Anthony Tzes

List of Publications by Year
in descending order

270 papers	4,493 citations	201674 27 h-index	182427 51 g-index
270 all docs	270 docs citations	270 times ranked	2863 citing authors

#	Article	IF	Citations
1	Model predictive quadrotor control: attitude, altitude and position experimental studies. IET Control Theory and Applications, 2012, 6, 1812-1827.	2.1	294
2	Switching model predictive attitude control for a quadrotor helicopter subject to atmospheric disturbances. Control Engineering Practice, 2011, 19, 1195-1207.	5.5	275
3	An adaptive input shaping control scheme for vibration suppression in slewing flexible structures. IEEE Transactions on Control Systems Technology, 1993, 1, 114-121.	5.2	192
4	An Internet-based real-time control engineering laboratory. IEEE Control Systems, 1999, 19, 19-34.	0.8	181
5	Improving EMG based classification of basic hand movements using EMD. , 2013, 2013, 5754-7.		106
6	Energy efficient and perceived QoS aware video routing over Wireless Multimedia Sensor Networks. Ad Hoc Networks, 2011, 9, 591-607.	5.5	102
7	Development and Control of a Multifunctional Prosthetic Hand with Shape Memory Alloy Actuators. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 257-289.	3.4	101
8	Power Conservation through Energy Efficient Routing in Wireless Sensor Networks. Sensors, 2009, 9, 7320-7342.	3.8	99
9	Distributed coverage control for concave areas by a heterogeneous Robotâ€"Swarm with visibility sensing constraints. Automatica, 2015, 53, 195-207.	5.0	96
10	Guidance and Control Design for a Class of Spin-Stabilized Fin-Controlled Projectiles. Journal of Guidance, Control, and Dynamics, 2013, 36, 517-531.	2.8	83
11	Coordination of Helicopter UAVs for Aerial Forest-Fire Surveillance. , 2009, , 169-193.		82
12	On Trajectory Tracking Model Predictive Control of an Unmanned Quadrotor Helicopter Subject to Aerodynamic Disturbances. Asian Journal of Control, 2014, 16, 209-224.	3.0	80
13	Robust Model Predictive Flight Control of Unmanned Rotorcrafts. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 443-469.	3.4	80
14	Experimental results on adaptive nonlinear control and input preshaping for multi-link flexible manipulators. Automatica, 1995, 31, 83-97.	5.0	73
15	EMG based classification of basic hand movements based on time-frequency features. , 2013, , .		59
16	Model predictive quadrotor indoor position control. , 2011, , .		57
17	Greece [control education]. IEEE Control Systems, 1996, 16, 26-29.	0.8	56
18	Experiments on rigid body-based controllers with input preshaping for a two-link flexible manipulator. IEEE Transactions on Automation Science and Engineering, 1994, 10, 55-65.	2.3	55

