

# Warren E Dixon

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4833118/warren-e-dixon-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

243  
papers

6,302  
citations

45  
h-index

71  
g-index

268  
ext. papers

7,971  
ext. citations

4.1  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
243	Lyapunov-Derived Control and Adaptive Update Laws for Inner and Outer Layer Weights of a Deep Neural Network <b>2022</b> , 6, 1855-1860		2
242	Exponential Stability With RISE Controllers <b>2022</b> , 6, 1592-1597		0
241	Lyapunov-Based Real-Time and Iterative Adjustment of Deep Neural Networks <b>2022</b> , 6, 193-198		2
240	Adaptive Control of Time-Varying Parameter Systems with Asymptotic Tracking. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	1
239	Position and cadence tracking of a motorized FES-cycle with an unknown time-varying input delay using saturated FES control. <i>Automatica</i> , <b>2022</b> , 139, 110176	5.7	2
238	Robust Cadence and Power Tracking on a Switched FES Cycle With an Unknown Electromechanical Delay. <i>IEEE Transactions on Control Systems Technology</i> , <b>2022</b> , 1-8	4.8	
237	Image Based State Estimation <b>2021</b> , 1-38		
236	Adaptive Visual Servo Control <b>2021</b> , 1-31		
235	Convergence rate estimates for the kernelized predictor corrector method for fractional order initial value problems. <i>Fractional Calculus and Applied Analysis</i> , <b>2021</b> , 24, 1879-1898	2.7	
234	Encouraging Volitional Pedaling in Functional Electrical Stimulation-Assisted Cycling Using Barrier Functions.. <i>Frontiers in Robotics and AI</i> , <b>2021</b> , 8, 742986	2.8	1
233	Aerodynamic and gravity gradient based attitude control for CubeSats in the presence of environmental and spacecraft uncertainties. <i>Acta Astronautica</i> , <b>2021</b> , 180, 439-450	2.9	5
232	FES Cycling and Closed-Loop Feedback Control for Rehabilitative HumanRobot Interaction. <i>Robotics</i> , <b>2021</b> , 10, 61	2.8	1
231	Adaptive Safety with Multiple Barrier Functions Using Integral Concurrent Learning <b>2021</b> ,		1
230	Adaptive control for differential drag-based rendezvous maneuvers with an unknown target. <i>Acta Astronautica</i> , <b>2021</b> , 181, 733-740	2.9	8
229	Shared control for switched motorized FES-cycling on a split-crank cycle accounting for muscle control input saturation. <i>Automatica</i> , <b>2021</b> , 123, 109294	5.7	1
228	Split-Crank Functional Electrical Stimulation Cycling: An Adapting Admitting Rehabilitation Robot. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 2153-2165	4.8	5
227	Event/Self-Triggered Approximate Leader-Follower Consensus with Resilience to Byzantine Adversaries. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	3

