Warren E Dixon

List of Publications by Year
in descending order

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262	9,222	31902	53109
papers	citations	53 h-index	85 g-index

268	268	268	4230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel actorâ€“criticâ€“identifier architecture for approximate optimal control of uncertain nonlinear systems. Automatica, 2013, 49, 82-92.	3.0	439
2	Nonlinear coupling control laws for an underactuated overhead crane system. IEEE/ASME Transactions on Mechatronics, 2003, 8, 418-423.	3.7	277
3	Asymptotic Tracking for Uncertain Dynamic Systems Via a Multilayer Neural Network Feedforward and RISE Feedback Control Structure. IEEE Transactions on Automatic Control, 2008, 53, 2180-2185.	3.6	215
4	Lyapunov-Based Tracking Control in the Presence of Uncertain Nonlinear Parameterizable Friction. IEEE Transactions on Automatic Control, 2007, 52, 1988-1994.	3.6	212
5	Adaptive Regulation of Amplitude Limited Robot Manipulators With Uncertain Kinematics and Dynamics. IEEE Transactions on Automatic Control, 2007, 52, 488-493.	3.6	201
6	Tracking and regulation control of an underactuated surface vessel with nonintegrable dynamics. IEEE Transactions on Automatic Control, 2002, 47, 495-500.	3.6	198
7	Event-Triggered Control of Multiagent Systems for Fixed and Time-Varying Network Topologies. IEEE Transactions on Automatic Control, 2017, 62, 5365-5371.	3.6	190
8	Homography-Based Visual Servo Regulation of Mobile Robots. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 1041-1050.	5.5	174
9	Nonlinear RISE-Based Control of an Autonomous Underwater Vehicle. IEEE Transactions on Robotics, 2014, 30, 845-852.	7.3	174
10	Nonlinear Control of Engineering Systems. , 2003, , .		172
11	Approximate optimal trajectory tracking for continuous-time nonlinear systems. Automatica, 2015, 51, 40-48.	3.0	168
12	LaSalle-Yoshizawa Corollaries for Nonsmooth Systems. IEEE Transactions on Automatic Control, 2013, 58, 2333-2338.	3.6	165
13	Model-based reinforcement learning for approximate optimal regulation. Automatica, 2016, 64, 94-104.	3.0	158
14	Lyapunov-Based Exponential Tracking Control of a Hypersonic Aircraft with Aerothermoelastic Effects. Journal of Guidance, Control, and Dynamics, 2010, 33, 1213-1224.	1.6	136
15	Range identification for perspective vision systems. IEEE Transactions on Automatic Control, 2003, 48, 2232-2238.	3.6	130
16	Impact of varying pulse frequency and duration on muscle torque production and fatigue. Muscle and Nerve, 2007, 35, 504-509.	1.0	129
17	Fault detection for robot manipulators with parametric uncertainty: a prediction-error-based approach. IEEE Transactions on Automation Science and Engineering, 2000, 16, 689-699.	2.4	128
18	Nonlinear Neuromuscular Electrical Stimulation Tracking Control of a Human Limb. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2009, 17, 576-584.	2.7	127

