

Warren E Dixon

List of Publications by Citations

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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.

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	A novel actor-critic identifier architecture for approximate optimal control of uncertain nonlinear systems. <i>Automatica</i> , 2013 , 49, 82-92	5.7	283
242	Nonlinear coupling control laws for an underactuated overhead crane system. <i>IEEE/ASME Transactions on Mechatronics</i> , 2003 , 8, 418-423	5.5	216
241	. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1988-1994	5.9	165
240	Asymptotic Tracking for Uncertain Dynamic Systems Via a Multilayer Neural Network Feedforward and RISE Feedback Control Structure. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2180-2185	5.9	152
239	Tracking and regulation control of an underactuated surface vessel with nonintegrable dynamics. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 495-500	5.9	152
238	Homography-based visual servo regulation of mobile robots. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 1041-50		139
237	Nonlinear Control of Engineering Systems 2003 ,		137
236	. <i>IEEE Transactions on Robotics</i> , 2014 , 30, 845-852	6.5	130
235	Event-Triggered Control of Multiagent Systems for Fixed and Time-Varying Network Topologies. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 5365-5371	5.9	124
234	LaSalle-Yoshizawa Corollaries for Nonsmooth Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 2333-2338	5.9	117
233	Adaptive Regulation of Amplitude Limited Robot Manipulators With Uncertain Kinematics and Dynamics. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 488-493	5.9	117
232	Impact of varying pulse frequency and duration on muscle torque production and fatigue. <i>Muscle and Nerve</i> , 2007 , 35, 504-9	3.4	107
231	Lyapunov-Based Exponential Tracking Control of a Hypersonic Aircraft with Aerothermoelastic Effects. <i>Journal of Guidance, Control, and Dynamics</i> , 2010 , 33, 1213-1224	2.1	106
230	Approximate optimal trajectory tracking for continuous-time nonlinear systems. <i>Automatica</i> , 2015 , 51, 40-48	5.7	105
229	Model-based reinforcement learning for approximate optimal regulation. <i>Automatica</i> , 2016 , 64, 94-104	5.7	105
228	Fault detection for robot manipulators with parametric uncertainty: a prediction-error-based approach. <i>IEEE Transactions on Automation Science and Engineering</i> , 2000 , 16, 689-699		97
227	Nonlinear neuromuscular electrical stimulation tracking control of a human limb. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009 , 17, 576-84	4.8	94

226	Range identification for perspective vision systems. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 2232-2238	5.9	94
225	Predictor-based control for an uncertain Euler-Lagrange system with input delay. <i>Automatica</i> , 2011 , 47, 2332-2342	5.7	90
224	Network Connectivity Preserving Formation Stabilization and Obstacle Avoidance via a Decentralized Controller. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1827-1832	5.9	89
223	Global adaptive output feedback tracking control of robot manipulators. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1203-1208	5.9	84
222	Composite adaptive control for Euler-Lagrange systems with additive disturbances. <i>Automatica</i> , 2010 , 46, 140-147	5.7	80
221	Time-Varying Input and State Delay Compensation for Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 834-839	5.9	69
220	Predictor-based compensation for electromechanical delay during neuromuscular electrical stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2011 , 19, 601-11	4.8	68
219	Adaptive tracking and regulation of a wheeled mobile robot with controller/update law modularity. <i>IEEE Transactions on Control Systems Technology</i> , 2004 , 12, 138-147	4.8	68
218	Tracking Control of Robot Manipulators with Bounded Torque Inputs. <i>Robotica</i> , 1999 , 17, 121-129	2.1	68
217	Model-Based Reinforcement Learning for Infinite-Horizon Approximate Optimal Tracking. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 753-758	10.3	67
216	Concurrent Learning for Parameter Estimation Using Dynamic State-Derivative Estimators. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3594-3601	5.9	65
215	Single Camera Structure and Motion. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 238-243	5.9	63
214	Unknown time-varying input delay compensation for uncertain nonlinear systems. <i>Automatica</i> , 2017 , 76, 222-229	5.7	61
213	Saturated control of an uncertain nonlinear system with input delay. <i>Automatica</i> , 2013 , 49, 1741-1747	5.7	61
212	Homography-Based Visual Servo Control With Imperfect Camera Calibration. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1318-1324	5.9	61
211	Modular Adaptive Control of Uncertain Euler-Lagrange Systems With Additive Disturbances. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 155-160	5.9	58
210	Closed-Loop Neural Network-Based NMES Control for Human Limb Tracking. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 712-725	4.8	57
209	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2010 , 46, 1064-1077	3.7	57