226	Real-Time Modular Deep Neural Network-Based Adaptive Control of Nonlinear Systems <b>2021</b> , 1-1		2
225	Mixed Density Methods for Approximate Dynamic Programming. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 139-172	0.8	1
224	Lyapunov-Based Control of a Nonlinear Multi-Agent System with a Time-Varying Input Delay under False-Data-Injection Attacks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	4
223	A Switched Lyapunov-Passivity Approach to Motorized FES Cycling Using Adaptive Admittance Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-15	4.8	1
222	Electromechanical delay during functional electrical stimulation induced cycling is a function of lower limb position. <i>Disability and Rehabilitation: Assistive Technology</i> , <b>2021</b> , 1-6	1.8	
221	CubeSat Adaptive Attitude Control with Uncertain Drag Coefficient and Atmospheric Density. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2021</b> , 44, 379-388	2.1	2
220	A Topologically Inspired Path-Following Method With Intermittent State Feedback. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 4449-4456	4.2	
219	Event-Triggered Formation Control and Leader Tracking With Resilience to Byzantine Adversaries: A Reputation-Based Approach. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 8, 1417-1429	4	4
218	Simultaneous Estimation of Euclidean Distances to a Stationary Object's Features and the Euclidean Trajectory of a Monocular Camera. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4252-4258	5.9	
217	Approximate optimal influence over an agent through an uncertain interaction dynamic. <i>Automatica</i> , <b>2021</b> , 134, 109913	5.7	0
216	Robust Cadence Tracking for Switched FES-Cycling With an Unknown Time-Varying Input Delay. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-8	4.8	3
215	On reduction of differential inclusions and Lyapunov stability. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2020</b> , 26, 24	1	3
214	Differential drag-based multiple spacecraft maneuvering and on-line parameter estimation using integral concurrent learning. <i>Acta Astronautica</i> , <b>2020</b> , 174, 189-203	2.9	8
213	Torque and cadence tracking in functional electrical stimulation induced cycling using passivity-based spatial repetitive learning control. <i>Automatica</i> , <b>2020</b> , 115, 108852	5.7	6
212	Swallow Motor Pattern Is Modulated by Fixed or Stochastic Alterations in Afferent Feedback. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 112	3.3	2
211	Data-based reinforcement learning approximate optimal control for an uncertain nonlinear system with control effectiveness faults. <i>Automatica</i> , <b>2020</b> , 116, 108922	5.7	3
210	Robust Power and Cadence Tracking on a Motorized FES Cycle with an Unknown Time-Varying Input Delay <b>2020</b> ,		5
209	Robust Cadence Tracking for Switched FES-Cycling with an Unknown Time-Varying Input Delay Using a Time-Varying Estimate. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 10123-10128	0.7	2

208	Zeroing Control Barrier Functions for Safe Volitional Pedaling in a Motorized Cycle. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 218-223	0.7	2
207	Saturated Control of a Switched FES-Cycle with an Unknown Time-Varying Input Delay. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 403-408	0.7	1
206	Admittance Control of a Teleoperated Motorized Functional Electrical Stimulation Rehabilitation Cycle. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 250-255	0.7	0
205	Intermittent Image-Based Estimation <b>2020</b> , 1-4		
204	Target Tracking in the Presence of Intermittent Measurements by a Network of Mobile Cameras <b>2020</b> ,		1
203	Path Following with Stable and Unstable Modes Subject to Time-Varying Dwell-Time Conditions. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 6440-6445	0.7	
202	Approximate Optimal Motion Planning to Avoid Unknown Moving Avoidance Regions. <i>IEEE Transactions on Robotics</i> , <b>2020</b> , 36, 414-430	6.5	5
201	Detection and Mitigation of False Data Injection Attacks in Networked Control Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 4281-4292	11.9	42
200	Switched Control of Motor Assistance and Functional Electrical Stimulation for Biceps Curls. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8090	2.6	1
199	Reputation-Based Event-Triggered Formation Control and Leader Tracking with Resilience to Byzantine Adversaries <b>2020</b> ,		1
198	Characterization of the Time-Varying Nature of Electromechanical Delay During FES-Cycling. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 2236-2245	4.8	8
197	Global Exponential Tracking Control for an Autonomous Surface Vessel: An Integral Concurrent Learning Approach. <i>IEEE Journal of Oceanic Engineering</i> , <b>2020</b> , 45, 362-370	3.3	11
196	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 2276-2291	4.8	12
195	Closed-Loop Neuromuscular Electrical Stimulation Method Provides Robustness to Unknown Time-Varying Input Delay in Muscle Dynamics. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 2482-2489	4.8	5
194	FES Cycling in Stroke: Novel Closed-Loop Algorithm Accommodates Differences in Functional Impairments. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 738-749	5	7
193	Distributed Repetitive Learning Control for Cooperative Cadence Tracking in Functional Electrical Stimulation Cycling. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1084-1095	10.2	9
192	Sparse Learning-Based Approximate Dynamic Programming With Barrier Constraints <b>2020</b> , 4, 743-748		4
191	FES and Motor Assisted Cycling to Track Power and Cadence to Desired Voluntary Bounds. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 51, 34-39	0.7	3