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19	Concurrent Learning for Parameter Estimation Using Dynamic State-Derivative Estimators. IEEE Transactions on Automatic Control, 2017, 62, 3594-3601.	3.6	117
20	Predictor-based control for an uncertain Eulerâ€“Lagrange system with input delay. Automatica, 2011, 47, 2332-2342.	3.0	116
21	Global adaptive output feedback tracking control of robot manipulators. IEEE Transactions on Automatic Control, 2000, 45, 1203-1208.	3.6	115
22	Network Connectivity Preserving Formation Stabilization and Obstacle Avoidance via a Decentralized Controller. IEEE Transactions on Automatic Control, 2012, 57, 1827-1832.	3.6	113
23	Composite adaptive control for Eulerâ€“Lagrange systems with additive disturbances. Automatica, 2010, 46, 140-147.	3.0	97
24	Single Camera Structure and Motion. IEEE Transactions on Automatic Control, 2012, 57, 238-243.	3.6	97
25	Model-Based Reinforcement Learning for Infinite-Horizon Approximate Optimal Tracking. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 753-758.	7.2	96
26	Tracking Control of Robot Manipulators with Bounded Torque Inputs. Robotica, 1999, 17, 121-129.	1.3	95
27	Time-Varying Input and State Delay Compensation for Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2016, 61, 834-839.	3.6	92
28	Integral concurrent learning: Adaptive control with parameter convergence using finite excitation. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1775-1787.	2.3	91
29	Adaptive Tracking and Regulation of a Wheeled Mobile Robot With Controller/Update Law Modularity. IEEE Transactions on Control Systems Technology, 2004, 12, 138-147.	3.2	88
30	Unknown time-varying input delay compensation for uncertain nonlinear systems. Automatica, 2017, 76, 222-229.	3.0	88
31	Reinforcement Learning for Optimal Feedback Control. Communications and Control Engineering, 2018, , .	1.0	87
32	Predictor-Based Compensation for Electromechanical Delay During Neuromuscular Electrical Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 601-611.	2.7	85
33	Saturated control of an uncertain nonlinear system with input delay. Automatica, 2013, 49, 1741-1747.	3.0	85
34	Closed-Loop Neural Network-Based NMES Control for Human Limb Tracking. IEEE Transactions on Control Systems Technology, 2012, 20, 712-725.	3.2	82
35	Detection and Mitigation of False Data Injection Attacks in Networked Control Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 4281-4292.	7.2	82
36	Homography-Based Visual Servo Control With Imperfect Camera Calibration. IEEE Transactions on Automatic Control, 2009, 54, 1318-1324.	3.6	81

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37	Saturated RISE Feedback Control for a Class of Second-Order Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1094-1099.	3.6	79
38	Modular Adaptive Control of Uncertain Eulerâ€“Lagrange Systems With Additive Disturbances. IEEE Transactions on Automatic Control, 2011, 56, 155-160.	3.6	74
39	Adaptive homography-based visual servo tracking for a fixed camera configuration with a camera-in-hand extension. IEEE Transactions on Control Systems Technology, 2005, 13, 814-825.	3.2	73
40	Automatic Control of Cycling Induced by Functional Electrical Stimulation With Electric Motor Assistance. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1225-1234.	3.4	73
41	Vision-Based Estimation for Guidance, Navigation, and Control of an Aerial Vehicle. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1064-1077.	2.6	71
42	Efficient model-based reinforcement learning for approximate online optimal control. Automatica, 2016, 74, 247-258.	3.0	71
43	Asymptotic Synchronization of a Leader-Follower Network of Uncertain Euler-Lagrange Systems. IEEE Transactions on Control of Network Systems, 2015, 2, 174-182.	2.4	69
44	Approximate <inline-formula> <tex-math notation="LaTeX">N </tex-math></inline-formula>-Player Nonzero-Sum Game Solution for an Uncertain Continuous Nonlinear System. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1645-1658.	7.2	69
45	Distributed Coordination of Multiple Unknown Euler-Lagrange Systems. IEEE Transactions on Control of Network Systems, 2018, 5, 55-66.	2.4	69
46	Concurrent learning-based approximate feedback-Nash equilibrium solution of N-player nonzero-sum differential games. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 239-247.	8.5	66
47	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. Automatica, 2000, 36, 1741-1746.	3.0	63
48	Adaptive setâ€“point control of robotic manipulators with amplitudeâ€“limited control inputs. Robotica, 2000, 18, 171-181.	1.3	62
49	A hardware in the loop simulation platform for vision-based control of unmanned air vehicles. Mechatronics, 2009, 19, 1043-1056.	2.0	60
50	Identification of a moving object's velocity with a fixed camera. Automatica, 2005, 41, 553-562.	3.0	59
51	Autonomous Flight of the Rotorcraft-Based UAV Using RISE Feedback and NN Feedforward Terms. IEEE Transactions on Control Systems Technology, 2012, 20, 1392-1399.	3.2	59
52	Leaderâ€“follower containment control over directed random graphs. Automatica, 2016, 66, 56-62.	3.0	58
53	Composite Adaptation for Neural Network-Based Controllers. IEEE Transactions on Automatic Control, 2010, 55, 944-950.	3.6	57
54	Comparing the Induced Muscle Fatigue Between Asynchronous and Synchronous Electrical Stimulation in Able-Bodied and Spinal Cord Injured Populations. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 964-972.	2.7	57

