

Aria Alasty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5436569/publications.pdf>

Version: 2024-02-01

225
papers

2,888
citations

147786

31
h-index

265191

42
g-index

225
all docs

225
docs citations

225
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-form solutions of the pull-in instability in nano-cantilevers under electrostatic and intermolecular surface forces. <i>International Journal of Solids and Structures</i> , 2007, 44, 4925-4941.	2.7	168
2	Adaptive robust attitude control of a flexible spacecraft. <i>International Journal of Robust and Nonlinear Control</i> , 2006, 16, 287-302.	3.7	80
3	Adaptive synchronization of two chaotic systems with stochastic unknown parameters. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 508-519.	3.3	75
4	Analytical investigation and numerical verification of Casimir effect on electrostatic nano-cantilevers. <i>Microsystem Technologies</i> , 2007, 14, 145-157.	2.0	60
5	Stabilizing periodic orbits of chaotic systems using fuzzy adaptive sliding mode control. <i>Chaos, Solitons and Fractals</i> , 2008, 37, 1125-1135.	5.1	53
6	Nonlinear feedback control of chaotic pendulum in presence of saturation effect. <i>Chaos, Solitons and Fractals</i> , 2007, 31, 292-304.	5.1	49
7	Influence of van der Waals force on the pull-in parameters of cantilever type nanoscale electrostatic actuators. <i>Microsystem Technologies</i> , 2006, 12, 1153-1161.	2.0	47
8	Controlling the chaos using fuzzy estimation of OGY and Pyragas controllers. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 379-392.	5.1	45
9	Nonlinear forced vibration of strain gradient microbeams. <i>Applied Mathematical Modelling</i> , 2013, 37, 8363-8382.	4.2	45
10	Closed-form approximation and numerical validation of the influence of van der Waals force on electrostatic cantilevers at nano-scale separations. <i>Nanotechnology</i> , 2008, 19, 015501.	2.6	44
11	Chaos synchronization of nonlinear gyros in presence of stochastic excitation via sliding mode control. <i>Journal of Sound and Vibration</i> , 2008, 313, 760-771.	3.9	43
12	An IPMC-made deformable-ring-like robot. <i>Smart Materials and Structures</i> , 2012, 21, 065011.	3.5	43
13	PID-Fuzzy control of air handling units in the presence of uncertainty. <i>International Journal of Thermal Sciences</i> , 2016, 109, 123-135.	4.9	42
14	Pull-in parameters of cantilever type nanomechanical switches in presence of Casimir force. <i>Nonlinear Analysis: Hybrid Systems</i> , 2007, 1, 364-382.	3.5	41
15	Control of stochastic chaos using sliding mode method. <i>Journal of Computational and Applied Mathematics</i> , 2009, 225, 135-145.	2.0	40
16	Experimental kinematic calibration of parallel manipulators using a relative position error measurement system. <i>Robotics and Computer-Integrated Manufacturing</i> , 2010, 26, 799-804.	9.9	40
17	Computing the blood brain barrier (BBB) diffusion coefficient: A molecular dynamics approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 410, 187-197.	2.3	40
18	Stability analysis and nonlinear control of a miniature shape memory alloy actuator for precise applications. <i>Mechatronics</i> , 2005, 15, 471-486.	3.3	39