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19	Distributed Collaborative Coverage-Control Schemes for Non-Convex Domains. IEEE Transactions on Automatic Control, 2015, 60, 2422-2427.	5.7	54
20	Applications of Petri networks to transportation network modeling. IEEE Transactions on Vehicular Technology, 1996, 45, 391-400.	6.3	53
21	Closed-Loop Input Shaping for Flexible Structures Using Time-Delay Control1. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 454-460.	1.6	52
22	Design and experimental attitude control of an unmanned Tilt-Rotor aerial vehicle. , 2011, , .		51
23	Efficient force exertion for aerial robotic manipulation: Exploiting the thrust-vectoring authority of a tri-tiltrotor UAV. , 2014, , .		51
24	Quadratic stability analysis of the Takagi-Sugeno fuzzy model. Fuzzy Sets and Systems, 1998, 98, 1-14.	2.7	49
25	Dualâ€"Authority Thrustâ€"Vectoring of a Triâ€"TiltRotor employing Model Predictive Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 471-504.	3.4	48
26	Development and Experimental Verification of a Mobile Client-Centric Networked Controlled System. European Journal of Control, 2005, 11, 229-241.	2.6	47
27	Fault detection and diagnosis based on parameter set estimation. IET Control Theory and Applications, 2011, 5, 69.	2.1	47
28	Model predictive hovering-translation control of an unmanned Tri-TiltRotor. , 2013, , .		43
29	Design of a robust PID-control switching scheme for an electrostatic micro-actuator. Control Engineering Practice, 2008, 16, 1321-1328.	5.5	39
30	Spatially distributed area coverage optimisation in mobile robotic networks with arbitrary convex anisotropic patterns. Automatica, 2013, 49, 232-237.	5.0	39
31	Collaborative visual area coverage. Robotics and Autonomous Systems, 2017, 92, 126-138.	5.1	37
32	The power-tethered UAV-UGV team: A collaborative strategy for navigation in partially-mapped environments. , 2014, , .		35
33	Genetic-based fuzzy clustering for DC-motor friction identification and compensation. IEEE Transactions on Control Systems Technology, 1998, 6, 462-472.	5.2	34
34	Model predictive attitude control of an unmanned Tilt-Rotor aircraft. , 2011, , .		33
35	Robust PID control design for an electrostatic micromechanical actuator with structured uncertainty. IET Control Theory and Applications, 2008, 2, 365-373.	2.1	32
36	Design of an anthropomorphic prosthetic hand driven by Shape Memory Alloy actuators. , 2008, , .		30

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37	Design and experimental verification of a Constrained Finite Time Optimal control scheme for the attitude control of a Quadrotor Helicopter subject to wind gusts. , 2010, , .		30
38	The Power-over-Tether system for powering small UAVs: Tethering-line tension control synthesis. , 2015, , .		30
39	Neural network control for DC motor micromaneuvering. IEEE Transactions on Industrial Electronics, 1995, 42, 516-523.	7.9	29
40	Robust stability analysis of networked systems with varying delays. International Journal of Control, 2009, 82, 2347-2355.	1.9	28
41	Convex Voronoi-inspired space partitioning for heterogeneous networks: a coverage-oriented approach. IET Control Theory and Applications, 2010, 4, 2802-2812.	2.1	28
42	Towards a high-end unmanned tri-TiltRotor: design, modeling and hover control. , 2012, , .		28
43	Experiments in identification and control of flexible-link manipulators. Control Systems Magazine, 1990, 10, 41-46.	0.0	27
44	Robust stability bounds for networked controlled systems with unknown, bounded and varying delays. IET Control Theory and Applications, 2009, 3, 270-280.	2.1	27
45	Constrained-control of a quadrotor helicopter for trajectory tracking under wind-gust disturbances. , 2010, , .		27
46	A Component-Based Approach to the Design of Networked Control Systems. European Journal of Control, 2007, 13, 261-279.	2.6	26
47	Experimental controller tuning and QoS optimization of a wireless transmission scheme for real-time remote control applications. Control Engineering Practice, 2008, 16, 333-346.	5.5	26
48	Internet-based client/server virtual instrument designs for real-time remote-access control engineering laboratory. , 1999, , .		24
49	Constrained optimal attitude control of a quadrotor helicopter subject to wind-gusts: Experimental studies. , 2010, , .		23
50	Experimental model predictive attitude tracking control of a quadrotor helicopter subject to wind-gusts. , 2010, , .		23
51	Cooperative positioning/orientation control of mobile heterogeneous anisotropic sensor networks for area coverage. , 2014, , .		23
52	Uniform coverage structural inspection pathâ€"planning for micro aerial vehicles. , 2015, , .		23
53	Distributed infrastructure inspection path planning for aerial robotics subject to time constraints. , 2016, , .		23
54	Intelligent Robust Controller Design for a Micro-actuator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2006, 47, 299-315.	3.4	22