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55	Energy-Based Nonlinear Control of Underactuated Eulerâ€“Lagrange Systems Subject to Impacts. IEEE Transactions on Automatic Control, 2007, 52, 1742-1748.	3.6	53
56	Globally exponentially stable observer for vision-based range estimation. Mechatronics, 2012, 22, 381-389.	2.0	53
57	Adaptive Homography-Based Visual Servo Tracking Control via a Quaternion Formulation. IEEE Transactions on Control Systems Technology, 2010, 18, 128-135.	3.2	52
58	Asymptotic Tracking for Aircraft via Robust and Adaptive Dynamic Inversion Methods. IEEE Transactions on Control Systems Technology, 2010, 18, 1448-1456.	3.2	52
59	Adaptive Lyapunov-Based Control of a Robot and Massâ€“Spring System Undergoing an Impact Collision. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1050-1061.	5.5	50
60	Range and Motion Estimation of a Monocular Camera Using Static and Moving Objects. IEEE Transactions on Control Systems Technology, 2016, 24, 1174-1183.	3.2	49
61	Global adaptive partial state feedback tracking control of rigid-link flexible-joint robots. Robotica, 2000, 18, 325-336.	1.3	48
62	A MATLAB-based control systems laboratory experience for undergraduate students: toward standardization and shared resources. IEEE Transactions on Education, 2002, 45, 218-226.	2.0	47
63	Asymptotic optimal control of uncertain nonlinear Eulerâ€“Lagrange systems. Automatica, 2011, 47, 99-107.	3.0	46
64	The Time-Varying Nature of Electromechanical Delay and Muscle Control Effectiveness in Response to Stimulation-Induced Fatigue. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1397-1408.	2.7	46
65	Navigation function-based visual servo control. Automatica, 2007, 43, 1165-1177.	3.0	44
66	Keeping Multiple Moving Targets in the Field of View of a Mobile Camera. IEEE Transactions on Robotics, 2011, 27, 822-828.	7.3	44
67	Switched Control of Cadence During Stationary Cycling Induced by Functional Electrical Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1373-1383.	2.7	44
68	Closed-Loop Asynchronous Neuromuscular Electrical Stimulation Prolongs Functional Movements in the Lower Body. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 1117-1127.	2.7	41
69	Model-Based Reinforcement Learning in Differential Graphical Games. IEEE Transactions on Control of Network Systems, 2018, 5, 423-433.	2.4	41
70	Sensor Fusion Using Fuzzy Logic Enhanced Kalman Filter for Autonomous Vehicle Guidance in Citrus Groves. Transactions of the ASABE, 2009, 52, 1411-1422.	1.1	40
71	Synchronization of Uncertain Eulerâ€“Lagrange Systems With Uncertain Time-Varying Communication Delays. IEEE Transactions on Cybernetics, 2018, 48, 807-817.	6.2	40
72	Containment control for a social network with state-dependent connectivity. Automatica, 2015, 56, 86-92.	3.0	39