#	ARTICLE	IF	CITATIONS
19	Chaotic motions and fractal basin boundaries in spring-pendulum system. <i>Nonlinear Analysis: Real World Applications</i> , 2006, 7, 81-95.	1.7	39
20	Adaptive chaos synchronization in Chua's systems with noisy parameters. <i>Mathematics and Computers in Simulation</i> , 2008, 79, 233-241.	4.4	38
21	Adaptive optimal multi-critic based neuro-fuzzy control of MIMO human musculoskeletal arm model. <i>Neurocomputing</i> , 2016, 173, 1529-1537.	5.9	38
22	On the general Kalman filter for discrete time stochastic fractional systems. <i>Mechatronics</i> , 2013, 23, 764-771.	3.3	37
23	Neural optimal control of flexible spacecraft slew maneuver. <i>Acta Astronautica</i> , 2004, 55, 817-827.	3.2	36
24	Parameter estimation and interval type-2 fuzzy sliding mode control of a z-axis MEMS gyroscope. <i>ISA Transactions</i> , 2013, 52, 900-911.	5.7	36
25	Nonlinear dynamics and control of bifurcation to regulate the performance of a boiler-turbine unit. <i>Energy Conversion and Management</i> , 2013, 68, 105-113.	9.2	36
26	Chaos control in AFM systems using nonlinear delayed feedback via sliding mode control. <i>Nonlinear Analysis: Hybrid Systems</i> , 2008, 2, 993-1001.	3.5	35
27	Application of particle swarm optimization in chaos synchronization in noisy environment in presence of unknown parameter uncertainty. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 742-753.	3.3	35
28	On the fractional-order extended Kalman filter and its application to chaotic cryptography in noisy environment. <i>Applied Mathematical Modelling</i> , 2014, 38, 961-973.	4.2	35
29	Optimal Magnetic Field for Crossing Super-Para-Magnetic Nanoparticles through the Brain Blood Barrier: A Computational Approach. <i>Biosensors</i> , 2016, 6, 25.	4.7	34
30	Human Arm Motion Tracking by Inertial/Magnetic Sensors Using Unscented Kalman Filter and Relative Motion Constraint. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 90, 161-170.	3.4	33
31	Human Arm Motion Tracking by Orientation-Based Fusion of Inertial Sensors and Kinect Using Unscented Kalman Filter. <i>Journal of Biomechanical Engineering</i> , 2016, 138, .	1.3	32
32	Design of a large-scale cable-driven robot with translational motion. <i>Robotics and Computer-Integrated Manufacturing</i> , 2011, 27, 357-366.	9.9	31
33	Tip tracking control of a micro-cantilever Timoshenko beam via piezoelectric actuator. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 1561-1574.	2.6	31
34	INS-DVL Navigation Improvement Using Rotational Motion Dynamic Model of AUV. <i>IEEE Sensors Journal</i> , 2020, 20, 14329-14336.	4.7	31
35	Chaos synchronization in noisy environment using nonlinear filtering and sliding mode control. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 1295-1304.	5.1	29
36	Chaos control in an economic model via minimum entropy strategy. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 839-847.	5.1	29

#	ARTICLE	IF	CITATIONS
37	Effects of Rotary Inertia and Shear Deformation on Nonlinear Free Vibration of Microbeams. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 611-615.	1.6	27
38	Control of chaos in atomic force microscopes using delayed feedback based on entropy minimization. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 637-644.	3.3	27
39	How local slopes stabilize passive bipedal locomotion?. Mechanism and Machine Theory, 2016, 100, 63-82.	4.5	27
40	Workspace Analysis of a Three DOF Cable-Driven Mechanism. Journal of Mechanisms and Robotics, 2009, 1, .	2.2	26
41	Boundary control of anti-symmetric vibration of satellite with flexible appendages in planar motion with exponential stability. Acta Astronautica, 2018, 147, 219-230.	3.2	25
42	Boundary control of flexible satellite vibration in planar motion. Journal of Sound and Vibration, 2018, 432, 549-568.	3.9	24
43	Synchronization of chaotic systems with parameter uncertainties via variable structure control. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 17-21.	2.1	23
44	Stabilizing unstable fixed points of chaotic maps via minimum entropy control. Chaos, Solitons and Fractals, 2008, 37, 763-769.	5.1	23
45	Robust distributed control of spacecraft formation flying with adaptive network topology. Acta Astronautica, 2017, 136, 281-296.	3.2	23
46	Stabilizing periodic orbits of chaotic systems using fuzzy control of Poincaré map. Chaos, Solitons and Fractals, 2008, 36, 682-693.	5.1	22
47	Robust fault tolerant explicit model predictive control. Automatica, 2018, 97, 248-253.	5.0	22
48	Stability analysis of a new class of MEMS gyroscopes with parametric resonance. Acta Mechanica, 2012, 223, 1169-1185.	2.1	21
49	Adaptive critic-based neuro-fuzzy controller in multi-agents: Distributed behavioral control and path tracking. Neurocomputing, 2012, 88, 24-35.	5.9	21
50	Boundary stabilization of non-classical micro-scale beams. Applied Mathematical Modelling, 2013, 37, 8709-8724.	4.2	21
51	Exact boundary controllability of vibrating non-classical Euler-Bernoulli micro-scale beams. Journal of Mathematical Analysis and Applications, 2014, 418, 985-997.	1.0	21
52	Chaos control in delayed phase space constructed by the Takens embedding theory. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 453-465.	3.3	21
53	Adaptive control of chaotic systems with stochastic time varying unknown parameters. Chaos, Solitons and Fractals, 2008, 38, 168-177.	5.1	20
54	Satellite attitude control using three reaction wheels. , 2008, , .		20