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55	Experimental constrained optimal attitude control of a quadrotor subject to wind disturbances. International Journal of Control, Automation and Systems, 2014, 12, 1289-1302.	2.7	22
56	Technical Activities Execution with a TiltRotor UAS employing Explicit Model Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11036-11042.	0.4	22
57	Model predictive control scheme for the autonomous flight of an unmanned quadrotor. , 2011, , .		21
58	Hybrid model predictive flight mode conversion control of unmanned Quad-TiltRotors. , 2013, , .		21
59	Impact Analysis of a Bias Injection Cyber-Attack on a Power Plant. IFAC-PapersOnLine, 2017, 50, 11094-11099.	0.9	19
60	Voronoi-based coverage optimization for mobile networks with limited sensing range - A directional search approach. , 2009, , .		18
61	Design and experimental evaluation of an innovative SMA-based tendon-driven redundant endoscopic robotic surgical tool. , 2011, , .		18
62	Adaptive Input Shaping for Nonlinear Systems: A Case Study. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 219-223.	1.6	17
63	Robust output feedback control of networked systems. , 2007, , .		17
64	Adaptive Compression of Slowly Varying Images Transmitted over Wireless Sensor Networks. Sensors, 2010, 10, 7170-7191.	3.8	17
65	Modeling and control simulation of an unmanned Tilt Tri-Rotor Aerial vehicle. , 2012, , .		17
66	Fault Detection based on Orthotopic Set Membership Identification for Robot Manipulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 7344-7349.	0.4	16
67	A dual scheme for compression and restoration of sequentially transmitted images over Wireless Sensor Networks. Ad Hoc Networks, 2013, 11, 410-426.	5.5	16
68	Visibility-oriented coverage control of mobile robotic networks on non-convex regions. , 2014, , .		16
69	Distributed area coverage control with imprecise robot localization. International Journal of Advanced Robotic Systems, 2018, 15, 172988141879749.	2.1	16
70	Set-theoretic detection of data corruption attacks on cyber physical power systems. Journal of Modern Power Systems and Clean Energy, 2018, 6, 872-886.	5.4	16
71	Coverage-oriented coordination of mobile heterogeneous networks. , 2011, , .		15
72	Adaptive Control Approaches for an Unmanned Aerial Manipulation System. , 2020, , .		15

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73	Multi-hopping Induced Gain Scheduling for Wireless Networked Controlled Systems. , 0, , .		14
74	Modelling issues and aggressive robust load frequency control of interconnected electric power systems. International Journal of Control, 2022, 95, 753-767.	1.9	14
75	Constrained Optimal Control over Networks with Uncertain Delays. , 2006, , .		13
76	Decentralized Swarm Coordination: A Combined Coverage/Connectivity Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 64, 603-623.	3.4	13
77	Fault diagnosis based on set membership identification using output–error models. International Journal of Adaptive Control and Signal Processing, 2016, 30, 224-255.	4.1	13
78	Distributed area coverage control with imprecise robot localization. , 2016, , .		13
79	Visual Area Coverage by Heterogeneous Aerial Agents Under Imprecise Localization. , 2018, 2, 623-628.		13
80	Hierarchical energy efficient routing in Wireless Sensor Networks. , 2008, , .		12
81	Distributed coverage using geodesic metric for non-convex environments. , 2013, , .		12
82	Design and Implementation of a Binary Redundant Manipulator With Cascaded Modules1. Journal of Mechanisms and Robotics, 2016, 8, .	2.2	12
83	Modeling and control aspects of a UAV with an attached manipulator. , 2016, , .		12
84	Deep Learning-based Visual Tracking of UAVs using a PTZ Camera System. , 2019, , .		12
85	Leader/Follower Force Control of Aerial Manipulators. IEEE Access, 2021, 9, 17584-17595.	4.2	12
86	An adaptive UAV positioning model for sustainable smart transportation. Sustainable Cities and Society, 2022, 78, 103617.	10.4	12
87	Fault detection for jump discrete systems. , 1999, , .		11
88	Covert attack on a discrete-time system with limited use of the available disruption resources. , 2015, , .		11
89	Development of an SMA-actuated redundant robotic platform for minimally invasive surgery. , 2016, , .		11
90	Mobile robot navigation in unknown environment based on exploration principles. , 2016, , .		11

