

# Frank L Lewis

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

340  
papers

20,609  
citations

69  
h-index

138  
g-index

390  
ext. papers

26,911  
ext. citations

5.4  
avg, IF

7.73  
L-index

#	Paper	IF	Citations
340	A novel Z-function-based completely model-free reinforcement learning method to finite-horizon zero-sum game of nonlinear system. <i>Nonlinear Dynamics</i> , <b>2022</b> , 107, 2563	5	0
339	Homotopic policy iteration-based learning design for unknown linear continuous-time systems. <i>Automatica</i> , <b>2022</b> , 138, 110153	5.7	2
338	Game-Theoretic Lane-Changing Decision Making and Payoff Learning for Autonomous Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	2
337	Off-policy Q-learning: Solving Nash equilibrium of multi-player games with network-induced delay and unmeasured state. <i>Automatica</i> , <b>2022</b> , 136, 110076	5.7	3
336	Value iteration and adaptive optimal output regulation with assured convergence rate. <i>Control Engineering Practice</i> , <b>2022</b> , 121, 105042	3.9	9
335	A Three-Level Game-Theoretic Decision-Making Framework for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-11	6.1	0
334	Online Optimal Event-Triggered H $\infty$ Control for Nonlinear Systems With Constrained State and Input. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-11	7.3	1
333	Leader-Following Cluster Consensus as a Graphical Differential Game With a Nash Equilibrium Solution <b>2022</b> , 6, 2713-2718		0
332	Neuroadaptive Optimal Fixed-Time Synchronization and Its Circuit Realization for Unidirectionally Coupled FO Self-Sustained Electromechanical Seismograph Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
331	Robust Formation Control for Cooperative Underactuated Quadrotors via Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4577-4587	10.3	14
330	Off-Policy Reinforcement Learning for Tracking in Continuous-Time Systems on Two Time Scales. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4334-4346	10.3	2
329	Adaptive distributed synchronization of heterogeneous multi-Agent systems over directed graphs with time-Varying edge weights. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 2434-2452	4	3
328	Dynamical analysis and accelerated optimal stabilization of the fractional-order self-sustained electromechanical seismograph system with fuzzy wavelet neural network. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 1389-1404	5	7
327	On the Identifiability of the Influence Model for Stochastic Spatiotemporal Spread Processes. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 3876-3888	7.3	2
326	. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 18, 1109-1121	4.9	8
325	H $\infty$ Tracking Control for Linear Discrete-Time Systems: Model-Free Q-Learning Designs <b>2021</b> , 5, 175-180		7
324	Adaptive Tracking Control of Cooperative Robot Manipulators With Markovian Switched Couplings. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2427-2436	8.9	22

323	Robust Distributed Formation Controller Design for a Group of Unmanned Underwater Vehicles. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 1215-1223	7.3	23
322	Adaptive NN Distributed Control for Time-Varying Networks of Nonlinear Agents With Antagonistic Interactions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 2573-2583	10.3	6
321	Integral Reinforcement Learning-Based Multi-Robot Minimum Time-Energy Path Planning Subject to Collision Avoidance and Unknown Environmental Disturbances <b>2021</b> , 5, 983-988		8
320	Projection-Free Distributed Optimization With Nonconvex Local Objective Functions and Resource Allocation Constraint. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 8, 413-422	4	2
319	Positivity and Stability of Delayed Timescale-Type Differential-Difference Equations. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3221-3226	5.9	6
318	Robust Time-Varying Formation Control for Tail-Sitters in Flight Mode Transitions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 4102-4111	7.3	6
317	Discrete-Time Non-Zero-Sum Games With Completely Unknown Dynamics. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2929-2943	10.2	11
316	Virtual-Action-Based Coordinated Reinforcement Learning for Distributed Economic Dispatch. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	2
315	Fixed-Time Projection Algorithm for Distributed Constrained Optimization on Time-varying Digraphs. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	1
314	Directed Graph Clustering Algorithms, Topology, and Weak Links. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-15	7.3	1
313	Computational Intelligence in Uncertainty Quantification for Learning Control and Differential Games. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 385-418	0.8	
312	Robust Inverse Q-Learning for Continuous-Time Linear Systems in Adversarial Environments. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
311	Data-Driven Optimal Formation Control for Quadrotor Team With Unknown Dynamics. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	5
310	Inverse Reinforcement Learning in Tracking Control Based on Inverse Optimal Control. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	5
309	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12	6.1	2
308	Sequential Convex Programming for Collaboration of Connected and Automated Vehicles. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2021</b> , 1-1	5	0
307	A novel adaptive dynamic programming based on tracking error for nonlinear discrete-time systems. <i>Automatica</i> , <b>2021</b> , 129, 109687	5.7	10
306	Optimal game theoretic solution of the pursuit-evasion intercept problem using on-policy reinforcement learning. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 7886	3.6	2