#	ARTICLE	IF	CITATIONS
55	A comparison between the minimum-order & full-order observers in robust control of the air handling units in the presence of uncertainty. <i>Energy and Buildings</i> , 2015, 91, 115-130.	6.7	20
56	Lyapunov-Based Boundary Control of Strain Gradient Microscale Beams With Exponential Decay Rate. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2015, 137, .	1.6	19
57	A Second-Order Sliding Mode Observer for Fault Detection and Isolation of Turbocharged SI Engines. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 7795-7803.	7.9	19
58	Hybrid Active Noise Control of a One-Dimensional Acoustic Duct. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2002, 124, 10-18.	1.6	18
59	Calibration of parallel kinematic machine tools using mobility constraint on the tool center point. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 531-539.	3.0	18
60	On the control of chaos via fractional delayed feedback method. <i>Computers and Mathematics With Applications</i> , 2011, 62, 1482-1491.	2.7	18
61	Optimum synthesis of fuzzy logic controller for trajectory tracking by differential evolution. <i>Scientia Iranica</i> , 2011, 18, 261-267.	0.4	18
62	Stabilizing unstable fixed points of discrete chaotic systems via quasi-sliding mode method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 839-849.	3.3	17
63	Multi-variable control of chaos using PSO-based minimum entropy control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 2397-2404.	3.3	17
64	Equations of Motion of a Single-Wheel Robot in a Rough Terrain. , 0, , .		16
65	Delayed feedback control via minimum entropy strategy in an economic model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 851-860.	2.6	16
66	Controlling chaos in tapping mode atomic force microscopes using improved minimum entropy control. <i>Applied Mathematical Modelling</i> , 2013, 37, 1599-1606.	4.2	16
67	Design and real-time experimental implementation of gain scheduling pid fuzzy controller for hybrid stepper motor in micro-step operation. , 0, , .		14
68	Chaos control in uncertain dynamical systems using nonlinear delayed feedback. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 67-71.	5.1	14
69	A different switching surface stabilizing an existing unstable periodic gait: an analysis based on perturbation theory. <i>Nonlinear Dynamics</i> , 2015, 81, 2127-2140.	5.2	14
70	Hybrid control of a three-pole active magnetic bearing. <i>Mechatronics</i> , 2016, 39, 28-41.	3.3	14
71	Kinematic and dynamic sensitivity analysis of a three-axis rotary table. , 0, , .		13
72	Combined action of Casimir and electrostatic forces on nanocantilever arrays. <i>Acta Mechanica</i> , 2010, 212, 305-317.	2.1	13