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91	Adaptive Constrained Control of Uncertain ARMA-Systems based on Set Membership Identification. , 2006, , .		10
92	A hybrid scheme for video transmission over wireless multimedia sensor networks. , 2009, , .		10
93	Experimental Study of a Shape Memory Alloy Actuation System for a Novel Prosthetic Hand. , 0, , .		10
94	A literature review on modeling and control design for electrostatic microactuators with fringing and squeezed film damping effects. , 2010, , .		10
95	Distributed Control of Mobile Sensor Networks under RF Connectivity Constraints. International Journal of Distributed Sensor Networks, 2012, 8, 741821.	2.2	10
96	Design of an innovative prosthetic hand with compact shape memory alloy actuators. , 2013, , .		10
97	Distributed visibility-based coverage using a swarm of UAVs in known 3D-terrains. , 2014, , .		10
98	Aerial robotic tracking of a generalized mobile target employing visual and spatio-temporal dynamic subject perception. , 2015, , .		10
99	Cyber-attack on a power plant using bias injected measurements. , 2017, , .		10
100	Adaptive performance/ robust control design using orthotopic set membership identification for low-dimensional systems. International Journal of Adaptive Control and Signal Processing, 1997, 11, 649-663.	4.1	9
101	An adaptive input shaping technique for the suppression of payload swing in three-dimensional overhead cranes with hoisting mechanism. , 2007, , .		9
102	Relative Pose Estimation of Unmanned Aerial Systems. , 2018, , .		9
103	Collaborative visual area coverage using aerial agents equipped with PTZ-cameras under localization uncertainty. , 2019, , .		9
104	Deep learning assisted visual tracking of evader-UAV. , 2021, , .		9
105	Weighted minimum uncertainty prediction control. Automatica, 1996, 32, 793-795.	5.0	8
106	Constrained Finite Time Control of Networked Systems with Uncertain Delays. , 2006, , .		8
107	Robust control design for an uncertain electrostatic micro-mechanical system via loop shaping. , 2007, , .		8
108	Experimental verification of an adaptive input shaping scheme for hoisting cranes. , 2009, , .		8

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109	LMI-region pole placement control scheme for an electrostatically actuated micro Cantilever Beam. , 2010, , .		8
110	Large object pushing via a direct longitudinally-actuated unmanned Tri-TiltRotor. , 2013, , .		8
111	Linear Quadratic optimal position control for an unmanned Tri-TiltRotor. , 2013, , .		8
112	Robust explicit model predictive flight control of unmanned rotorcrafts: Design and experimental evaluation. , 2014, , .		8
113	Set-Theoretic Detection of Bias Injection Cyber-Attacks on Networked Power Systems. , 2018, , .		8
114	Neural network design with genetic learning for control of a single link flexible manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 15, 135-151.	3.4	7
115	Reconfigurable internal model control based on adaptive lattice filtering. Mathematics and Computers in Simulation, 2002, 60, 303-314.	4.4	7
116	Modeling Approaches and Robust Stability Conditions for Networked Controlled Systems with Uncertain Delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 6353-6358.	0.4	7
117	MULTIâ€HOPPING INDUCED GAIN SCHEDULING FOR WIRELESS NETWORKED CONTROLLED SYSTEMS. Asian Journal of Control, 2007, 9, 450-457.	3.0	7
118	Serpentine motion control of snake robots for curvature and heading based trajectory - parameterization. , 2012, , .		7
119	Connectivity-aware coordination of robotic networks for area coverage optimization. , 2012, , .		7
120	Force control design for a robot manipulator attached to a UAV. IFAC-PapersOnLine, 2018, 51, 548-553.	0.9	7
121	Aerial Worker for Skyscraper Fire Fighting using a Water-Jetpack Inspired Approach. , 2020, , .		7
122	Application of set membership identification for fault detection of MEMS. , 0, , .		6
123	Fault Detection using Set Membership Identification for Micro-Electrostatic Actuators. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	6
124	On the modeling of networked controlled systems. , 2007, , .		6
125	Utilization of mobile agents for Voronoi-based heterogeneous wireless sensor network reconfiguration. , 2007, , .		6
126	Mobile robot odometry relying on data fusion from RF and ultrasound measurements in a wireless sensor framework. , 2008, , .		6