305	Statistical Properties and Airspace Capacity for Unmanned Aerial Vehicle Networks Subject to Sense-and-Avoid Safety Protocols. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 5890-5903 <sup>1</sup>	6.1	1
304	. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1919-1930	5.4	0
303	Positivity and stability of coupled differential-difference equations with time-varying delay on time scales. <i>Automatica</i> , <b>2021</b> , 131, 109774	5.7	0
302	Differential Graphical Game With Distributed Global Nash Solution. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 8, 1371-1382	4	2
301	Static Output-Feedback Control Design Procedures for Continuous-Time Systems With Different Levels of Model Knowledge. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
300	HEBased Minimal Energy Adaptive Control With Preset Convergence Rate. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
299	Data-Driven Fault-Tolerant Control for Attitude Synchronization of Nonlinear Quadrotors. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	11
298	Distributed Resilient Secondary Control of DC Microgrids Against Unbounded Attacks. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 3850-3859	10.7	24
297	Heterogeneous formation control of multiple UAVs with limited-input leader via reinforcement learning. <i>Neurocomputing</i> , <b>2020</b> , 412, 63-71	5.4	9
296	Robust Time-Varying Formation Control for a Set of Quad-Copters With Switching Interaction Communication Topology. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 6880-6890	6.8	7
295	Robust Formation Tracking Control for Multiple Quadrotors Subject to Switching Topologies. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 1319-1329	4	19
294	Resilient Networked AC Microgrids Under Unbounded Cyber Attacks. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 3785-3794	10.7	21
293	Assistive Power Buffer Control via Adaptive Dynamic Programming. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1534-1546	5.4	3
292	Off-policy learning for adaptive optimal output synchronization of heterogeneous multi-agent systems. <i>Automatica</i> , <b>2020</b> , 119, 109081	5.7	19
291	Adaptive Optimal Control for Stochastic Multiplayer Differential Games Using On-Policy and Off-Policy Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 5522-5533	10.3	7
290	Adaptive backstepping optimal control of a fractional-order chaotic magnetic-field electromechanical transducer. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 523-540	5	18
289	Global Social Cost Minimization With Possibly Nonconvex Objective Functions: An Extremum Seeking-Based Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-10	7.3	2
288	A Distributed Continuous-Time Algorithm for Nonsmooth Constrained Optimization. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4914-4921	5.9	3

287	Online model-free reinforcement learning for the automatic control of a flexible wing aircraft. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 73-84	2.5	4
286	Nonlinear Stochastic Estimators on the Special Euclidean Group SE(3) Using Uncertain IMU and Vision Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-14	7.3	9
285	Accelerated Adaptive Fuzzy Optimal Control of Three Coupled Fractional-Order Chaotic Electromechanical Transducers. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	12
284	Adaptive Interleaved Reinforcement Learning: Robust Stability of Affine Nonlinear Systems With Unknown Uncertainty. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , PP,	10.3	10
283	Off-Policy Q-Learning for Anti-Interference Control of Multi-Player Systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 9189-9194	0.7	0
282	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 4033-4042	7.3	6
281	Model-Free Online Neuroadaptive Controller With Intent Estimation for Physical HumanRobot Interaction. <i>IEEE Transactions on Robotics</i> , <b>2020</b> , 36, 240-253	6.5	9
280	Robust Formation Trajectory Tracking Control for Multiple Quadrotors With Communication Delays. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 2633-2640	4.8	24
279	Robust Trajectory Tracking in Satellite Time-Varying Formation Flying. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	5
278	Nonzero-Sum Game Reinforcement Learning for Performance Optimization in Large-Scale Industrial Processes. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4132-4145	10.2	23
277	Learning and Uncertainty-Exploited Directional Antenna Control for Robust Long-Distance and Broad-Band Aerial Communication. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 593-606	6.8	8
276	A Framework of Multiagent Systems Behavioral Control Under State-Dependent Network Protocols. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 734-746	4	
275	Event-Driven Off-Policy Reinforcement Learning for Control of Interconnected Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	3
274	Stability and robustness analysis of minmax solutions for differential graphical games. <i>Automatica</i> , <b>2020</b> , 121, 109177	5.7	7
273	Cooperative adaptive optimal output regulation of nonlinear discrete-time multi-agent systems. <i>Automatica</i> , <b>2020</b> , 121, 109149	5.7	19
272	Editorial Special Issue on Adaptive Dynamic Programming and Reinforcement Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 3944-3947	7.3	0
271	Robust Formation Control for Multiple Quadrotors With Nonlinearities and Disturbances. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1362-1371	10.2	95
270	Optimal Output Regulation of Linear Discrete-Time Systems With Unknown Dynamics Using Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3147-3156	10.2	31

