Aria Alasty

List of Publications by Year
in descending order

225 papers	2,888 citations	168829 31 h-index	299063 42 g-index
225 all docs	225 docs citations	225 times ranked	2345 citing authors

#	Article	IF	Citations
1	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.	3.7	3
2	Introducing shell formation and a thermodynamics-inspired concept for swarm robotic systems. Robotics and Autonomous Systems, 2022, 148, 103939.	3.0	2
3	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.	2.4	5
4	A Memory-Based Filter for Long-Term Error De-Noising of MEMS-Gyros. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	0
5	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.	3.5	6
6	Stable handspring maneuvers with passive flight phases: Results from an inverted pendulum-like template. International Journal of Non-Linear Mechanics, 2021, 128, 103606.	1.4	0
7	Inertial Motion Capture Accuracy Improvement by Kalman Smoothing and Dynamic Networks. IEEE Sensors Journal, 2021, 21, 3722-3729.	2.4	6
8	A Fast and Robust Magnetic Localization Technique Based on Elimination of the Orientation Variables From the Optimization. IEEE Sensors Journal, 2021, 21, 21885-21892.	2.4	8
9	Implementation of Translational Motion Dynamics for INS Data Fusion in DVL Outage in Underwater Navigation. IEEE Sensors Journal, 2021, 21, 6652-6659.	2.4	13
10	Quadcopter Fast Pure Descent Maneuver Avoiding Vortex Ring State Using Yaw-Rate Control Scheme. IEEE Robotics and Automation Letters, 2021, 6, 927-934.	3.3	9
11	Exponential stabilization of flexural sway vibration of gantry crane via boundary control method. JVC/Journal of Vibration and Control, 2020, 26, 36-55.	1.5	9
12	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.	0.7	7
13	INS-DVL Navigation Improvement Using Rotational Motion Dynamic Model of AUV. IEEE Sensors Journal, 2020, 20, 14329-14336.	2.4	31
14	Decentralized aggregation and leader-following control of a swarm of quadcopters with nonlinear under-actuated dynamics. Aerospace Science and Technology, 2020, 107, 106317.	2.5	2
15	Towards Real-Time Partially Self-Calibrating Pedestrian Navigation With an Inertial Sensor Array. IEEE Sensors Journal, 2020, 20, 6634-6641.	2.4	8
16	Optimal-time quadcopter descent trajectories avoiding the vortex ring and autorotation states. Mechatronics, 2020, 68, 102362.	2.0	11
17	Model identification of a Marine robot in presence of IMU-DVL misalignment using TUKF. Ocean Engineering, 2020, 206, 107344.	1.9	4
18	Estimation of Water Coverage Ratio in Low Temperature PEM-Fuel Cell Using Deep Neural Network. IEEE Sensors Journal, 2020, 20, 10679-10686.	2.4	13

#	ARTICLE	IF	CITATIONS
19	Nonlinear robust control of air handling units to improve the indoor air quality & CO2 concentration: A comparison between Hâˇž & decoupled sliding mode controls. Applied Thermal Engineering, 2019, 160, 113958.	3.0	12
20	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.	2.5	6
21	Dynamic stability and control of a novel handspringing robot. Mechanism and Machine Theory, 2019, 137, 154-171.	2.7	7
22	Boundary control of anti-symmetric vibration of satellite with flexible appendages in planar motion with exponential stability. Acta Astronautica, 2018, 147, 219-230.	1.7	25
23	Chaos control in delayed phase space constructed by the Takens embedding theory. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 453-465.	1.7	21
24	Human Arm Motion Tracking by Inertial/Magnetic Sensors Using Unscented Kalman Filter and Relative Motion Constraint. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 161-170.	2.0	33
25	Stability improvement of a dynamic walking system via reversible switching surfaces. Multibody System Dynamics, 2018, 43, 349-367.	1.7	9
26	Modeling and Fuzzy Control of One-legged Somersaulting Robot. , 2018, , .		3
27	Boundary control of flexible satellite vibration in planar motion. Journal of Sound and Vibration, 2018, 432, 549-568.	2.1	24
28	Robust fault tolerant explicit model predictive control. Automatica, 2018, 97, 248-253.	3.0	22
29	Active control of a passive bipedal walking robot. International Journal of Dynamics and Control, 2017, 5, 733-740.	1.5	4
30	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.	3.6	5
31	Dynamic analysis of magnetic nanoparticles crossing cell membrane. Journal of Magnetism and Magnetic Materials, 2017, 429, 372-378.	1.0	7
32	Robust distributed control of spacecraft formation flying with adaptive network topology. Acta Astronautica, 2017, 136, 281-296.	1.7	23
33	Boundary Stabilization of a Cosserat Elastic Body. Asian Journal of Control, 2017, 19, 2219-2225.	1.9	4
34	Model-free chaos control in a chaotic Henon-like system using Takens embedding theory. , 2017, , .		0
35	Online Hybrid Model Predictive Controller Design for Cruise Control of Automobiles. , 2017, , .		0
36	Vibration boundary control of Timoshenko micro-cantilever using piezoelectric actuators. Scientia Iranica, 2017, .	0.3	6