#	ARTICLE	IF	CITATIONS
73	Toward Epileptic Brain Region Detection Based on Magnetic Nanoparticle Patterning. <i>Sensors</i> , 2015, 15, 24409-24427.	3.8	13
74	Implementation of Translational Motion Dynamics for INS Data Fusion in DVL Outage in Underwater Navigation. <i>IEEE Sensors Journal</i> , 2021, 21, 6652-6659.	4.7	13
75	Estimation of Water Coverage Ratio in Low Temperature PEM-Fuel Cell Using Deep Neural Network. <i>IEEE Sensors Journal</i> , 2020, 20, 10679-10686.	4.7	13
76	Nonlinear parametric identification of magnetic bearings. <i>Mechatronics</i> , 2006, 16, 451-459.	3.3	12
77	Minimum entropy control of chaos via online particle swarm optimization method. <i>Applied Mathematical Modelling</i> , 2012, 36, 3931-3940.	4.2	12
78	Nonlinear robust control of air handling units to improve the indoor air quality & CO2 concentration: A comparison between H \hat{a} z & decoupled sliding mode controls. <i>Applied Thermal Engineering</i> , 2019, 160, 113958.	6.0	12
79	Control of a Nonlinear Boiler-Turbine Unit Using Two Methods: Gain Scheduling and Feedback Linearization. , 2007, , 491.		11
80	Delayed feedback control of chaotic spinning disk via minimum entropy approach. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 3273-3280.	1.1	11
81	On the fuzzy minimum entropy control to stabilize the unstable fixed points of chaotic maps. <i>Applied Mathematical Modelling</i> , 2011, 35, 1016-1023.	4.2	11
82	Nonlinear dynamics, bifurcation and performance analysis of an air-handling unit: Disturbance rejection via feedback linearization. <i>Energy and Buildings</i> , 2013, 56, 150-159.	6.7	11
83	Optimal-time quadcopter descent trajectories avoiding the vortex ring and autorotation states. <i>Mechatronics</i> , 2020, 68, 102362.	3.3	11
84	Robust adaptive backstepping control of uncertain Lorenz system. <i>Chaos</i> , 2010, 20, 023105.	2.5	10
85	Leader connectivity management and flocking velocity optimization using the particle swarm optimization method. <i>Scientia Iranica</i> , 2012, 19, 1251-1257.	0.4	10
86	Active leading through obstacles using ant-colony algorithm. <i>Neurocomputing</i> , 2012, 88, 67-77.	5.9	10
87	Modeling and simulation of crossing magnetic nanoparticles through Blood Brain Barrier (BBB). , 2014, 2014, 5280-3.		10
88	Linear optimal control of continuous time chaotic systems. <i>ISA Transactions</i> , 2014, 53, 1209-1215.	5.7	10
89	Asymptotic decay rate of non-classical strain gradient Timoshenko micro-cantilevers by boundary feedback. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 627-635.	1.5	10
90	Instability of nanocantilever arrays in electrostatic and van der Waals interactions. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 225506.	2.8	9

#	ARTICLE	IF	CITATIONS
91	On the linear-quadratic regulator problem in one-dimensional linear fractional stochastic systems. Automatica, 2014, 50, 282-286.	5.0	9
92	Stability improvement of a dynamic walking system via reversible switching surfaces. Multibody System Dynamics, 2018, 43, 349-367.	2.7	9
93	Exponential stabilization of flexural sway vibration of gantry crane via boundary control method. JVC/Journal of Vibration and Control, 2020, 26, 36-55.	2.6	9
94	Quadcopter Fast Pure Descent Maneuver Avoiding Vortex Ring State Using Yaw-Rate Control Scheme. IEEE Robotics and Automation Letters, 2021, 6, 927-934.	5.1	9
95	Flocking coordination using active leader and local information. Asian Journal of Control, 2011, 13, 797-808.	3.0	8
96	Stabilizing periodic orbits of fractional order chaotic systems via linear feedback theory. Applied Mathematical Modelling, 2012, 36, 863-877.	4.2	8
97	Real-time estimation of the volumetric efficiency in spark ignition engines using an adaptive sliding-mode observer. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 1925-1933.	1.9	8
98	Towards Real-Time Partially Self-Calibrating Pedestrian Navigation With an Inertial Sensor Array. IEEE Sensors Journal, 2020, 20, 6634-6641.	4.7	8
99	A Fast and Robust Magnetic Localization Technique Based on Elimination of the Orientation Variables From the Optimization. IEEE Sensors Journal, 2021, 21, 21885-21892.	4.7	8
100	Nonlinear Dynamic Analysis and Chaotic Behavior in Atomic Force Microscopy. , 2005, , 129.		7
101	Path planning for a hyper-redundant manipulator with lockable joints using PSO. , 2013, , .		7
102	Control oriented modeling of a radial turbine for a turbocharged gasoline engine. , 2013, , .		7
103	Nonlinear observer design for turbocharger in a SI engine. , 2013, , .		7
104	Suppression of harmonic perturbations and bifurcation control in tracking objectives of a boiler-turbine unit in power grid. Nonlinear Dynamics, 2014, 76, 1693-1709.	5.2	7
105	Boundary exponential stabilization of non-classical micro/nano beams subjected to nonlinear distributed forces. Applied Mathematical Modelling, 2016, 40, 2223-2241.	4.2	7
106	Dynamic analysis of magnetic nanoparticles crossing cell membrane. Journal of Magnetism and Magnetic Materials, 2017, 429, 372-378.	2.3	7
107	Dynamic stability and control of a novel handspringing robot. Mechanism and Machine Theory, 2019, 137, 154-171.	4.5	7
108	Optimization-based gravity-assisted calibration and axis alignment of 9-degrees of freedom inertial measurement unit without external equipment. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 192-207.	1.3	7