208	Asymptotic Synchronization of a Leader-Follower Network of Uncertain Euler-Lagrange Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2015 , 2, 174-182	4	54
207	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> , 2005 , 13, 814-825	4.8	53
206	Saturated RISE Feedback Control for a Class of Second-Order Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1094-1099	5.9	52
205	A hardware in the loop simulation platform for vision-based control of unmanned air vehicles. <i>Mechatronics</i> , 2009 , 19, 1043-1056	3	51
204	Approximate N-Player Nonzero-Sum Game Solution for an Uncertain Continuous Nonlinear System. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1645-58	10.3	47
203	Concurrent learning-based approximate feedback-Nash equilibrium solution of N-player nonzero-sum differential games. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014 , 1, 239-247	7	47
202	Adaptive setpoint control of robotic manipulators with amplitude-limited control inputs. <i>Robotica</i> , 2000 , 18, 171-181	2.1	47
201	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. <i>Automatica</i> , 2000 , 36, 1741-1746	5.7	47
200	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 1225-1234	4.9	46
199	Autonomous Flight of the Rotorcraft-Based UAV Using RISE Feedback and NN Feedforward Terms. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1392-1399	4.8	46
198	Identification of a moving object's velocity with a fixed camera. <i>Automatica</i> , 2005 , 41, 553-562	5.7	45
197	Composite Adaptation for Neural Network-Based Controllers. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 944-950	5.9	44
196	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> , 2015 , 23, 964-72	4.8	43
195	Leader-follower containment control over directed random graphs. <i>Automatica</i> , 2016 , 66, 56-62	5.7	43
194	Distributed Coordination of Multiple Unknown Euler-Lagrange Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 55-66	4	42
193	Energy-Based Nonlinear Control of Underactuated Euler-Lagrange Systems Subject to Impacts. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1742-1748	5.9	42
192	Detection and Mitigation of False Data Injection Attacks in Networked Control Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 4281-4292	11.9	42
191	Globally exponentially stable observer for vision-based range estimation. <i>Mechatronics</i> , 2012 , 22, 381-389		41

190	Reinforcement Learning for Optimal Feedback Control. <i>Communications and Control Engineering</i> , 2018 ,	0.6	39
189	Efficient model-based reinforcement learning for approximate online optimal control. <i>Automatica</i> , 2016 , 74, 247-258	5.7	38
188	Adaptive Homography-Based Visual Servo Tracking Control via a Quaternion Formulation. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 128-135	4.8	37
187	Integral concurrent learning: Adaptive control with parameter convergence using finite excitation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1775-1787	2.8	37
186	Keeping Multiple Moving Targets in the Field of View of a Mobile Camera. <i>IEEE Transactions on Robotics</i> , 2011 , 27, 822-828	6.5	34
185	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> , 2017 , 25, 1397-1408	4.8	33
184	Asymptotic Tracking for Aircraft via Robust and Adaptive Dynamic Inversion Methods. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 1448-1456	4.8	33
183	Synchronization of Uncertain Euler-Lagrange Systems With Uncertain Time-Varying Communication Delays. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 807-817	10.2	32
182	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1775-1781	5.9	32
181	. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1174-1183	4.8	31
180	Closed-Loop Asynchronous Neuromuscular Electrical Stimulation Prolongs Functional Movements in the Lower Body. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015 , 23, 1117-214.8	4.8	31
179	Navigation function-based visual servo control. <i>Automatica</i> , 2007 , 43, 1165-1177	5.7	31
178	Global adaptive partial state feedback tracking control of rigid-link flexible-joint robots. <i>Robotica</i> , 2000 , 18, 325-336	2.1	31
177	Asymptotic optimal control of uncertain nonlinear Euler-Lagrange systems. <i>Automatica</i> , 2011 , 47, 99-107.5.7	5.7	30
176	Adaptive Lyapunov-based control of a robot and mass-spring system undergoing an impact collision. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 1050-61		30
175	Containment control for a social network with state-dependent connectivity. <i>Automatica</i> , 2015 , 56, 86-93.7	5.7	29
174	. <i>IEEE Transactions on Education</i> , 2002 , 45, 218-226	2.1	28
173	Switched Control of Cadence During Stationary Cycling Induced by Functional Electrical Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016 , 24, 1373-1383	4.8	27