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127	Modeling aspects and gain scheduled H<inf>&#x221E;</inf>controller design for an electrostatic micro-actuator with squeezed gas film damping effects. , 2009, , .		6
128	LPV modeling of guided projectiles for terminal guidance. , 2010, , .		6
129	Trajectory optimization satisfying the robot's kinodynamic constraints for obstacle avoidance. , 2012, , .		6
130	Autonomous deployment of heterogeneous mobile agents with arbitrarily anisotropic sensing patterns. , 2012, , .		6
131	Distributed coverage of mobile heterogeneous networks in non-convex environments. , 2013, , .		6
132	Adversary control strategies for discrete-time systems. , 2014, , .		6
133	Aggressive Control Design for Electric Power Generation Plants. , 2018, , .		6
134	Fuzzy Neural Network Control for a Single Flexible-Link Manipulator. Journal of Intelligent and Fuzzy Systems, 1993, 1, 319-334.	1.4	5
135	Linear Quadratic Frequency-Shaped Implicit Force Control of Flexible Link Manipulators. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1997, 119, 405-411.	1.6	5
136	An integrated power aware system for robotic-based lunar exploration. , 2007, , .		5
137	Application of adaptive lattice filters for modal parameter tracking of a single flexible link carrying a shifting payload. Mechanical Systems and Signal Processing, 2010, 24, 1338-1348.	8.0	5
138	Fault Detection and Diagnosis relying on Set Membership Identification for time varying systems. , 2010, , .		5
139	Switching Model Predictive Control for a Quadrotor Helicopter under Severe Environmental Flight Conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11913-11918.	0.4	5
140	Linear quadratic optimal trajectory-tracking control of a longitudinal thrust vectoring-enabled unmanned Tri-TiltRotor. , 2013, , .		5
141	Geodesic motion planning on 3D-terrains satisfying the robot's kinodynamic constraints. , 2013, , .		5
142	Sliding mode-based control of thin Shape Memory Alloy actuators using a spatial hysteresis approximation. Mechatronics, 2016, 40, 115-127.	3.3	5
143	Adversarial control scheme for an islanded power plant. , 2016, , .		5
144	Mobile Robot Navigation Under Pose Uncertainty in Unknown Environments * *This work has received funding from the European Union Horizon 2020 Research and Innovation Programme under the Grant Agreement No. 644128, AEROWORKS.. IFAC-PapersOnLine, 2017, 50, 12710-12714.	0.9	5

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145	Synergistic exploration and navigation of mobile robots under pose uncertainty in unknown environments. International Journal of Advanced Robotic Systems, 2018, 15, 172988141775078.	2.1	5
146	Mobile Robot Tour Scheduling acting as Data Mule in a Wireless Sensor Network. , 2018, , .		5
147	Hybrid Detection of Intermittent Cyber-Attacks in Networked Power Systems. Energies, 2019, 12, 4625.	3.1	5
148	A hybrid frequency?time domain adaptive fuzzy control scheme for flexible link manipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 1994, 10, 283-300.	3.4	4
149	Recent developments in a mechatronics-oriented design project laboratory. IEEE Control Systems, 1997, 17, 72-79.	0.8	4
150	Fuzzy Neural Network Control for DC-Motor Micromaneuvering. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1997, 119, 312-315.	1.6	4
151	Adaptive weighted minimum prediction uncertainty control. International Journal of Control, 1997, 68, 657-672.	1.9	4
152	Modeling, plant uncertainties, and fuzzy logic sliding control of gaseous systems. IEEE Transactions on Control Systems Technology, 1999, 7, 42-55.	5.2	4
153	LQR-output feedback gain scheduling of mobile networked controlled systems. , 2004, , .		4
154	Experimental controller timing and QoS optimization of a wireless transmission scheme for real-time remote control applications. , 0, , .		4
155	Constrained Optimal Control for a Special class of Networked Systems. Proceedings of the American Control Conference, 2007, , .	0.0	4
156	Robust PID Controller Design for a micro-Actuator with Squeezed Gas Film Damping Effects. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5423-5428.	0.4	4
157	Decentralized communication range adjustment issues in multi-agent mobile networks. , 2010, , .		4
158	H â^ž Closed-Loop Control for Uncertain Discrete Input-Shaped Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2010, 132, .	1.6	4
159	Fault Detection and Diagnosis based on Parameter Set Estimation for measurements corrupted by bounded noise. , 2010, , .		4
160	Resonant Fluid Actuator: Modeling, Identification, and Control. IEEE Transactions on Control Systems Technology, 2013, 21, 852-860.	5.2	4
161	Mobile robot trajectory planning for large volume data-muling from wireless sensor nodes. , 2017, , .		4
162	Experimental studies on distributed control for area coverage using mobile robots. , 2017, , .		4