#	ARTICLE	IF	CITATIONS
109	Genetic Algorithm Based Parameter Identification of a Nonlinear Full Vehicle Ride Model. , 2002, , .		6
110	Stability Analysis of Robotic Swarm With Limited Field of View. , 2007, , .		6
111	Suppression of dynamic pull-in instability in electrostatically actuated strain gradient beams. , 2014, , .		6
112	Stochastic piecewise affine control with application to pitch control of helicopter. Nonlinear Analysis: Hybrid Systems, 2015, 15, 86-97.	3.5	6
113	Dynamic stability of a Hexaglide machine tool for milling processes. International Journal of Advanced Manufacturing Technology, 2016, 86, 1753-1762.	3.0	6
114	On the existence of proper stochastic Markov models for statistical reconstruction and prediction of chaotic time series. Chaos, Solitons and Fractals, 2019, 123, 373-382.	5.1	6
115	A motion capture algorithm based on inertia-Kinect sensors for lower body elements and step length estimation. Biomedical Signal Processing and Control, 2021, 64, 102290.	5.7	6
116	Inertial Motion Capture Accuracy Improvement by Kalman Smoothing and Dynamic Networks. IEEE Sensors Journal, 2021, 21, 3722-3729.	4.7	6
117	Vibration boundary control of Timoshenko micro-cantilever using piezoelectric actuators. Scientia Iranica, 2017, .	0.4	6
118	Nonlinear Dynamics of MicroResonators. Journal of Physics: Conference Series, 2006, 34, 961-966.	0.4	5
119	Implementation of dynamic programming for chaos control in discrete systems. Journal of Computational and Applied Mathematics, 2009, 233, 531-544.	2.0	5
120	Online velocity optimization of robotic swarm flocking using particle swarm optimization (PSO) method. , 2009, , .		5
121	Model-based air leak detection for turbocharged gasoline engines without a hot-film air mass flow meter sensor. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2014, 228, 1297-1314.	1.9	5
122	Control of Discrete Time Chaotic Systems via Combination of Linear and Nonlinear Dynamic Programming. Journal of Computational and Nonlinear Dynamics, 2015, 10, .	1.2	5
123	Detection and isolation of faults in the exhaust path of turbocharged automotive engines. International Journal of Automotive Technology, 2015, 16, 127-138.	1.4	5
124	ON THE CONTROL OF TUMOR GROWTH VIA TYPE-1 AND INTERVAL TYPE-2 FUZZY LOGIC. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550083.	0.7	5
125	Inverse and forward dynamics of N-3RPS manipulator with lockable joints. Robotica, 2016, 34, 1383-1402.	1.9	5
126	Admissibility and Exact Observability of Observation Operators for Micro-Beam Model: Time- and Frequency-Domain Approaches. IEEE Transactions on Automatic Control, 2017, 62, 6438-6444.	5.7	5