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73	Extremum-seeking nonlinear controllers for a human exercise machine. IEEE/ASME Transactions on Mechatronics, 2006, 11, 233-240.	3.7	37
74	Lyapunov-Based Range Identification For Paracatadioptric Systems. IEEE Transactions on Automatic Control, 2008, 53, 1775-1781.	3.6	37
75	Asymptotic tracking by a reinforcement learning-based adaptive critic controller. Journal of Control Theory and Applications, 2011, 9, 400-409.	0.8	37
76	Adaptive boundary control of store induced oscillations in a flexible aircraft wing. Automatica, 2016, 70, 230-238.	3.0	36
77	Robust containment control in a leader-follower network of uncertain Euler-Lagrange systems. International Journal of Robust and Nonlinear Control, 2016, 26, 3791-3805.	2.1	35
78	Adaptive satellite attitude control in the presence of inertia and CMG gimbal friction uncertainties. Journal of the Astronautical Sciences, 2008, 56, 121-134.	0.8	34
79	Isometric Torque Control for Neuromuscular Electrical Stimulation With Time-Varying Input Delay. IEEE Transactions on Control Systems Technology, 2016, 24, 971-978.	3.2	34
80	Vision-based localization of a wheeled mobile robot for greenhouse applications: A daisy-chaining approach. Computers and Electronics in Agriculture, 2008, 63, 28-37.	3.7	33
81	A composite adaptive output feedback tracking controller for robotic manipulators. Robotica, 1999, 17, 591-600.	1.3	32
82	Graph Matching-Based Formation Reconfiguration of Networked Agents With Connectivity Maintenance. IEEE Transactions on Control of Network Systems, 2015, 2, 24-35.	2.4	30
83	Switched Tracking Control of the Lower Limb During Asynchronous Neuromuscular Electrical Stimulation: Theory and Experiments. IEEE Transactions on Cybernetics, 2017, 47, 1251-1262.	6.2	30
84	Invariance-Like Results for Nonautonomous Switched Systems. IEEE Transactions on Automatic Control, 2019, 64, 614-627.	3.6	30
85	Autonomy and machine intelligence in complex systems: A tutorial. , 2015, , .		29
86	Robust Identification-Based State Derivative Estimation for Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 187-192.	3.6	28
87	Controlling the Cadence and Admittance of a Functional Electrical Stimulation Cycle. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1181-1192.	2.7	28
88	Lyapunov-Based Control of a Nonlinear Multiagent System With a Time-Varying Input Delay Under False-Data-Injection Attacks. IEEE Transactions on Industrial Informatics, 2022, 18, 2693-2703.	7.2	28
89	Global robust output feedback tracking control of robot manipulators. Robotica, 2004, 22, 351-357.	1.3	27
90	Structure estimation of a moving object using a moving camera: An unknown input observer approach. , 2011, , .		27

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91	Motorized and Functional Electrical Stimulation Induced Cycling via Switched Repetitive Learning Control. IEEE Transactions on Control Systems Technology, 2019, 27, 1468-1479.	3.2	27
92	Lyapunov-Based Real-Time and Iterative Adjustment of Deep Neural Networks. , 2022, 6, 193-198.		27
93	Quaternionâ€based visual servo control in the presence of camera calibration error. International Journal of Robust and Nonlinear Control, 2010, 20, 489-503.	2.1	26
94	Structure and motion estimation of a moving object using a moving camera. , 2010, , .		26
95	A Switched Systems Framework for Guaranteed Convergence of Image-Based Observers With Intermittent Measurements. IEEE Transactions on Robotics, 2017, 33, 266-280.	7.3	26
96	A novel modulation strategy to increase stimulation duration in neuromuscular electrical stimulation. Muscle and Nerve, 2011, 44, 382-387.	1.0	25
97	Adaptive Inverse Optimal Neuromuscular Electrical Stimulation. IEEE Transactions on Cybernetics, 2013, 43, 1710-1718.	6.2	25
98	Target Tracking in the Presence of Intermittent Measurements via Motion Model Learning. IEEE Transactions on Robotics, 2018, 34, 805-819.	7.3	25
99	A Non-Linear Control Method to Compensate for Muscle Fatigue during Neuromuscular Electrical Stimulation. Frontiers in Robotics and AI, 2017, 4, .	2.0	24
100	Adaptive nonlinear contour coupling control for a machine tool system. International Journal of Advanced Manufacturing Technology, 2012, 61, 1057-1065.	1.5	23
101	Approximate Dynamic Programming: Combining Regional and Local State Following Approximations. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2154-2166.	7.2	23
102	Closed-Loop Position and Cadence Tracking Control for FES-Cycling Exploiting Pedal Force Direction With Antagonistic Biarticular Muscles. IEEE Transactions on Control Systems Technology, 2019, 27, 730-742.	3.2	23
103	Single Agent Indirect Herding of Multiple Targets: A Switched Adaptive Control Approach. , 2018, 2, 127-132.		22
104	Online Approximate Optimal Station Keeping of a Marine Craft in the Presence of an Irrotational Current. IEEE Transactions on Robotics, 2018, 34, 486-496.	7.3	22
105	Passivity-Based Iterative Learning Control for Cycling Induced by Functional Electrical Stimulation With Electric Motor Assistance. IEEE Transactions on Control Systems Technology, 2019, 27, 2287-2294.	3.2	22
106	Global Exponential Tracking Control for an Autonomous Surface Vessel: An Integral Concurrent Learning Approach. IEEE Journal of Oceanic Engineering, 2020, 45, 362-370.	2.1	22
107	Closed-Loop Cadence and Instantaneous Power Control on a Motorized Functional Electrical Stimulation Cycle. IEEE Transactions on Control Systems Technology, 2020, 28, 2276-2291.	3.2	22
108	Concurrent learning-based approximate optimal regulation. , 2013, , .		21