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37	Comparison of Nonlinear Filtering Techniques for Inertial Sensors Error Identification in INS/GPS Integration. Scientia Iranica, 2017, .	0.3	1
38	Optimal Magnetic Field for Crossing Super-Para-Magnetic Nanoparticles through the Brain Blood Barrier: A Computational Approach. Biosensors, 2016, 6, 25.	2.3	34
39	Human Arm Motion Tracking by Orientation-Based Fusion of Inertial Sensors and Kinect Using Unscented Kalman Filter. Journal of Biomechanical Engineering, 2016, 138, .	0.6	32
40	Observer based feedback control of a biodynamical model of tumor growth with sampled measurements. , 2016, , .		2
41	Hybrid control of a three-pole active magnetic bearing. Mechatronics, 2016, 39, 28-41.	2.0	14
42	PID-Fuzzy control of air handling units in the presence of uncertainty. International Journal of Thermal Sciences, 2016, 109, 123-135.	2.6	42
43	Inverse and forward dynamics of N-3RPS manipulator with lockable joints. Robotica, 2016, 34, 1383-1402.	1.3	5
44	Dynamic stability of a Hexaglide machine tool for milling processes. International Journal of Advanced Manufacturing Technology, 2016, 86, 1753-1762.	1.5	6
45	How local slopes stabilize passive bipedal locomotion?. Mechanism and Machine Theory, 2016, 100, 63-82.	2.7	27
46	Computing the blood brain barrier (BBB) diffusion coefficient: A molecular dynamics approach. Journal of Magnetism and Magnetic Materials, 2016, 410, 187-197.	1.0	40
47	Adaptive optimal multi-critic based neuro-fuzzy control of MIMO human musculoskeletal arm model. Neurocomputing, 2016, 173, 1529-1537.	3.5	38
48	Observer based minimum variance control of uncertain piecewise affine systems subject to additive noise. Nonlinear Analysis: Hybrid Systems, 2016, 19, 153-167.	2.1	4
49	Boundary exponential stabilization of non-classical micro/nano beams subjected to nonlinear distributed forces. Applied Mathematical Modelling, 2016, 40, 2223-2241.	2.2	7
50	Toward Epileptic Brain Region Detection Based on Magnetic Nanoparticle Patterning. Sensors, 2015, 15, 24409-24427.	2.1	13
51	A different switching surface stabilizing an existing unstable periodic gait: an analysis based on perturbation theory. Nonlinear Dynamics, 2015, 81, 2127-2140.	2.7	14
52	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.	1.1	8
53	Rotation rate estimation in parametrically excited micro gyroscopes. Mechatronics, 2015, 31, 264-275.	2.0	3
54	Control of Discrete Time Chaotic Systems via Combination of Linear and Nonlinear Dynamic Programming. Journal of Computational and Nonlinear Dynamics, 2015, 10, .	0.7	5