#	ARTICLE	IF	CITATIONS
127	Enhancing the Robustness of INS-DVL Navigation Using Rotational Model of AUV in the Presence of Model Uncertainty. IEEE Sensors Journal, 2022, 22, 10931-10939.	4.7	5
128	Chaos Control in Bonhoeffer-van der Pol System Using Fuzzy Estimation. , 2004, , 885.		4
129	Modeling and Control of Nonlinear Series Elastic Actuator. , 2007, , 127.		4
130	Identification and Control of Chaos Using Fuzzy Clustering and Sliding Mode Control in Unmodeled Affine Dynamical Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2008, 130, .	1.6	4
131	Air Leak Detection for a Turbocharged SI Engine using Robust Estimation of the Turbocharger Dynamics. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2014, 7, 157-165.	0.3	4
132	Modeling and Estimation of Unmeasured Variables in a Wastegate Operated Turbocharger. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	4
133	Observer based minimum variance control of uncertain piecewise affine systems subject to additive noise. Nonlinear Analysis: Hybrid Systems, 2016, 19, 153-167.	3.5	4
134	Active control of a passive bipedal walking robot. International Journal of Dynamics and Control, 2017, 5, 733-740.	2.5	4
135	Boundary Stabilization of a Cosserat Elastic Body. Asian Journal of Control, 2017, 19, 2219-2225.	3.0	4
136	Model identification of a Marine robot in presence of IMU-DVL misalignment using TUKF. Ocean Engineering, 2020, 206, 107344.	4.3	4
137	Force Control of Flexible Manipulators with Discontinuous Contact and Joint Friction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 553-558.	0.4	3
138	Unified predictive control of contact force in flexible link manipulators. , 0, , .		3
139	Chaos control of a sprout circuit using delayed feedback control: Experimental study. , 2007, , .		3
140	Stability Investigation of a Robotic Swarm with Limited Field of View. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 10794-10799.	0.4	3
141	Modeling, Control and Simulation of a New Large Scale Cable-Driven Robot. , 2009, , .		3
142	Vibration control of vehicle suspension system using adaptive critic-based neurofuzzy controller. , 2009, , .		3
143	Nonlinear Power Balance Control of a SPA hydraulic hybrid truck. , 2009, , .		3
144	A comparative study between linear and sliding mode adaptive controllers for a hot gas generator. Applied Thermal Engineering, 2010, 30, 413-424.	6.0	3