269	Resilient and Robust Synchronization of Multiagent Systems Under Attacks on Sensors and Actuators. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1240-1250	10.2	29
268	Discrete-Time Impulsive Adaptive Dynamic Programming. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4293-4306	10.2	19
267	New Methods for Optimal Operational Control of Industrial Processes Using Reinforcement Learning on Two Time Scales. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 3085-3099	11.9	12
266	H Static Output-Feedback Control Design for Discrete-Time Systems Using Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 396-406	10.3	9
265	Lagrange Stability and Finite-Time Stabilization of Fuzzy Memristive Neural Networks With Hybrid Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2959-2970	10.2	41
264	Robust Optimal Control for Disturbed Nonlinear Zero-Sum Differential Games Based on Single NN and Least Squares. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 4009-4019	7.3	24
263	Resilient Output Containment of Heterogeneous Cooperative and Adversarial Multigroup Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3104-3111	5.9	7
262	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 1028-1039	4	2
261	Robust Fault-Tolerant Formation Control for Tail-Sitters in Aggressive Flight Mode Transitions. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 299-308	11.9	20
260	Solutions for Multiagent Pursuit-Evasion Games on Communication Graphs: Finite-Time Capture and Asymptotic Behaviors. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 1911-1923	5.9	11
259	Adaptive Optimal Decision in Multi-Agent Random Switching Systems <b>2020</b> , 4, 265-270		5
258	Robust Visual Servoing Control for Ground Target Tracking of Quadrotors. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 1980-1987	4.8	18
257	Distributed Kalman Consensus Filter for Estimation With Moving Targets. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	3
256	Optimal Synchronization of Unidirectionally Coupled FO Chaotic Electromechanical Devices With the Hierarchical Neural Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , PP,	10.3	3
255	Robust trajectory tracking control for unmanned tail-sitters in aggressive flight mode transitions. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 4270-4284	3.6	3
254	Reinforcement Learning-Based Adaptive Optimal Exponential Tracking Control of Linear Systems With Unknown Dynamics. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4423-4438	5.9	63
253	A Unified Strategy for Solution Seeking in Graphical $\$N\$$ -Coalition Noncooperative Games. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4645-4652	5.9	28
252	Robust formation tracking control for multiple quadrotors under aggressive maneuvers. <i>Automatica</i> , <b>2019</b> , 105, 179-185	5.7	48

251	Editorial for the Special Issue on Learning-based Adaptive Control: Theory and Applications. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 225-227	2.8	3
250	Containment Control for Multiagent Systems Under Two Intermittent Control Schemes. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1236-1243	5.9	30
249	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2019</b> , 6, 537-548	4	36
248	Exponential Stabilization of Fuzzy Memristive Neural Networks With Hybrid Unbounded Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 739-750	10.3	43
247	Dual-Rate Operational Optimal Control for Flotation Industrial Process With Unknown Operational Model. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4587-4599	8.9	39
246	Trajectory Regulating Model Reference Adaptive Controller for Robotic Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 2749-2756	4.8	13
245	Robust adaptive trajectory tracking control of underactuated autonomous underwater vehicles with prescribed performance. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 4629-4643	3.6	31
244	Robust formation flying control for a team of satellites subject to nonlinearities and uncertainties. <i>Aerospace Science and Technology</i> , <b>2019</b> , 95, 105455	4.9	15
243	Attitude Synchronization for Multiple Quadrotors using Reinforcement Learning* <b>2019</b> ,		6
242	On the Identifiability of the Influence Model for Stochastic Spatiotemporal Spread Processes <b>2019</b> ,		1
241	Operational Control of Mineral Grinding Processes Using Adaptive Dynamic Programming and Reference Governor. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 2210-2221	11.9	20
240	Fully Distributed Resilience for Adaptive Exponential Synchronization of Heterogeneous Multiagent Systems Against Actuator Faults. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 3347-3354	5.9	31
239	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2019</b> , 55, 2023-2035	3.7	23
238	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 2067-2078	8.3	20
237	Resilient Cooperative Control of DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1083-1085	10.7	47
236	Multistability of Delayed Hybrid Impulsive Neural Networks With Application to Associative Memories. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1537-1551	10.3	40
235	Off-Policy Interleaved Q -Learning: Optimal Control for Affine Nonlinear Discrete-Time Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1308-1320	10.3	52
234	Dynamic Multiobjective Control for Continuous-Time Systems Using Reinforcement Learning. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 2869-2874	5.9	14