172	Asymptotic tracking by a reinforcement learning-based adaptive critic controller. <i>Journal of Control Theory and Applications</i> , 2011 , 9, 400-409		27
171	Vision-based localization of a wheeled mobile robot for greenhouse applications: A daisy-chaining approach. <i>Computers and Electronics in Agriculture</i> , 2008 , 63, 28-37	6.5	27
170	Sensor Fusion Using Fuzzy Logic Enhanced Kalman Filter for Autonomous Vehicle Guidance in Citrus Groves. <i>Transactions of the ASABE</i> , 2009 , 52, 1411-1422	0.9	26
169	Extremum-seeking nonlinear controllers for a human exercise machine. <i>IEEE/ASME Transactions on Mechatronics</i> , 2006 , 11, 233-240	5.5	26
168	. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 971-978	4.8	25
167	Adaptive satellite attitude control in the presence of inertia and CMG gimbal friction uncertainties. <i>Journal of the Astronautical Sciences</i> , 2008 , 56, 121-134	1.1	25
166	Switched Tracking Control of the Lower Limb During Asynchronous Neuromuscular Electrical Stimulation: Theory and Experiments. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1251-1262	10.2	24
165	Adaptive boundary control of store induced oscillations in a flexible aircraft wing. <i>Automatica</i> , 2016 , 70, 230-238	5.7	24
164	Robust Identification-Based State Derivative Estimation for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 187-192	5.9	23
163	Global robust output feedback tracking control of robot manipulators. <i>Robotica</i> , 2004 , 22, 351-357	2.1	23
162	Adaptive Inverse optimal neuromuscular electrical stimulation. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1710-8	10.2	22
161	Quaternion-based visual servo control in the presence of camera calibration error. <i>International Journal of Robust and Nonlinear Control</i> , 2010 , 20, 489-503	3.6	22
160	Robust containment control in a leader-follower network of uncertain Euler-Lagrange systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 3791-3805	3.6	22
159	Autonomy and machine intelligence in complex systems: A tutorial 2015 ,		21
158	Adaptive nonlinear contour coupling control for a machine tool system. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 61, 1057-1065	3.2	21
157	A novel modulation strategy to increase stimulation duration in neuromuscular electrical stimulation. <i>Muscle and Nerve</i> , 2011 , 44, 382-7	3.4	21
156	Lyapunov-Based Control of Robotic Systems		21
155	Concurrent learning-based approximate optimal regulation 2013 ,		20