#	ARTICLE	IF	CITATIONS
145	On-Line Fault Detection and Isolation (FDI) for the Exhaust Path of a Turbocharged SI Engine. , 2013, , .		3
146	Rotation rate estimation in parametrically excited micro gyroscopes. Mechatronics, 2015, 31, 264-275.	3.3	3
147	MRI-guided epilepsy detection. , 2015, 2015, 4001-4.		3
148	Modeling and Fuzzy Control of One-legged Somersaulting Robot. , 2018, , .		3
149	Boundary control of a vertical nonlinear flexible manipulator considering disturbance observer and deflection constraint with torque and boundary force feedback signals. International Journal of Systems Science, 2022, 53, 704-725.	5.5	3
150	Multi-Channel Adaptive Feedforward Control of Noise in an Acoustic Duct. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2004, 126, 406-415.	1.6	2
151	Dynamic modeling of a new varying stress SMA actuator for precise applications. , 0, , .		2
152	Maneuverability Improvement for an Ultra Light Airplane Model Using Variable Shape Wing. , 2004, , .		2
153	Fatigue Life Assessment Approach to Ride Comfort Optimization of a Passenger Car under Random Road Execution Conditions. , 0, , .		2
154	Propulsion control of a solid fuel ramjet using a robust adaptive neural controller. , 0, , .		2
155	Design of a supervisory controller for CLOS guidance with lead angle. Aircraft Engineering and Aerospace Technology, 2006, 78, 395-406.	0.8	2
156	Comments on "œidentification of a nonlinear electromagnetic system: An experimental study" Journal of Sound and Vibration, 2006, 290, 1333-1334.	3.9	2
157	Spring-Mass Jumping of Underactuated Biped Robots. , 2007, , 1923.		2
158	Kinematics and Singularity Analysis of the Hexaglide Parallel Robot. , 2008, , .		2
159	Stabilization of Biped Walking Robot Using the Energy Shaping Method. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	1.2	2
160	Swarm aggregation using emotional learning based intelligent controller. , 2009, , .		2
161	Introducing Structural Approximation Method for Modeling Nanostructures. Journal of Computational and Theoretical Nanoscience, 2010, 7, 423-428.	0.4	2
162	Modeling of tail dynamic behavior and trajectory control of a Fish-Robot using fuzzy logic. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
163	Observer based feedback control of a biodynamical model of tumor growth with sampled measurements. , 2016, , .		2
164	Decentralized aggregation and leader-following control of a swarm of quadcopters with nonlinear under-actuated dynamics. Aerospace Science and Technology, 2020, 107, 106317.	4.8	2
165	Introducing shell formation and a thermodynamics-inspired concept for swarm robotic systems. Robotics and Autonomous Systems, 2022, 148, 103939.	5.1	2
166	An exact-model based unified predictive force control of flexible manipulators. , 1996, , .		1
167	Fuzzy position/vibration control of a 3-DOF rigid robot with a flexible tool. , 0, , .		1
168	Modeling and Analysis of an Ultra Light Slow Flyer With Variable Shape Control Surfaces Using Shape Memory Alloy Actuators. , 2004, , 153.		1
169	Effects of Rotary Inertia and Shear Deformation on Nonlinear Vibration of Micro/Nano-Beam Resonators. , 2005, , 439.		1
170	Stability Control of an Amphibious Single Wheel Robot. , 2007, , 1465.		1
171	Chaos Control in Continuous Mode of T-AFM Systems Using Nonlinear Delayed Feedback via Sliding Mode Control. , 2007, , 201.		1
172	Kinematic Calibration of the Hexaglide Parallel Robot Using a Simple Measurement System. , 2008, , .		1
173	Calibration of Hexaglide Parallel Manipulators Using Only Input Joint Variables. , 2008, , .		1
174	Performance Control of a Tape Transport Mechanism Using Entire Eigenstructure Assignment. , 2009, , .		1
175	Beyond Pull-In Stabilization of Dual Axis Micromirrors Using Fuzzy Controllers. , 2010, , .		1
176	Designing Gear-Shift Pattern for an Electric Vehicle to Optimize Energy Consumption. , 2010, , .		1
177	Using Sliding Mode Control to Adjust Drum Level of a Boiler Unit With Time Varying Parameters. , 2010, , .		1
178	A Modification on Performance of MEMS Gyroscopes by Parametro-Harmonic Excitation. , 2010, , .		1
179	Fabrication of a novel six DOF thermal nanopositioner by using bulk micromachining process. , 2011, , .		1
180	Design and analysis of a novel two DOF thermal micromanipulator. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
181	Robust regulation and tracking system design for multivariable control of the tape transport mechanism. <i>Microsystem Technologies</i> , 2012, 18, 557-573.	2.0	1
182	Design, Modeling and Optimization of a Novel Two DOF Polymeric Electro-Thermal Micro-Actuator. <i>Applied Mechanics and Materials</i> , 2013, 307, 112-116.	0.2	1
183	Fault effect analysis of the exhaust manifold leakage for a turbocharged spark ignition engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2014, 228, 970-984.	1.9	1
184	Chaos Control in Single Mode Approximation of T-AFM Systems Using Nonlinear Delayed Feedback Based on Sliding Mode Control. , 2007, , .		1
185	APPLICATION OF LOCAL SLOPES IN THE STUDY OF METASTABLE WALKING. , 2015, , .		1
186	Chaos Control of a Sprott Circuit Using Non-Linear Delayed Feedback Control Via Sliding Mode. , 2007, , .		1
187	Comparison of Nonlinear Filtering Techniques for Inertial Sensors Error Identification in INS/GPS Integration. <i>Scientia Iranica</i> , 2017, .	0.4	1
188	Optimal gaits generation of a 4-legged walking robot. , 0, , .		0
189	Control boom design of Z-SAT. , 2000, , .		0
190	Dynamic modeling and stability analysis of Z-SAT. , 2000, , .		0
191	CONTROL OF CHAOTIC SYSTEMS USING FUZZY CLUSTERING IDENTIFICATION AND SLIDING MODE CONTROL. , 2004, , .		0
192	Fuzzy control of robot manipulator with a flexible tool. <i>Journal of Field Robotics</i> , 2005, 22, 367-382.	0.7	0
193	Chaos Control Using PID and Lead Compensator Based on Fuzzy Gain Scheduling Technique. , 2006, , 773.		0
194	Identification of Distributed Unbalanced Mass in Flexible Rotors. , 2006, , 121.		0
195	Synchronization of Chaotic Systems Using Variable Structure Controllers. , 2006, , 789.		0
196	Fuzzy Adaptive Sliding Mode Control of Chaos. , 2006, , 797.		0
197	Chaos Synchronization in a Class of Chaotic Systems Using Kalman Filter and Feedback Linearization Methods. , 2006, , 143.		0
198	Optimal Control of an Assisted Passive Snake-Like Robot Using Feedback Linearization. , 2007, , 867.		0