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163	Cooperative visual convex area coverage using a tessellation-free strategy. , 2017, , .		4
164	Model based design of antagonistic shape memory alloy spring devices. Journal of Intelligent Material Systems and Structures, 2018, 29, 2619-2640.	2.5	4
165	Tightly Coupled Semantic RGB-D Inertial Odometry for Accurate Long-Term Localization and Mapping. , 2019, , .		4
166	Distributed control of mobile robots in an environment with static obstacles. IET Cyber-Systems and Robotics, 2021, 3, 128-139.	1.8	4
167	Autonomous Robotic Aerial Tracking, Avoidance, and Seeking of a Mobile Human Subject. Lecture Notes in Computer Science, 2015, , 444-454.	1.3	4
168	Collaborative mapping and navigation for a mobile robot swarm. , 2017, , .		4
169	Development and experimental verification of a mobile client-centric networked controlled system. , 2003, , .		4
170	Robust stability analysis of Networked Systems with varying delays. , 2009, , .		4
171	APPLICATION OF FREQUENCY DOMAIN ADAPTIVE INFINITE IMPULSE RESPONSE FILTERING FOR IDENTIFICATION OF FLEXIBLE STRUCTURE DYNAMICS. Mechanical Systems and Signal Processing, 1996, 10, 65-91.	8.0	3
172	Sufficient stability conditions for the weighted minimum uncertainty prediction controller. Automatica, 1997, 33, 2273-2275.	5.0	3
173	An integrated system based on Web and/or WAP framework for remote monitoring and control of industrial processes. , 0, , .		3
174	Adaptive Input Shaping for Nonlinear Systems: A Case Study. , 0, , .		3
175	On mobile agent positioning for wireless network reconfiguration. , 2008, , .		3
176	Modeling and analysis of the squeezed film damping effect on electrostatic microactuators. , 2008, , .		3
177	Convex Voronoi space-partitioning for coverage purposes in heterogeneous sensor networks. , 2009, , .		3
178	Modeling and identification of a resonance fluid actuator. , 2009, , .		3
179	Fault-Detection relying on Set-Membership techniques for an Atomic Force Microscope. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1186-1191.	0.4	3
180	Robust proportionalâ€"integralâ€"derivative controller design for an electrostatic micro-actuator with measurement uncertainties. IET Control Theory and Applications, 2010, 4, 2793-2801.	2.1	3