190	Admittance Control of Motorized Functional Electrical Stimulation Cycle. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 51, 272-277	0.7	1
189	Extremum Seeking Control for Power Tracking via Functional Electrical Stimulation. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 51, 164-169	0.7	
188	Single-Agent Indirect Herding of Multiple Targets With Uncertain Dynamics. <i>IEEE Transactions on Robotics</i> , <b>2019</b> , 35, 847-860	6.5	11
187	Controlling the Cadence and Admittance of a Functional Electrical Stimulation Cycle. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 1181-1192	4.8	16
186	A Switched Systems Approach to Path Following With Intermittent State Feedback. <i>IEEE Transactions on Robotics</i> , <b>2019</b> , 35, 725-733	6.5	5
185	Passivity-Based Iterative Learning Control for Cycling Induced by Functional Electrical Stimulation With Electric Motor Assistance. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 2287-2294	4.8	11
184	Motorized and Functional Electrical Stimulation Induced Cycling via Switched Repetitive Learning Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 1468-1479	4.8	14
183	Invariance-Like Results for Nonautonomous Switched Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 614-627	5.9	19
182	Split-Crank Cadence Tracking for Switched Motorized FES-Cycling with Volitional Pedaling <b>2019</b> ,		4
181	Event-Triggered Approximate Leader-Follower Consensus with Resilience to Byzantine Adversaries <b>2019</b> ,		5
180	Cadence Tracking for Switched FES Cycling with Unknown Input Delay <b>2019</b> ,		7
179	Cycling With Functional Electrical Stimulation and Adaptive Neural Network Admittance Control <b>2019</b> ,		4
178	Controller Synthesis for Multi-Agent Systems With Intermittent Communication. A Metric Temporal Logic Approach <b>2019</b> ,		10
177	A Switched Systems Approach to Consensus of a Distributed Multi-agent System with Intermittent Communication <b>2019</b> ,		4
176	Spacecraft Attitude Regulation in Low Earth Orbit Using Natural Torques <b>2019</b> ,		1
175	Distributed Connectivity Preserving Target Tracking With Random Sensing. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 2166-2173	5.9	7
174	The State Following Approximation Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 1716-1730	10.3	6
173	Integral concurrent learning: Adaptive control with parameter convergence using finite excitation. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1775-1787	2.8	37

172	Closed-Loop Position and Cadence Tracking Control for FES-Cycling Exploiting Pedal Force Direction With Antagonistic Biarticular Muscles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 730-742	4.8	9
171	A Switched Systems Approach to Image-Based Localization of Targets That Temporarily Leave the Camera Field of View. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 2149-2156	4.8	11
170	Single Agent Indirect Herding of Multiple Targets: A Switched Adaptive Control Approach <b>2018</b> , 2, 127-132		11
169	Influence of Elbow Flexion and Stimulation Site on Neuromuscular Electrical Stimulation of the Biceps Brachii. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 904-910	4.8	7
168	The Mittag Leffler reproducing kernel Hilbert spaces of entire and analytic functions. <i>Journal of Mathematical Analysis and Applications</i> , <b>2018</b> , 463, 576-592	1.1	7
167	Approximate Dynamic Programming: Combining Regional and Local State Following Approximations. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 2154-2166	10.3	12
166	Distributed Coordination of Multiple Unknown Euler-Lagrange Systems. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 55-66	4	42
165	Decentralized Synchronization of Uncertain Nonlinear Systems With a Reputation Algorithm. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 434-445	4	7
164	Synchronization of Uncertain Euler-Lagrange Systems With Uncertain Time-Varying Communication Delays. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 807-817	10.2	32
163	Model-Based Reinforcement Learning in Differential Graphical Games. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 423-433	4	19
162	A Switched Systems Framework for Path Following With Intermittent State Feedback <b>2018</b> , 2, 749-754		5
161	. <i>IEEE Transactions on Robotics</i> , <b>2018</b> , 34, 486-496	6.5	12
160	Optimal Control. <i>Communications and Control Engineering</i> , <b>2018</b> , 1-16	0.6	
159	Approximate Dynamic Programming. <i>Communications and Control Engineering</i> , <b>2018</b> , 17-42	0.6	
158	Model-Based Reinforcement Learning for Approximate Optimal Control. <i>Communications and Control Engineering</i> , <b>2018</b> , 99-148	0.6	1
157	Excitation-Based Online Approximate Optimal Control. <i>Communications and Control Engineering</i> , <b>2018</b> , 43-98	0.6	
156	Differential Graphical Games. <i>Communications and Control Engineering</i> , <b>2018</b> , 149-193	0.6	0
155	Cadence Tracking for Switched FES Cycling Combined with Voluntary Pedaling and Motor Resistance <b>2018</b> ,		5