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55	MRI-guided epilepsy detection. , 2015, 2015, 4001-4.		3
56	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
57	Detection and isolation of faults in the exhaust path of turbocharged automotive engines. International Journal of Automotive Technology, 2015, 16, 127-138.	0.7	5
58	A comparison between the minimum-order & full-order observers in robust control of the air handling units in the presence of uncertainty. Energy and Buildings, 2015, 91, 115-130.	3.1	20
59	Lyapunov-Based Boundary Control of Strain Gradient Microscale Beams With Exponential Decay Rate. Journal of Vibration and Acoustics, Transactions of the ASME, 2015, 137, .	1.0	19
60	Optimization of the switching surface for the simplest passive dynamic biped. , 2015, , .		0
61	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.	0.3	5
62	A Second-Order Sliding Mode Observer for Fault Detection and Isolation of Turbocharged SI Engines. IEEE Transactions on Industrial Electronics, 2015, 62, 7795-7803.	5.2	19
63	Superparamagnetic Nanoparticles for Epilepsy Detection. IFMBE Proceedings, 2015, , 1237-1240.	0.2	0
64	Stochastic piecewise affine control with application to pitch control of helicopter. Nonlinear Analysis: Hybrid Systems, 2015, 15, 86-97.	2.1	6
65	APPLICATION OF LOCAL SLOPES IN THE STUDY OF METASTABLE WALKING. , 2015, , .		1
66	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
67	Coordinated trajectory tracking and collision-avoidance in dynamic environment for robots with double-integrated nonlinear dynamics. , 2014, , .		0
68	Modeling and simulation of crossing magnetic nanoparticles through Blood Brain Barrier (BBB). , 2014, 2014, 5280-3.		10
69	Modeling and Estimation of Unmeasured Variables in a Wastegate Operated Turbocharger. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	0.5	4
70	Suppression of dynamic pull-in instability in electrostatically actuated strain gradient beams. , 2014, , .		6
71	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.	1.1	5
72	Linear optimal control of continuous time chaotic systems. ISA Transactions, 2014, 53, 1209-1215.	3.1	10

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73	On the linear-quadratic regulator problem in one-dimensional linear fractional stochastic systems. Automatica, 2014, 50, 282-286.	3.0	9
74	Asymptotic decay rate of non-classical strain gradient Timoshenko micro-cantilevers by boundary feedback. Journal of Mechanical Science and Technology, 2014, 28, 627-635.	0.7	10
75	On the fractional-order extended Kalman filter and its application to chaotic cryptography in noisy environment. Applied Mathematical Modelling, 2014, 38, 961-973.	2.2	35
76	Suppression of harmonic perturbations and bifurcation control in tracking objectives of a boilerâ€"turbine unit in power grid. Nonlinear Dynamics, 2014, 76, 1693-1709.	2.7	7
77	Fault effect analysis of the exhaust manifold leakage for a turbocharged spark ignition engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2014, 228, 970-984.	1.1	1
78	Exact boundary controllability of vibrating non-classical Eulerâ€"Bernoulli micro-scale beams. Journal of Mathematical Analysis and Applications, 2014, 418, 985-997.	0.5	21
79	Active Performance Optimization of Cantilever Piezoelectric Energy Harvester. , 2014, , .		0
80	On the general Kalman filter for discrete time stochastic fractional systems. Mechatronics, 2013, 23, 764-771.	2.0	37
81	Parameter estimation and interval type-2 fuzzy sliding mode control of a z-axis MEMS gyroscope. ISA Transactions, 2013, 52, 900-911.	3.1	36
82	Path planning for a hyper-redundant manipulator with lockable joints using PSO. , 2013, , .		7
83	Nonlinear dynamics and control of bifurcation to regulate the performance of a boilerâ€"turbine unit. Energy Conversion and Management, 2013, 68, 105-113.	4.4	36
84	Boundary stabilization of non-classical micro-scale beams. Applied Mathematical Modelling, 2013, 37, 8709-8724.	2.2	21
85	Nonlinear dynamics, bifurcation and performance analysis of an air-handling unit: Disturbance rejection via feedback linearization. Energy and Buildings, 2013, 56, 150-159.	3.1	11
86	Nonlinear forced vibration of strain gradient microbeams. Applied Mathematical Modelling, 2013, 37, 8363-8382.	2.2	45
87	Controlling chaos in tapping mode atomic force microscopes using improved minimum entropy control. Applied Mathematical Modelling, 2013, 37, 1599-1606.	2.2	16
88	Tip tracking control of a micro-cantilever Timoshenko beam via piezoelectric actuator. JVC/Journal of Vibration and Control, 2013, 19, 1561-1574.	1.5	31
89	On-Line Fault Detection and Isolation (FDI) for the Exhaust Path of a Turbocharged SI Engine. , 2013, , .		3
90	Design, Modeling and Optimization of a Novel Two DOF Polymeric Electro-Thermal Micro-Actuator. Applied Mechanics and Materials, 2013, 307, 112-116.	0.2	1