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109	A Switched Systems Approach to Image-Based Localization of Targets That Temporarily Leave the Camera Field of View. IEEE Transactions on Control Systems Technology, 2018, 26, 2149-2156.	3.2	20
110	Single-Agent Indirect Herding of Multiple Targets With Uncertain Dynamics. IEEE Transactions on Robotics, 2019, 35, 847-860.	7.3	19
111	Data-based reinforcement learning approximate optimal control for an uncertain nonlinear system with control effectiveness faults. Automatica, 2020, 116, 108922.	3.0	19
112	Sparse Learning-Based Approximate Dynamic Programming With Barrier Constraints. , 2020, 4, 743-748.		19
113	Formation reconfiguration for mobile robots with network connectivity constraints. IEEE Network, 2012, 26, 18-24.	4.9	18
114	Distributed Connectivity Preserving Target Tracking With Random Sensing. IEEE Transactions on Automatic Control, 2019, 64, 2166-2173.	3.6	18
115	Torque and cadence tracking in functional electrical stimulation induced cycling using passivity-based spatial repetitive learning control. Automatica, 2020, 115, 108852.	3.0	18
116	Decentralized Rendezvous of Nonholonomic Robots With Sensing and Connectivity Constraints. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	17
117	A Switched Systems Approach to Path Following With Intermittent State Feedback. IEEE Transactions on Robotics, 2019, 35, 725-733.	7.3	17
118	Distributed Repetitive Learning Control for Cooperative Cadence Tracking in Functional Electrical Stimulation Cycling. IEEE Transactions on Cybernetics, 2020, 50, 1084-1095.	6.2	17
119	Lyapunov-Derived Control and Adaptive Update Laws for Inner and Outer Layer Weights of a Deep Neural Network. , 2022, 6, 1855-1860.		17
120	Approximate optimal cooperative decentralized control for consensus in a topological network of agents with uncertain nonlinear dynamics. , 2013, , .		16
121	Event-Triggered Formation Control and Leader Tracking With Resilience to Byzantine Adversaries: A Reputation-Based Approach. IEEE Transactions on Control of Network Systems, 2021, 8, 1417-1429.	2.4	16
122	Decentralized event-triggered control for leader-follower consensus. , 2014, , .		15
123	Unknown time-varying input delay compensation for neuromuscular electrical stimulation. , 2015, , .		15
124	Motorized functional electrical stimulation for torque and cadence tracking: A switched Lyapunov approach. , 2017, , .		15
125	Controller Synthesis for Multi-Agent Systems With Intermittent Communication. A Metric Temporal Logic Approach. , 2019, , .		15
126	Approximate Optimal Motion Planning to Avoid Unknown Moving Avoidance Regions. IEEE Transactions on Robotics, 2020, 36, 414-430.	7.3	15