154	Passivity-Based Learning Control for Torque and Cadence Tracking in Functional Electrical Stimulation (FES) Induced Cycling <b>2018</b> ,		11
153	Velocity and Path Reconstruction of a Moving Object Using a Moving Camera <b>2018</b> ,		3
152	Data-Based Reinforcement Learning Approximate Optimal Control for an Uncertain Nonlinear System with Partial Loss of Control Effectiveness <b>2018</b> ,		4
151	Online Approximate Optimal Path-Planner in the Presence of Mobile Avoidance Regions <b>2018</b> ,		1
150	Target Tracking in the Presence of Intermittent Measurements via Motion Model Learning. <i>IEEE Transactions on Robotics</i> , <b>2018</b> , 34, 805-819	6.5	16
149	Cadence and Admittance Control of a Motorized Functional Electrical Stimulation Cycle <b>2018</b> ,		5
148	Single Agent Indirect Herding via Approximate Dynamic Programming <b>2018</b> ,		5
147	Stable Cadence Tracking of Admitting Functional Electrical Stimulation Cycle <b>2018</b> ,		2
146	. <i>IEEE Control Systems</i> , <b>2018</b> , 38, 32-34	2.9	
145	Admittance Trajectory Tracking using a Challenge-Based Rehabilitation Robot with Functional Electrical Stimulation <b>2018</b> ,		3
144	Reinforcement Learning for Optimal Feedback Control. <i>Communications and Control Engineering</i> , <b>2018</b> ,	0.6	39
143	. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2017</b> , 14, 1225-1234	4.9	46
142	Model-Based Reinforcement Learning for Infinite-Horizon Approximate Optimal Tracking. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 753-758	10.3	67
141	Switched Tracking Control of the Lower Limb During Asynchronous Neuromuscular Electrical Stimulation: Theory and Experiments. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1251-1262	10.2	24
140	Concurrent Learning for Parameter Estimation Using Dynamic State-Derivative Estimators. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3594-3601	5.9	65
139	Event-Triggered Control of Multiagent Systems for Fixed and Time-Varying Network Topologies. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5365-5371	5.9	124
138	Decentralized Rendezvous of Nonholonomic Robots With Sensing and Connectivity Constraints. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	12
137	Unknown time-varying input delay compensation for uncertain nonlinear systems. <i>Automatica</i> , <b>2017</b> , 76, 222-229	5.7	61

136	A Switched Systems Framework for Guaranteed Convergence of Image-Based Observers With Intermittent Measurements. <i>IEEE Transactions on Robotics</i> , <b>2017</b> , 33, 266-280	6.5	18
135	The Time-Varying Nature of Electromechanical Delay and Muscle Control Effectiveness in Response to Stimulation-Induced Fatigue. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2017</b> , 25, 1397-1408	4.8	33
134	Motorized functional electrical stimulation for torque and cadence tracking: A switched Lyapunov approach <b>2017</b> ,		13
133	Switched motorized assistance during switched functional electrical stimulation of the biceps brachii to compensate for fatigue <b>2017</b> ,		1
132	Single scene and path reconstruction with a monocular camera using integral concurrent learning <b>2017</b> ,		6
131	A Switched Systems Approach Based on Changing Muscle Geometry of the Biceps Brachii During Functional Electrical Stimulation <b>2017</b> , 1-1		2
130	A switched systems approach to vision-based tracking control of wheeled mobile robots <b>2017</b> ,		3
129	A Non-Linear Control Method to Compensate for Muscle Fatigue during Neuromuscular Electrical Stimulation. <i>Frontiers in Robotics and AI</i> , <b>2017</b> , 4,	2.8	18
128	Time-Varying Input and State Delay Compensation for Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 834-839	5.9	69
127	Compensating for uncertain time-varying delayed muscle response in isometric neuromuscular electrical stimulation control <b>2016</b> ,		8
126	Coverage control based effective jamming strategy for wireless networks <b>2016</b> ,		3
125	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 971-978	4.8	25
124	Identification-Based Closed-Loop NMES Limb Tracking With Amplitude-Modulated Control Input. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1679-90	10.2	10
123	Model-based reinforcement learning for approximate optimal regulation. <i>Automatica</i> , <b>2016</b> , 64, 94-104	5.7	105
122	Leader-follower containment control over directed random graphs. <i>Automatica</i> , <b>2016</b> , 66, 56-62	5.7	43
121	Switched Control of Cadence During Stationary Cycling Induced by Functional Electrical Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2016</b> , 24, 1373-1383	4.8	27
120	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1174-1183	4.8	31
119	Robust containment control in a leader-follower network of uncertain Euler-Lagrange systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 3791-3805	3.6	22