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181	Modelling and Adaptive Control of Nanowire-Driven Micromanipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 62, 419-450.	3.4	3
182	A dual scheme for secured Multimedia Wireless Sensor Network. , 2011, , .		3
183	Design of a robust controller and modeling aspects of a micro cantilever beam with fringing and squeezed gas film damping effects. Mechatronics, 2013, 23, 67-79.	3.3	3
184	Trajectory control of an unmanned Tri-TiltRotor in hover flight via direct longitudinal actuation. , 2013, , .		3
185	Modelling and Control of Hyper-Redundant Micromanipulators for Obstacle Avoidance in an Unstructured Environment. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 517-528.	3.4	3
186	Experimental studies on a fuzzy-logic control scheme for an Ultrasonic Motor. , 2016, , .		3
187	Design and antagonistic control of a tendon-driven Minimally Invasive Surgical robotic tool. , 2016, , .		3
188	Load frequency control for demand disturbance attenuation and transient response improvement for a single-area power plant. , 2017, , .		3
189	CHAT: Clustered hierarchical key management for wireless sensor networks using network topology. International Journal of Distributed Sensor Networks, 2017, 13, 155014771774157.	2.2	3
190	Path Planning and Task Assignment for Data Retrieval from Wireless Sensor Nodes Relying on Game-Theoretic Learning. , 2018, , .		3
191	UAV-deployment for city-wide area coverage and computation of optimal response trajectories. , 2020, , .		3
192	Relative Spherical-Visual Localization for Cooperative Unmanned Aerial Systems. , 2021, , .		3
193	Modeling and Gain Scheduling Design for an Electrostatic Micro-Actuator with Squeezed Film Damping Effects. Micro and Nanosystems, 2009, 1, 234-241.	0.6	3
194	Development of a Versatile Modular Platform for Aerial Manipulators. , 0, , .		3
195	Maximum Allowable Time Delay for Aggressive Load Frequency Control of Networked Electric Power Systems. , 2021, , .		3
196	Visual Collaboration Leader-Follower UAV-Formation for Indoor Exploration. Frontiers in Robotics and AI, 2021, 8, 777535.	3.2	3
197	Robust control design issues for input-shaped discrete systems. , 0, , .		2
198	Experimental design, development and visual-servoing of a shape memory alloy actuated finger. , 0, , .		2

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199	TCP performance measurements in IEEE 802.11b-based wireless LANs. , 0, , .		2
200	Intelligent Robust Controller Design for a Micro-Actuator. , 0, , .		2
201	Robot-Assisted Target Localization using a Cooperative Scheme relying on Wireless Sensor Networks. , 2006, , .		2
202	Adaptive Pulse Width/Phase Modulated Controller for a High Frequency Active Electro-Hydraulic Pump System. , 2006, , .		2
203	Robust PID-control design for an electrostatic micromechanical? actuator with structured uncertainty. , 2007, , .		2
204	Application of adaptive lattice filters to internal model control. International Journal of Adaptive Control and Signal Processing, 2008, 22, 569-589.	4.1	2
205	Robust stability bounds for networked systems with varying delays. , 2009, , .		2
206	An Application of the Inpainting Algorithm for Recovering Packet Losses from Transmitting Sequential Quad Tree Compressed Images Over Wireless Sensor Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 514-519.	0.4	2
207	Autopilot strategies of guided projectiles for terminal guidance. , 2011, , .		2
208	Design and development of a hyper-redundant binary active laparoscopic manipulator. , 2012, , .		2
209	Revisited Dos Samara Unmanned Aerial Vehicle: Design and control. , 2012, , .		2
210	Inspection Operations Using an Aerial Robot Powered-over-Tether by a Ground Vehicle. Lecture Notes in Computer Science, 2015, , 455-465.	1.3	2
211	Design and experimental evaluation of a tendon-driven minimally invasive surgical robotic tool with antagonistic control. , 2017, , .		2
212	Dynamics and control of an Unmanned Aerial Vehicle employing a delta-manipulator. , 2017, , .		2
213	Mobile Robot Trajectory Generation from Ordered Point-Set Using Time-Optimal Bezier Segments. , 2018, , .		2
214	Set-Induced Anomaly Detectors for Networked Power Systems under Bias Injection Cyber-Attacks. , 2018, , .		2
215	Development of a Tendon-Driven Robotic Tool Targeting Visual-Servoing Minimally-Invasive Surgical Operations. , 2018, , .		2
216	Computationally Efficient RGB-T UAV Detection and Tracking System. , 2021, , .		2

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217	Design and Control of a Robotic Platform for Dexterous Minimally Invasive Surgical Applications. International Review of Automatic Control, 2017, 10, 443.	0.3	2
218	Transfer function identification of a single flexible link via adaptive lattice filters. , 0, , .		1
219	Position and swing control of a pneumatic pendulum system. , 0, , .		1
220	MANET-Issues and their Effects on Control Applications. , 0, , .		1
221	Robust PID Control for a Micro-Actuator with Structural Uncertainty. , 2006, , .		1
222	Synergy between control and electronic simulation models in performance system enhancement. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
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