233	Output-feedback H <sub>∞</sub> quadratic tracking control of linear systems using reinforcement learning. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 300-314	2.8	14
232	Neuro-adaptive cooperative tracking control with prescribed performance of unknown higher-order nonlinear multi-agent systems. <i>International Journal of Control</i> , <b>2019</b> , 92, 445-460	1.5	36
231	Adaptive Compensation for Nonlinear Time-Varying Multiagent Systems With Actuator Failures and Unknown Control Directions. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1780-1790	10.2	19
230	Data-Driven Flotation Industrial Process Operational Optimal Control Based on Reinforcement Learning. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 1974-1989	11.9	73
229	Leader-to-Formation Stability of Multiagent Systems: An Adaptive Optimal Control Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3581-3587	5.9	59
228	Distributed containment control for nonlinear multiagent systems in pure-feedback form. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2742-2758	3.6	18
227	Optimal and Autonomous Control Using Reinforcement Learning: A Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 2042-2062	10.3	259
226	Event-Based Time-Interval Pinning Control for Complex Networks on Time Scales and Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 8797-8808	8.9	30
225	Adaptive Output Formation-Tracking of Heterogeneous Multi-Agent Systems Using Time-Varying $L_2$ -Gain Design <b>2018</b> , 2, 236-241		23
224	Adaptive output containment control of heterogeneous multi-agent systems with unknown leaders. <i>Automatica</i> , <b>2018</b> , 92, 235-239	5.7	48
223	Tracking Control for Linear Discrete-Time Networked Control Systems With Unknown Dynamics and Dropout. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 4607-4620	10.3	43
222	Optimal Robust Output Containment of Unknown Heterogeneous Multiagent System Using Off-Policy Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 3197-3207	10.2	37
221	Distributed Noise-Resilient Networked Synchrony of Active Distribution Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 836-846	10.7	25
220	Actor-Critic Off-Policy Learning for Optimal Control of Multiple-Model Discrete-Time Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 29-40	10.2	24
219	Discrete-Time Local Value Iteration Adaptive Dynamic Programming: Convergence Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 875-891	7.3	76
218	. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 117-131	5.9	54
217	Neuro-Adaptive Distributed Control With Prescribed Performance for the Synchronization of Unknown Nonlinear Networked Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 2135-2144	7.3	31
216	Synchrony in Networked Microgrids Under Attacks. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6731-6741	10.7	51



215	Cluster consensus of heterogeneous linear multi-agent systems. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 1533-1542	2.5	11
214	Nash equilibrium seeking for N-coalition noncooperative games. <i>Automatica</i> , <b>2018</b> , 95, 266-272	5.7	42
213	Action Dependent Dual Heuristic Programming Solution for the Dynamic Graphical Games <b>2018</b> ,		2
212	Model-Free Linear Discrete-Time System H <sub>∞</sub> Control Using Input-Output Data <b>2018</b> ,		1
211	Model-Free Gradient-Based Adaptive Learning Controller for an Unmanned Flexible Wing Aircraft. <i>Robotics</i> , <b>2018</b> , 7, 66	2.8	10
210	Adaptive Asymptotic Neural Network Control of Nonlinear Systems With Unknown Actuator Quantization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 6303-6312	10.3	19
209	Bipartite output synchronization of heterogeneous multiagent systems on signed digraphs. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 4017-4031	3.6	13
208	Static output-feedback synchronisation of multi-agent systems: a secure and unified approach. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 1095-1106	2.5	7
207	Adaptive Admittance Control for HumanRobot Interaction Using Model Reference Design and Adaptive Inverse Filtering. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 278-285	4.8	54
206	Distributed Fault-Tolerant Control of Networked Uncertain Euler-Lagrange Systems Under Actuator Faults. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1706-1718	10.2	52
205	Discrete-Time Deterministic Q <sup>2</sup> -Learning: A Novel Convergence Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1224-1237	10.2	115
204	Mixed Iterative Adaptive Dynamic Programming for Optimal Battery Energy Control in Smart Residential Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4110-4120	8.9	84
203	Output Containment Control of Linear Heterogeneous Multi-Agent Systems Using Internal Model Principle. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2099-2109	10.2	79
202	Distributed information-weighted Kalman consensus filter for sensor networks. <i>Automatica</i> , <b>2017</b> , 77, 18-30	5.7	74
201	H <sub>∞</sub> control of linear discrete-time systems: Off-policy reinforcement learning. <i>Automatica</i> , <b>2017</b> , 78, 144-152	5.7	94
200	Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2434-2445	10.3	82
199	. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 1396-1406	5.4	14
198	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 9527-9537	8.9	30