154	Model-Based Reinforcement Learning in Differential Graphical Games. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 423-433	4	19
153	Invariance-Like Results for Nonautonomous Switched Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 614-627	5.9	19
152	A composite adaptive output feedback tracking controller for robotic manipulators. <i>Robotica</i> , 1999 , 17, 591-600	2.1	19
151	A Switched Systems Framework for Guaranteed Convergence of Image-Based Observers With Intermittent Measurements. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 266-280	6.5	18
150	Graph Matching-Based Formation Reconfiguration of Networked Agents With Connectivity Maintenance. <i>IEEE Transactions on Control of Network Systems</i> , 2015 , 2, 24-35	4	18
149	A Non-Linear Control Method to Compensate for Muscle Fatigue during Neuromuscular Electrical Stimulation. <i>Frontiers in Robotics and AI</i> , 2017 , 4,	2.8	18
148	Structure and motion estimation of a moving object using a moving camera 2010 ,		17
147	Structure estimation of a moving object using a moving camera: An unknown input observer approach 2011 ,		17
146	Controlling the Cadence and Admittance of a Functional Electrical Stimulation Cycle. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 1181-1192	4.8	16
145	Target Tracking in the Presence of Intermittent Measurements via Motion Model Learning. <i>IEEE Transactions on Robotics</i> , 2018 , 34, 805-819	6.5	16
144	Formation reconfiguration for mobile robots with network connectivity constraints. <i>IEEE Network</i> , 2012 , 26, 18-24	11.4	15
143	Motorized and Functional Electrical Stimulation Induced Cycling via Switched Repetitive Learning Control. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1468-1479	4.8	14
142	Motorized functional electrical stimulation for torque and cadence tracking: A switched Lyapunov approach 2017 ,		13
141	Decentralized Rendezvous of Nonholonomic Robots With Sensing and Connectivity Constraints. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	12
140	Decentralized event-triggered control of networked systems-part 2: Containment control 2015 ,		12
139	Approximate Dynamic Programming: Combining Regional and Local State Following Approximations. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2154-2166	10.3	12
138	. <i>IEEE Transactions on Robotics</i> , 2018 , 34, 486-496	6.5	12
137	Unknown time-varying input delay compensation for neuromuscular electrical stimulation 2015 ,		12

136	. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 2276-2291	4.8	12
135	Single-Agent Indirect Herding of Multiple Targets With Uncertain Dynamics. <i>IEEE Transactions on Robotics</i> , 2019 , 35, 847-860	6.5	11
134	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> , 2018 , 26, 2149-2156	4.8	11
133	Single Agent Indirect Herding of Multiple Targets: A Switched Adaptive Control Approach 2018 , 2, 127-132		11
132	Passivity-Based Learning Control for Torque and Cadence Tracking in Functional Electrical Stimulation (FES) Induced Cycling 2018 ,		11
131	Passivity-Based Iterative Learning Control for Cycling Induced by Functional Electrical Stimulation With Electric Motor Assistance. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2287-2294	4.8	11
130	Approximate optimal cooperative decentralized control for consensus in a topological network of agents with uncertain nonlinear dynamics 2013 ,		11
129	Global Exponential Tracking Control for an Autonomous Surface Vessel: An Integral Concurrent Learning Approach. <i>IEEE Journal of Oceanic Engineering</i> , 2020 , 45, 362-370	3.3	11
128	Identification-Based Closed-Loop NMES Limb Tracking With Amplitude-Modulated Control Input. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1679-90	10.2	10
127	2013 ,		10
126	Decentralized event-triggered control for leader-follower consensus 2014 ,		10
125	Comparing the force ripple during asynchronous and conventional stimulation. <i>Muscle and Nerve</i> , 2014 , 50, 549-55	3.4	10
124	Controller Synthesis for Multi-Agent Systems With Intermittent Communication. A Metric Temporal Logic Approach 2019 ,		10
123	A Force Limiting Adaptive Controller for a Robotic System Undergoing a Noncontact-to-Contact Transition. <i>IEEE Transactions on Control Systems Technology</i> , 2009 , 17, 1330-1341	4.8	9
122	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> , 2019 , 27, 730-742	4.8	9
121	Distributed Repetitive Learning Control for Cooperative Cadence Tracking in Functional Electrical Stimulation Cycling. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1084-1095	10.2	9
120	Decentralized event-triggered control of networked systems-part 1: Leader-follower consensus under switching topologies 2015 ,		8
119	Differential drag-based multiple spacecraft maneuvering and on-line parameter estimation using integral concurrent learning. <i>Acta Astronautica</i> , 2020 , 174, 189-203	2.9	8