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127	Decentralized event-triggered control of networked systems-part 2: Containment control. , 2015, , .		14
128	A Force Limiting Adaptive Controller for a Robotic System Undergoing a Noncontact-to-Contact Transition. IEEE Transactions on Control Systems Technology, 2009, 17, 1330-1341.	3.2	13
129	Identification-Based Closed-Loop NMES Limb Tracking With Amplitude-Modulated Control Input. IEEE Transactions on Cybernetics, 2016, 46, 1679-1690.	6.2	13
130	Influence of Elbow Flexion and Stimulation Site on Neuromuscular Electrical Stimulation of the Biceps Brachii. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 904-910.	2.7	13
131	The Mittag Leffler reproducing kernel Hilbert spaces of entire and analytic functions. Journal of Mathematical Analysis and Applications, 2018, 463, 576-592.	0.5	13
132	Passivity-Based Learning Control for Torque and Cadence Tracking in Functional Electrical Stimulation (FES) Induced Cycling. , 2018, , .		13
133	Real-Time Modular Deep Neural Network-Based Adaptive Control of Nonlinear Systems. , 2022, 6, 476-481.		13
134	Aerodynamic and gravity gradient based attitude control for CubeSats in the presence of environmental and spacecraft uncertainties. Acta Astronautica, 2021, 180, 439-450.	1.7	13
135	Homography based visual servo control with scene reconstruction. , 2015, , .		12
136	Adaptive control of a surface marine craft with parameter identification using integral concurrent learning. , 2016, , .		12
137	The State Following Approximation Method. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1716-1730.	7.2	12
138	Closed-Loop Neuromuscular Electrical Stimulation Method Provides Robustness to Unknown Time-Varying Input Delay in Muscle Dynamics. IEEE Transactions on Control Systems Technology, 2020, 28, 2482-2489.	3.2	12
139	Adaptive control for differential drag-based rendezvous maneuvers with an unknown target. Acta Astronautica, 2021, 181, 733-740.	1.7	12
140	Adaptive Safety with Multiple Barrier Functions Using Integral Concurrent Learning. , 2021, , .		12
141	Camera motion estimation for 3-D structure reconstruction of moving objects. , 2012, , .		11
142	Tracking control of a human limb during asynchronous neuromuscular electrical stimulation. , 2013, , .		11
143	Model-based reinforcement learning for infinite-horizon approximate optimal tracking. , 2014, , .		11
144	Comparing the force ripple during asynchronous and conventional stimulation. Muscle and Nerve, 2014, 50, 549-555.	1.0	11

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145	Compensating for uncertain time-varying delayed muscle response in isometric neuromuscular electrical stimulation control. , 2016, , .		11
146	FES Cycling in Stroke: Novel Closed-Loop Algorithm Accommodates Differences in Functional Impairments. IEEE Transactions on Biomedical Engineering, 2020, 67, 738-749.	2.5	11
147	Characterization of the Time-Varying Nature of Electromechanical Delay During FES-Cycling. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2236-2245.	2.7	11
148	Differential drag-based multiple spacecraft maneuvering and on-line parameter estimation using integral concurrent learning. Acta Astronautica, 2020, 174, 189-203.	1.7	11
149	Adaptive Visual Servo Control. , 2009, , 42-63.		11
150	Euclidean Calculation of Feature Points of a Rotating Satellite: A Daisy-Chaining Approach. Journal of Guidance, Control, and Dynamics, 2008, 31, 954-961.	1.6	10
151	State following (StaF) kernel functions for function approximation part II: Adaptive dynamic programming. , 2015, , .		10
152	Event/Self-Triggered Approximate Leader-Follower Consensus With Resilience to Byzantine Adversaries. IEEE Transactions on Automatic Control, 2022, 67, 1356-1370.	3.6	10
153	Robust Cadence Tracking for Switched FES-Cycling With an Unknown Time-Varying Input Delay. IEEE Transactions on Control Systems Technology, 2022, 30, 827-834.	3.2	10
154	Range Identification in the Presence of Unknown Motion Parameters for Perspective Vision Systems. Proceedings of the American Control Conference, 2007, , .	0.0	9
155	Online approximate optimal path-following for a mobile robot. , 2014, , .		9
156	Synchronization of uncertain Euler-Lagrange systems with unknown time-varying communication delays. , 2015, , .		9
157	Decentralized event-triggered control of networked systems-part 1: Leader-follower consensus under switching topologies. , 2015, , .		9
158	Single scene and path reconstruction with a monocular camera using integral concurrent learning. , 2017, , .		9
159	Decentralized Synchronization of Uncertain Nonlinear Systems With a Reputation Algorithm. IEEE Transactions on Control of Network Systems, 2018, 5, 434-445.	2.4	9
160	A Switched Systems Framework for Path Following With Intermittent State Feedback. , 2018, 2, 749-754.		9
161	Split-Crank Functional Electrical Stimulation Cycling: An Adapting Admitting Rehabilitation Robot. IEEE Transactions on Control Systems Technology, 2021, 29, 2153-2165.	3.2	9
162	Image Based State Estimation. , 2009, , 4751-4776.		9