118	Compensating for changing muscle geometry of the biceps brachii during neuromuscular electrical stimulation: A switched systems approach <b>2016</b> ,		2
117	Adaptive control of a surface marine craft with parameter identification using integral concurrent learning <b>2016</b> ,		7
116	Functional electrical stimulation induced cycling using repetitive learning control <b>2016</b> ,		4
115	Follower distribution algorithms for leader-follower networks <b>2016</b> ,		1
114	Adaptive boundary control of store induced oscillations in a flexible aircraft wing. <i>Automatica</i> , <b>2016</b> , 70, 230-238	5.7	24
113	Efficient model-based reinforcement learning for approximate online optimal control. <i>Automatica</i> , <b>2016</b> , 74, 247-258	5.7	38
112	Autonomy and machine intelligence in complex systems: A tutorial <b>2015</b> ,		21
111	Asymptotic Synchronization of a Leader-Follower Network of Uncertain Euler-Lagrange Systems. <i>IEEE Transactions on Control of Network Systems</i> , <b>2015</b> , 2, 174-182	4	54
110	Containment control for a social network with state-dependent connectivity. <i>Automatica</i> , <b>2015</b> , 56, 86-93.	3.7	29
109	<b>2015</b> ,		7
108	Comparing the Induced Muscle Fatigue Between Asynchronous and Synchronous Electrical Stimulation in Able-Bodied and Spinal Cord Injured Populations. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2015</b> , 23, 964-72	4.8	43
107	A switched systems approach to vision-based localization of a target with intermittent measurements <b>2015</b> ,		2
106	Synchronization of uncertain Euler-Lagrange systems with unknown time-varying communication delays <b>2015</b> ,		7
105	Decentralized event-triggered control of networked systems-part 2: Containment control <b>2015</b> ,		12
104	Decentralized event-triggered control of networked systems-part 1: Leader-follower consensus under switching topologies <b>2015</b> ,		8
103	Graph Matching-Based Formation Reconfiguration of Networked Agents With Connectivity Maintenance. <i>IEEE Transactions on Control of Network Systems</i> , <b>2015</b> , 2, 24-35	4	18
102	Approximate optimal trajectory tracking for continuous-time nonlinear systems. <i>Automatica</i> , <b>2015</b> , 51, 40-48	5.7	105
101	Approximate N-Player Nonzero-Sum Game Solution for an Uncertain Continuous Nonlinear System. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1645-58	10.3	47