197	A Scalable Sampling Method to High-Dimensional Uncertainties for Optimal and Reinforcement Learning-Based Controls <b>2017</b> , 1, 98-103		14
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129	Optimal tracking control for linear discrete-time systems using reinforcement learning <b>2013</b> ,		14
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116	THE TRACKING PROBLEM AND OTHER LQR EXTENSIONS <b>2012</b> , 177-212		5
115	FINAL-TIME-FREE AND CONSTRAINED INPUT CONTROL <b>2012</b> , 213-259		2
114	Appendix A: Review of Matrix Algebra <b>2012</b> , 518-526		
113	STATIC OPTIMIZATION <b>2012</b> , 1-18		
112	OPTIMAL CONTROL FOR POLYNOMIAL SYSTEMS <b>2012</b> , 287-296		3
111	OUTPUT FEEDBACK AND STRUCTURED CONTROL <b>2012</b> , 297-354		1
110	ROBUSTNESS AND MULTIVARIABLE FREQUENCY-DOMAIN TECHNIQUES <b>2012</b> , 355-437		
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90	Non-zero sum games: Online learning solution of coupled Hamilton-Jacobi and coupled Riccati equations <b>2011</b> ,		5

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88	Online adaptive learning of optimal control solutions using integral reinforcement learning <b>2011</b> ,		8
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85	Synchronization of unknown nonlinear networked systems via cooperative adaptive control <b>2010</b> ,		2
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83	Integral Reinforcement Learning for online computation of feedback Nash strategies of nonzero-sum differential games <b>2010</b> ,		35
82	Distributed observer, duality, and optimal regulator design for multi-agent systems <b>2010</b> ,		2
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16	Robust Practical Point Stabilization of a Nonholonomic Mobile Robot Using Neural Networks. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>1997</b> , 20, 295-317	2.9	19
15	Control of a nonholonomic mobile robot: Backstepping kinematics into dynamics <b>1997</b> , 14, 149		3
14	Multilayer neural-net robot controller with guaranteed tracking performance. <i>IEEE Transactions on Neural Networks</i> , <b>1996</b> , 7, 388-99		689
13	Neural net robot controller: Structure and stability proofs. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>1995</b> , 12, 277-299	2.9	18
12	Neural net robot controller with guaranteed tracking performance. <i>IEEE Transactions on Neural Networks</i> , <b>1995</b> , 6, 703-15		383
11	Digital tracker with output feedback: application to aircraft controls. <i>International Journal of Systems Science</i> , <b>1994</b> , 25, 2065-2077	2.3	1
10	Adaptive tuning of fuzzy logic identifier for unknown non-linear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1994</b> , 8, 573-586	2.8	14
9	Solution of nonlinear kinematics of a parallel-link constrained Stewart platform manipulator. <i>Circuits, Systems, and Signal Processing</i> , <b>1994</b> , 13, 167-183	2.2	7
8	Coupled and constrained sylvester equations in system design. <i>Circuits, Systems, and Signal Processing</i> , <b>1994</b> , 13, 663-694	2.2	16
7	Continuous robust controller guaranteeing ESL for second-order dynamical systems. <i>International Journal of Systems Science</i> , <b>1993</b> , 24, 2019-2031	2.3	1
6	A Systems Approach to Discrete Event Controller Design for Manufacturing Systems Control <b>1993</b> ,		3
5	Hybrid adaptive-robust control for a robot manipulator. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1992</b> , 6, 537-545	2.8	12
4	Walsh function analysis of linear and bilinear discrete time systems. <i>International Journal of Control</i> , <b>1991</b> , 53, 847-853	1.5	1
3	Stability analysis of a decentralized controller for a mobile robot. <i>Advanced Robotics</i> , <b>1991</b> , 6, 383-397	1.7	
2	Robot Manipulator Control		220
1	APPENDIX A: REVIEW OF MATRIX ALGEBRA 518-526		