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163	Asymptotic attitude tracking of the rotorcraft-based UAV via RISE feedback and NN feedforward. , 2010, , .		8
164	State following (StaF) kernel functions for function approximation Part I: Theory and motivation. , 2015, , .		8
165	Switched tracking control of a human limb during asynchronous neuromuscular electrical stimulation. , 2015, , .		8
166	Cadence and Admittance Control of a Motorized Functional Electrical Stimulation Cycle. , 2018, , .		8
167	Single Agent Indirect Herding via Approximate Dynamic Programming. , 2018, , .		8
168	Cadence Tracking for Switched FES Cycling Combined with Voluntary Pedaling and Motor Resistance. , 2018, , .		8
169	Velocity and Path Reconstruction of a Moving Object Using a Moving Camera. , 2018, , .		8
170	Cadence Tracking for Switched FES Cycling with Unknown Input Delay. , 2019, , .		8
171	A Switched Systems Approach to Consensus of a Distributed Multi-agent System with Intermittent Communication. , 2019, , .		8
172	Shared control for switched motorized FES-cycling on a split-crank cycle accounting for muscle control input saturation. Automatica, 2021, 123, 109294.	3.0	8
173	Approximate optimal influence over an agent through an uncertain interaction dynamic. Automatica, 2021, 134, 109913.	3.0	8
174	Adaptive position and orientation regulation for the camera-in-hand problem. Journal of Field Robotics, 2005, 22, 457-473.	0.7	7
175	Single Camera Structure and Motion Estimation. Lecture Notes in Control and Information Sciences, 2010, , 209-229.	0.6	7
176	Experimental Results for Moving Object Structure Estimation Using an Unknown Input Observer Approach. , 2012, , .		7
177	Approximate optimal online continuous-time path-planner with static obstacle avoidance. , 2015, , .		7
178	A switched systems approach to vision-based tracking control of wheeled mobile robots. , 2017, , .		7
179	Admittance Trajectory Tracking using a Challenge-Based Rehabilitation Robot with Functional Electrical Stimulation. , 2018, , .		7
180	Split-Crank Cadence Tracking for Switched Motorized FES-Cycling with Volitional Pedaling. , 2019, , .		7

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181	A Switched Lyapunov-Passivity Approach to Motorized FES Cycling Using Adaptive Admittance Control. IEEE Transactions on Control Systems Technology, 2022, 30, 740-754.	3.2	7
182	FES Cycling and Closed-Loop Feedback Control for Rehabilitative Humanâ€“Robot Interaction. Robotics, 2021, 10, 61.	2.1	7
183	Zeroing Control Barrier Functions for Safe Volitional Pedaling in a Motorized Cycle. IFAC-PapersOnLine, 2020, 53, 218-223.	0.5	7
184	Encouraging Volitional Pedaling in Functional Electrical Stimulation-Assisted Cycling Using Barrier Functions. Frontiers in Robotics and AI, 2021, 8, 742986.	2.0	7
185	Adaptive Control of Time-Varying Parameter Systems With Asymptotic Tracking. IEEE Transactions on Automatic Control, 2022, 67, 4809-4815.	3.6	7
186	Position and cadence tracking of a motorized FES-cycle with an unknown time-varying input delay using saturated FES control. Automatica, 2022, 139, 110176.	3.0	7
187	Comparing the forceâ€“ and excursionâ€“ frequency relationships in human skeletal muscle. Muscle and Nerve, 2008, 38, 1627-1629.	1.0	6
188	Functional electrical stimulation induced cycling using repetitive learning control. , 2016, , .		6
189	Coverage control based effective jamming strategy for wireless networks. , 2016, , .		6
190	Event-Triggered Approximate Leader-Follower Consensus with Resilience to Byzantine Adversaries. , 2019, , .		6
191	On reduction of differential inclusions and Lyapunov stability. ESAIM - Control, Optimisation and Calculus of Variations, 2020, 26, 24.	0.7	6
192	Robust Power and Cadence Tracking on a Motorized FES Cycle with an Unknown Time-Varying Input Delay. , 2020, , .		6
193	Exponential Stability With RISE Controllers. , 2022, 6, 1592-1597.		6
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