100	FES knee bending and stretching system with RISE-based tracking control for human limb <b>2015</b> ,		1
99	State following (StaF) kernel functions for function approximation part II: Adaptive dynamic programming <b>2015</b> ,		7
98	State following (StaF) kernel functions for function approximation Part I: Theory and motivation <b>2015</b> ,		8
97	Homography based visual servo control with scene reconstruction <b>2015</b> ,		8
96	Unknown time-varying input delay compensation for neuromuscular electrical stimulation <b>2015</b> ,		12
95	Approximate optimal online continuous-time path-planner with static obstacle avoidance <b>2015</b> ,		6
94	Closed-Loop Asynchronous Neuromuscular Electrical Stimulation Prolongs Functional Movements in the Lower Body. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2015</b> , 23, 1117-27 <sup>4.8</sup>		31
93	Saturated RISE Feedback Control for a Class of Second-Order Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 1094-1099	5.9	52
92	. <i>IEEE Transactions on Robotics</i> , <b>2014</b> , 30, 845-852	6.5	130
91	Concurrent learning-based approximate feedback-Nash equilibrium solution of N-player nonzero-sum differential games. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2014</b> , 1, 239-247	7	47
90	Model-based reinforcement learning for infinite-horizon approximate optimal tracking <b>2014</b> ,		8
89	A switched systems approach to image-based localization of targets that temporarily leave the field of view <b>2014</b> ,		3
88	Decentralized event-triggered control for leader-follower consensus <b>2014</b> ,		10
87	Power Control for Cellular Communications with Time-Varying Channel Uncertainties. <i>Asian Journal of Control</i> , <b>2014</b> , 16, 1459-1469	1.7	
86	Comparing the force ripple during asynchronous and conventional stimulation. <i>Muscle and Nerve</i> , <b>2014</b> , 50, 549-55	3.4	10
85	Online approximate optimal path-following for a mobile robot <b>2014</b> ,		8
84	Saturated control of an uncertain nonlinear system with input delay. <i>Automatica</i> , <b>2013</b> , 49, 1741-1747	5.7	61
83	Approximate optimal cooperative decentralized control for consensus in a topological network of agents with uncertain nonlinear dynamics <b>2013</b> ,		11

82	<b>2013,</b>		10
81	A novel actor-critic identifier architecture for approximate optimal control of uncertain nonlinear systems. <i>Automatica</i> , <b>2013</b> , 49, 82-92	5.7	283
80	Robust Identification-Based State Derivative Estimation for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 187-192	5.9	23
79	Graph Matching-Based Topology Reconfiguration Algorithm for Systems of Networked Autonomous Vehicles <b>2013,</b>		1
78	LaSalle-Yoshizawa Corollaries for Nonsmooth Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 2333-2338	5.9	117
77	Saturated RISE Tracking Control of Store-Induced Limit Cycle Oscillations <b>2013,</b>		2
76	Adaptive Inverse optimal neuromuscular electrical stimulation. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 1710-8	10.2	22
75	Concurrent learning-based approximate optimal regulation <b>2013,</b>		20
74	Adaptive RISE Feedback Control Strategies for Systems with Structured and Unstructured Uncertainties <b>2013,</b>		2
73	Optimizing Network Topology to Reduce Aggregate Traffic in Systems of Mobile Agents. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2013</b> , 129-149	0.2	
72	Real-Time Structure Estimation in Dynamic Scenes Using a Single Camera <b>2013,</b> 173-191		
71	Robust tracking control of an array of nanoparticles moving on a substrate. <i>Automatica</i> , <b>2012</b> , 48, 442-448	5.7	4
70	Globally exponentially stable observer for vision-based range estimation. <i>Mechatronics</i> , <b>2012</b> , 22, 381-389	3.9	41
69	Formation reconfiguration for mobile robots with network connectivity constraints. <i>IEEE Network</i> , <b>2012</b> , 26, 18-24	11.4	15
68	Network Connectivity Preserving Formation Stabilization and Obstacle Avoidance via a Decentralized Controller. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 1827-1832	5.9	89
67	Single Camera Structure and Motion. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 238-243	5.9	63
66	Closed-Loop Neural Network-Based NMES Control for Human Limb Tracking. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 712-725	4.8	57
65	Autonomous Flight of the Rotorcraft-Based UAV Using RISE Feedback and NN Feedforward Terms. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 1392-1399	4.8	46