118	Compensating for uncertain time-varying delayed muscle response in isometric neuromuscular electrical stimulation control 2016,		8
117	State following (StaF) kernel functions for function approximation Part I: Theory and motivation 2015,		8
116	Homography based visual servo control with scene reconstruction 2015,		8
115	Model-based reinforcement learning for infinite-horizon approximate optimal tracking 2014,		8
114	Online approximate optimal path-following for a mobile robot 2014,		8
113	Camera motion estimation for 3-D structure reconstruction of moving objects 2012,		8
112	Euclidean Calculation of Feature Points of a Rotating Satellite: A Daisy-Chaining Approach. <i>Journal of Guidance, Control, and Dynamics</i> , 2008 , 31, 954-961	2.1	8
111	Characterization of the Time-Varying Nature of Electromechanical Delay During FES-Cycling. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 2236-2245	4.8	8
110	Adaptive control for differential drag-based rendezvous maneuvers with an unknown target. <i>Acta Astronautica</i> , 2021 , 181, 733-740	2.9	8
109	2015,		7
108	Synchronization of uncertain Euler-Lagrange systems with unknown time-varying communication delays 2015,		7
107	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> , 2018 , 26, 904-910	4.8	7
106	The Mittag Leffler reproducing kernel Hilbert spaces of entire and analytic functions. <i>Journal of Mathematical Analysis and Applications</i> , 2018 , 463, 576-592	1.1	7
105	Decentralized Synchronization of Uncertain Nonlinear Systems With a Reputation Algorithm. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 434-445	4	7
104	State following (StaF) kernel functions for function approximation part II: Adaptive dynamic programming 2015,		7
103	Adaptive control of a surface marine craft with parameter identification using integral concurrent learning 2016,		7
102	Cadence Tracking for Switched FES Cycling with Unknown Input Delay 2019,		7
101	Distributed Connectivity Preserving Target Tracking With Random Sensing. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 2166-2173	5.9	7

100	FES Cycling in Stroke: Novel Closed-Loop Algorithm Accommodates Differences in Functional Impairments. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 738-749	5	7
99	Torque and cadence tracking in functional electrical stimulation induced cycling using passivity-based spatial repetitive learning control. <i>Automatica</i> , 2020 , 115, 108852	5.7	6
98	Single scene and path reconstruction with a monocular camera using integral concurrent learning 2017 ,		6
97	Approximate optimal online continuous-time path-planner with static obstacle avoidance 2015 ,		6
96	Experimental Results for Moving Object Structure Estimation Using an Unknown Input Observer Approach 2012 ,		6
95	Asymptotic attitude tracking of the rotorcraft-based UAV via RISE feedback and NN feedforward 2010 ,		6
94	Comparing the force- and excursion- frequency relationships in human skeletal muscle. <i>Muscle and Nerve</i> , 2008 , 38, 1627-9	3.4	6
93	The State Following Approximation Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1716-1730	10.3	6
92	A Switched Systems Approach to Path Following With Intermittent State Feedback. <i>IEEE Transactions on Robotics</i> , 2019 , 35, 725-733	6.5	5
91	A Switched Systems Framework for Path Following With Intermittent State Feedback 2018 , 2, 749-754		5
90	Cadence Tracking for Switched FES Cycling Combined with Voluntary Pedaling and Motor Resistance 2018 ,		5
89	Adaptive position and orientation regulation for the camera-in-hand problem. <i>Journal of Field Robotics</i> , 2005 , 22, 457-473		5
88	Robust Power and Cadence Tracking on a Motorized FES Cycle with an Unknown Time-Varying Input Delay 2020 ,		5
87	Approximate Optimal Motion Planning to Avoid Unknown Moving Avoidance Regions. <i>IEEE Transactions on Robotics</i> , 2020 , 36, 414-430	6.5	5
86	Aerodynamic and gravity gradient based attitude control for CubeSats in the presence of environmental and spacecraft uncertainties. <i>Acta Astronautica</i> , 2021 , 180, 439-450	2.9	5
85	Event-Triggered Approximate Leader-Follower Consensus with Resilience to Byzantine Adversaries 2019 ,		5
84	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> , 2020 , 28, 2482-2489	4.8	5
83	Split-Crank Functional Electrical Stimulation Cycling: An Adapting Admitting Rehabilitation Robot. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 2153-2165	4.8	5

