networks for associative memories. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1997 , 44, 646-650		23
292	Solving the N-bit parity problem using neural networks. <i>Neural Networks</i> , 1999 , 12, 1321-1323	9.1	23
291	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	5.4	22
290	Feature selection and feature learning for high-dimensional batch reinforcement learning: A survey. <i>International Journal of Automation and Computing</i> , 2015 , 12, 229-242	3.5	22
289	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 353-362	7.3	22
288	Discrete-Time Adaptive Dynamic Programming using Wavelet Basis Function Neural Networks 2007 ,		22
287	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	7.3	21
286	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	10.3	21

285	Adaptive near-optimal controllers for non-linear decentralised feedback stabilisation problems. <i>IET Control Theory and Applications</i> , 2017 , 11, 799-806	2.5	21
284	Reliable observer-based H _∞ control for discrete-time fuzzy systems with time-varying delays and stochastic actuator faults via scaled small gain theorem. <i>Neurocomputing</i> , 2015 , 147, 251-259	5.4	21
283	On the global output convergence of a class of recurrent neural networks with time-varying inputs. <i>Neural Networks</i> , 2005 , 18, 171-8	9.1	21
282	CHAOTIFYING FUZZY HYPERBOLIC MODEL USING IMPULSIVE AND NONLINEAR FEEDBACK CONTROL APPROACHES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 2603-2610	2	21
281	Nested auto-regressive processes for MPEG-encoded video traffic modeling. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2001 , 11, 169-183	6.4	21
280	Continuous-Time Time-Varying Policy Iteration. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4958-4971	10.2	21
279	A neural-network-based online optimal control approach for nonlinear robust decentralized stabilization. <i>Soft Computing</i> , 2016 , 20, 707-716	3.5	20
278	Stability analysis of systems with partial state saturation nonlinearities. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1996 , 43, 230-232		20
277	A novel optimal tracking control scheme for a class of discrete-time nonlinear systems using generalised policy iteration adaptive dynamic programming algorithm. <i>International Journal of Systems Science</i> , 2017 , 48, 525-534	2.3	19
276	Neuro-optimal tracking control for a class of discrete-time nonlinear systems via generalized value iteration adaptive dynamic programming approach. <i>Soft Computing</i> , 2016 , 20, 697-706	3.5	19
275	Consensus protocol for multi-agent continuous systems. <i>Chinese Physics B</i> , 2008 , 17, 3531-3535	1.2	19
274	Reinforcement Learning-Based Optimal Stabilization for Unknown Nonlinear Systems Subject to Inputs With Uncertain Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4330-4340	10.3	19
273	Multi-step heuristic dynamic programming for optimal control of nonlinear discrete-time systems. <i>Information Sciences</i> , 2017 , 411, 66-83	7.7	18
272	Policy Iteration Q-Learning for Data-Based Two-Player Zero-Sum Game of Linear Discrete-Time Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3630-3640	10.2	18
271	TNNLS Call for Reviewers and Special Issues. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1-6	10.3	18
270	Convergence analysis and application of fuzzy-HDP for nonlinear discrete-time HJB systems. <i>Neurocomputing</i> , 2015 , 149, 124-131	5.4	17
269	Robust synchronization of memristive neural networks with strong mismatch characteristics via pinning control. <i>Neurocomputing</i> , 2018 , 289, 144-154	5.4	17
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85	Chaotification of nonlinear systems described by the fuzzy hyperbolic model		1
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63	Optimal Feedback Control for Continuous-Time Systems via ADP. <i>Communications and Control Engineering</i> , 2013 , 223-255	0.6	0
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