64	Throughput maximization in CSMA networks with collisions <b>2012,</b>		2
63	Adaptive nonlinear contour coupling control for a machine tool system. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 61, 1057-1065	3.2	21
62	Experimental Results for Moving Object Structure Estimation Using an Unknown Input Observer Approach <b>2012,</b>		6
61	Camera motion estimation for 3-D structure reconstruction of moving objects <b>2012,</b>		8
60	New Startup Method Using Internal Momentum Management of Variable-Speed Control Moment Gyroscopes. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2012</b> , 35, 1472-1482	2.1	4
59	Keeping Multiple Moving Targets in the Field of View of a Mobile Camera. <i>IEEE Transactions on Robotics</i> , <b>2011</b> , 27, 822-828	6.5	34
58	Predictor-based compensation for electromechanical delay during neuromuscular electrical stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2011</b> , 19, 601-11	4.8	68
57	Predictor-based control for an uncertain Euler-Lagrange system with input delay. <i>Automatica</i> , <b>2011</b> , 47, 2332-2342	5.7	90
56	Asymptotic tracking by a reinforcement learning-based adaptive critic controller. <i>Journal of Control Theory and Applications</i> , <b>2011</b> , 9, 400-409		27
55	A novel modulation strategy to increase stimulation duration in neuromuscular electrical stimulation. <i>Muscle and Nerve</i> , <b>2011</b> , 44, 382-7	3.4	21
54	Modular Adaptive Control of Uncertain Euler-Lagrange Systems With Additive Disturbances. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 155-160	5.9	58
53	Asymptotic optimal control of uncertain nonlinear Euler-Lagrange systems. <i>Automatica</i> , <b>2011</b> , 47, 99-107	5.7	30
52	Structure estimation of a moving object using a moving camera: An unknown input observer approach <b>2011,</b>		17
51	Asymptotic attitude tracking of the rotorcraft-based UAV via RISE feedback and NN feedforward <b>2010,</b>		6
50	Nonlinear observer for structure estimation using a paracatadioptric camera <b>2010,</b>		2
49	Structure and motion estimation of a moving object using a moving camera <b>2010,</b>		17
48	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2010</b> , 46, 1064-1077	3.7	57
47	Lyapunov-Based Exponential Tracking Control of a Hypersonic Aircraft with Aerothermoelastic Effects. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2010</b> , 33, 1213-1224	2.1	106

46	Adaptive Homography-Based Visual Servo Tracking Control via a Quaternion Formulation. <i>IEEE Transactions on Control Systems Technology</i> , <b>2010</b> , 18, 128-135	4.8	37
45	Asymptotic Tracking for Aircraft via Robust and Adaptive Dynamic Inversion Methods. <i>IEEE Transactions on Control Systems Technology</i> , <b>2010</b> , 18, 1448-1456	4.8	33
44	Single Camera Structure and Motion Estimation. <i>Lecture Notes in Control and Information Sciences</i> , <b>2010</b> , 209-229	0.5	3
43	Globally exponentially convergent observer for vision-based range estimation <b>2010</b> ,		3
42	Composite Adaptation for Neural Network-Based Controllers. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 944-950	5.9	44
41	Composite adaptive control for Euler-Lagrange systems with additive disturbances. <i>Automatica</i> , <b>2010</b> , 46, 140-147	5.7	80
40	Quaternion-based visual servo control in the presence of camera calibration error. <i>International Journal of Robust and Nonlinear Control</i> , <b>2010</b> , 20, 489-503	3.6	22
39	Sensor Fusion Using Fuzzy Logic Enhanced Kalman Filter for Autonomous Vehicle Guidance in Citrus Groves. <i>Transactions of the ASABE</i> , <b>2009</b> , 52, 1411-1422	0.9	26
38	Nonlinear neuromuscular electrical stimulation tracking control of a human limb. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2009</b> , 17, 576-84	4.8	94
37	A hardware in the loop simulation platform for vision-based control of unmanned air vehicles. <i>Mechatronics</i> , <b>2009</b> , 19, 1043-1056	3	51
36	A Force Limiting Adaptive Controller for a Robotic System Undergoing a Noncontact-to-Contact Transition. <i>IEEE Transactions on Control Systems Technology</i> , <b>2009</b> , 17, 1330-1341	4.8	9
35	Homography-Based Visual Servo Control With Imperfect Camera Calibration. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1318-1324	5.9	61
34	Vision-based localization of a wheeled mobile robot for greenhouse applications: A daisy-chaining approach. <i>Computers and Electronics in Agriculture</i> , <b>2008</b> , 63, 28-37	6.5	27
33	Multi-Reference Visual Servo Control of an Unmanned Ground Vehicle <b>2008</b> ,		2
32	Adaptive Lyapunov-based control of a robot and mass-spring system undergoing an impact collision. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2008</b> , 38, 1050-61		30
31	Asymptotic Tracking for Uncertain Dynamic Systems Via a Multilayer Neural Network Feedforward and RISE Feedback Control Structure. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 2180-2185	5.9	152
30	Adaptive satellite attitude control in the presence of inertia and CMG gimbal friction uncertainties. <i>Journal of the Astronautical Sciences</i> , <b>2008</b> , 56, 121-134	1.1	25
29	Euclidean Calculation of Feature Points of a Rotating Satellite: A Daisy-Chaining Approach. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2008</b> , 31, 954-961	2.1	8