82	Cadence and Admittance Control of a Motorized Functional Electrical Stimulation Cycle 2018 ,		5
81	Single Agent Indirect Herding via Approximate Dynamic Programming 2018 ,		5
80	Data-Based Reinforcement Learning Approximate Optimal Control for an Uncertain Nonlinear System with Partial Loss of Control Effectiveness 2018 ,		4
79	Robust tracking control of an array of nanoparticles moving on a substrate. <i>Automatica</i> , 2012 , 48, 442-448	3.7	4
78	New Startup Method Using Internal Momentum Management of Variable-Speed Control Moment Gyroscopes. <i>Journal of Guidance, Control, and Dynamics</i> , 2012 , 35, 1472-1482	2.1	4
77	Range Identification in the Presence of Unknown Motion Parameters for Perspective Vision Systems. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	4
76	Functional electrical stimulation induced cycling using repetitive learning control 2016 ,		4
75	Split-Crank Cadence Tracking for Switched Motorized FES-Cycling with Volitional Pedaling 2019 ,		4
74	Cycling With Functional Electrical Stimulation and Adaptive Neural Network Admittance Control 2019 ,		4
73	A Switched Systems Approach to Consensus of a Distributed Multi-agent System with Intermittent Communication 2019 ,		4
72	Sparse Learning-Based Approximate Dynamic Programming With Barrier Constraints 2020 , 4, 743-748		4
71	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> , 2021 , 1-1	11.9	4
70	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> , 2021 , 8, 1417-1429	4	4
69	FES and Motor Assisted Cycling to Track Power and Cadence to Desired Voluntary Bounds. <i>IFAC-PapersOnLine</i> , 2019 , 51, 34-39	0.7	3
68	On reduction of differential inclusions and Lyapunov stability. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020 , 26, 24	1	3
67	Data-based reinforcement learning approximate optimal control for an uncertain nonlinear system with control effectiveness faults. <i>Automatica</i> , 2020 , 116, 108922	5.7	3
66	Coverage control based effective jamming strategy for wireless networks 2016 ,		3
65	Velocity and Path Reconstruction of a Moving Object Using a Moving Camera 2018 ,		3

64	A switched systems approach to vision-based tracking control of wheeled mobile robots 2017 ,		3
63	A switched systems approach to image-based localization of targets that temporarily leave the field of view 2014 ,		3
62	Single Camera Structure and Motion Estimation. <i>Lecture Notes in Control and Information Sciences</i> , 2010 , 209-229	0.5	3
61	Globally exponentially convergent observer for vision-based range estimation 2010 ,		3
60	Event/Self-Triggered Approximate Leader-Follower Consensus with Resilience to Byzantine Adversaries. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	3
59	Admittance Trajectory Tracking using a Challenge-Based Rehabilitation Robot with Functional Electrical Stimulation 2018 ,		3
58	Robust Cadence Tracking for Switched FES-Cycling With an Unknown Time-Varying Input Delay. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-8	4.8	3
57	A switched systems approach to vision-based localization of a target with intermittent measurements 2015 ,		2
56	Swallow Motor Pattern Is Modulated by Fixed or Stochastic Alterations in Afferent Feedback. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 112	3.3	2
55	A Switched Systems Approach Based on Changing Muscle Geometry of the Biceps Brachii During Functional Electrical Stimulation 2017 , 1-1		2
54	Throughput maximization in CSMA networks with collisions 2012 ,		2
53	Saturated RISE Tracking Control of Store-Induced Limit Cycle Oscillations 2013 ,		2
52	Adaptive RISE Feedback Control Strategies for Systems with Structured and Unstructured Uncertainties 2013 ,		2
51	Nonlinear observer for structure estimation using a paracatadioptric camera 2010 ,		2
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