#	ARTICLE	IF	CITATIONS
199	Dynamic Analysis of an Amphibious Single Wheel Robot, Part 1: Moving in Straight Path. , 2007, , 927.		0
200	Position Control of Ionic Polymer-Metal Composites Using Fuzzy Logic. , 2008, , .		0
201	Stabilizing Periodic Orbits of Chaotic Systems Using Adaptive Critic-Based Neurofuzzy Controller. , 2009, , .		0
202	Sliding mode control of chaotic Rayleigh-Bénard convection in Maxwellian fluids. , 2009, , .		0
203	Backstepping Boundary Control for Unstable Second-Order Hyperbolic PDEs and Trajectory Tracking. , 2009, , .		0
204	Equations of Motion of a Ring-Like Robot With a Flexible Body and Creeping-Rolling Motion. , 2009, , .		0
205	Adaptive Control of Regenerative Chatter in Turning Process With Tool Wear Effect. , 2009, , .		0
206	Optimal Sliding Mode Control of AFM Tip Vibration and Position During Manipulation of a Nanoparticle. , 2009, , .		0
207	Stabilizing Periodic Orbits of the Fractional Order Chaotic Van Der Pol System. , 2010, , .		0
208	Multivariable Control of an Over-Head Crane System Based on Entire Eigen-Structure Assignment. , 2010, , .		0
209	FEM Analysis of a 0.50 Caliber Rifle Barrel. , 2010, , .		0
210	Adaptive robust synchronization of chaotic systems using particle swarm optimization based controller. , 2010, , .		0
211	Motion of deformable ring made of IPMC. Proceedings of SPIE, 2012, , .	0.8	0
212	Coordinated trajectory tracking and collision-avoidance in dynamic environment for robots with double-integrated nonlinear dynamics. , 2014, , .		0
213	Active Performance Optimization of Cantilever Piezoelectric Energy Harvester. , 2014, , .		0
214	Sliding Mode Observers to Detect and Isolate Faults in a Turbocharged Gasoline Engine. SAE International Journal of Engines, 2015, 8, 399-410.	0.4	0
215	Optimization of the switching surface for the simplest passive dynamic biped. , 2015, , .		0
216	Superparamagnetic Nanoparticles for Epilepsy Detection. IFMBE Proceedings, 2015, , 1237-1240.	0.3	0

#	ARTICLE	IF	CITATIONS
217	Model-free chaos control in a chaotic Henon-like system using Takens embedding theory. , 2017, , .		0
218	Online Hybrid Model Predictive Controller Design for Cruise Control of Automobiles. , 2017, , .		0
219	Stable handspring maneuvers with passive flight phases: Results from an inverted pendulum-like template. International Journal of Non-Linear Mechanics, 2021, 128, 103606.	2.6	0
220	Fractal Basin Boundaries and Chaotic Motions in Spring-Pendulum System. , 2003, , .		0
221	Hybrid Stepper Motor Backstepping Control in Micro-Step Operation. , 2005, , .		0
222	A Numerical Procedure for Obtaining the Static and Pull-In Deflection and Voltage of Capacitive Microcantilever Beams. , 2006, , .		0
223	On the Synchronization of a Class of Sprott Circuits Using Variable Structure Controller. , 2007, , .		0
224	Designing an Intelligent Controller for a Molecular Valve. , 2008, , .		0
225	A Memory-Based Filter for Long-Term Error De-Noising of MEMS-Gyros. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	0