28	. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 1775-1781	5.9	32
27	Comparing the force- and excursion- frequency relationships in human skeletal muscle. <i>Muscle and Nerve</i> , <b>2008</b> , 38, 1627-9	3.4	6
26	Impact of varying pulse frequency and duration on muscle torque production and fatigue. <i>Muscle and Nerve</i> , <b>2007</b> , 35, 504-9	3.4	107
25	Navigation function-based visual servo control. <i>Automatica</i> , <b>2007</b> , 43, 1165-1177	5.7	31
24	Range Identification in the Presence of Unknown Motion Parameters for Perspective Vision Systems. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	4
23	Adaptive Regulation of Amplitude Limited Robot Manipulators With Uncertain Kinematics and Dynamics. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 488-493	5.9	117
22	Energy-Based Nonlinear Control of Underactuated Euler-Lagrange Systems Subject to Impacts. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 1742-1748	5.9	42
21	. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 1988-1994	5.9	165
20	Extremum-seeking nonlinear controllers for a human exercise machine. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2006</b> , 11, 233-240	5.5	26
19	Homography-based visual servo regulation of mobile robots. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2005</b> , 35, 1041-50		139
18	Adaptive homography-based visual servo tracking for a fixed camera configuration with a camera-in-hand extension. <i>IEEE Transactions on Control Systems Technology</i> , <b>2005</b> , 13, 814-825	4.8	53
17	Identification of a moving object's velocity with a fixed camera. <i>Automatica</i> , <b>2005</b> , 41, 553-562	5.7	45
16	Adaptive position and orientation regulation for the camera-in-hand problem. <i>Journal of Field Robotics</i> , <b>2005</b> , 22, 457-473		5
15	Adaptive tracking and regulation of a wheeled mobile robot with controller/update law modularity. <i>IEEE Transactions on Control Systems Technology</i> , <b>2004</b> , 12, 138-147	4.8	68
14	Global robust output feedback tracking control of robot manipulators. <i>Robotica</i> , <b>2004</b> , 22, 351-357	2.1	23
13	Range identification for perspective vision systems. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 2232-2238	5.9	94
12	Nonlinear coupling control laws for an underactuated overhead crane system. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2003</b> , 8, 418-423	5.5	216
11	Nonlinear Control of Engineering Systems <b>2003</b> ,		137

10	. <i>IEEE Transactions on Education</i> , <b>2002</b> , 45, 218-226	2.1	28
9	Tracking and regulation control of an underactuated surface vessel with nonintegrable dynamics. <i>IEEE Transactions on Automatic Control</i> , <b>2002</b> , 47, 495-500	5.9	152
8	Adaptive setpoint control of robotic manipulators with amplitude-limited control inputs. <i>Robotica</i> , <b>2000</b> , 18, 171-181	2.1	47
7	Global adaptive partial state feedback tracking control of rigid-link flexible-joint robots. <i>Robotica</i> , <b>2000</b> , 18, 325-336	2.1	31
6	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. <i>Automatica</i> , <b>2000</b> , 36, 1741-1746	5.7	47
5	Global adaptive output feedback tracking control of robot manipulators. <i>IEEE Transactions on Automatic Control</i> , <b>2000</b> , 45, 1203-1208	5.9	84
4	Fault detection for robot manipulators with parametric uncertainty: a prediction-error-based approach. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2000</b> , 16, 689-699		97
3	Tracking Control of Robot Manipulators with Bounded Torque Inputs. <i>Robotica</i> , <b>1999</b> , 17, 121-129	2.1	68
2	A composite adaptive output feedback tracking controller for robotic manipulators. <i>Robotica</i> , <b>1999</b> , 17, 591-600	2.1	19
1	Lyapunov-Based Control of Robotic Systems		21