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91	Control oriented modeling of a radial turbine for a turbocharged gasoline engine. , 2013, , .		7
92	Nonlinear observer design for turbocharger in a SI engine. , 2013, , .		7
93	Motion of deformable ring made of IPMC. Proceedings of SPIE, 2012, , .	0.8	0
94	Leader connectivity management and flocking velocity optimization using the particle swarm optimization method. Scientia Iranica, 2012, 19, 1251-1257.	0.3	10
95	An IPMC-made deformable-ring-like robot. Smart Materials and Structures, 2012, 21, 065011.	1.8	43
96	Robust regulation and tracking system design for multivariable control of the tape transport mechanism. Microsystem Technologies, 2012, 18, 557-573.	1.2	1
97	Stability analysis of a new class of MEMS gyroscopes with parametric resonance. Acta Mechanica, 2012, 223, 1169-1185.	1.1	21
98	Stabilizing periodic orbits of fractional order chaotic systems via linear feedback theory. Applied Mathematical Modelling, 2012, 36, 863-877.	2.2	8
99	Minimum entropy control of chaos via online particle swarm optimization method. Applied Mathematical Modelling, 2012, 36, 3931-3940.	2.2	12
100	Application of particle swarm optimization in chaos synchronization in noisy environment in presence of unknown parameter uncertainty. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 742-753.	1.7	35
101	Active leading through obstacles using ant-colony algorithm. Neurocomputing, 2012, 88, 67-77.	3.5	10
102	Adaptive critic-based neuro-fuzzy controller in multi-agents: Distributed behavioral control and path tracking. Neurocomputing, 2012, 88, 24-35.	3.5	21
103	Fabrication of a novel six DOF thermal nanopositioner by using bulk micromachining process. , 2011, , .		1
104	Flocking coordination using active leader and local information. Asian Journal of Control, 2011, 13, 797-808.	1.9	8
105	On the control of chaos via fractional delayed feedback method. Computers and Mathematics With Applications, 2011, 62, 1482-1491.	1.4	18
106	Multi-variable control of chaos using PSO-based minimum entropy control. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2397-2404.	1.7	17
107	On the fuzzy minimum entropy control to stabilize the unstable fixed points of chaotic maps. Applied Mathematical Modelling, 2011, 35, 1016-1023.	2.2	11
108	Design of a large-scale cable-driven robot with translational motion. Robotics and Computer-Integrated Manufacturing, 2011, 27, 357-366.	6.1	31

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109	Optimum synthesis of fuzzy logic controller for trajectory tracking by differential evolution. Scientia Iranica, 2011, 18, 261-267.	0.3	18
110	Design and analysis of a novel two DOF thermal micromanipulator. , 2011, , .		1
111	Introducing Structural Approximation Method for Modeling Nanostructures. Journal of Computational and Theoretical Nanoscience, 2010, 7, 423-428.	0.4	2
112	Stabilizing Periodic Orbits of the Fractional Order Chaotic Van Der Pol System. , 2010, , .		0
113	A comparative study between linear and sliding mode adaptive controllers for a hot gas generator. Applied Thermal Engineering, 2010, 30, 413-424.	3.0	3
114	Combined action of Casimir and electrostatic forces on nanocantilever arrays. Acta Mechanica, 2010, 212, 305-317.	1.1	13
115	Experimental kinematic calibration of parallel manipulators using a relative position error measurement system. Robotics and Computer-Integrated Manufacturing, 2010, 26, 799-804.	6.1	40
116	Beyond Pull-In Stabilization of Dual Axis Micromirrors Using Fuzzy Controllers. , 2010, , .		1
117	Designing Gear-Shift Pattern for an Electric Vehicle to Optimize Energy Consumption. , 2010, , .		1
118	Multivariable Control of an Over-Head Crane System Based on Entire Eigen-Structure Assignment. , 2010, , .		0
119	Using Sliding Mode Control to Adjust Drum Level of a Boiler Unit With Time Varying Parameters. , 2010, , .		1
120	FEM Analysis of a 0.50 Caliber Rifle Barrel. , 2010, , .		0
121	A Modification on Performance of MEMS Gyroscopes by Parametro-Harmonic Excitation. , 2010, , .		1
122	Robust adaptive backstepping control of uncertain Lorenz system. Chaos, 2010, 20, 023105.	1.0	10
123	Adaptive robust synchronization of chaotic systems using particle swarm optimization based controller. , 2010, , .		0
124	Modeling of tail dynamic behavior and trajectory control of a Fish-Robot using fuzzy logic. , 2010, , .		2
125	Performance Control of a Tape Transport Mechanism Using Entire Eigenstructure Assignment. , 2009, , .		1
126	Stabilizing Periodic Orbits of Chaotic Systems Using Adaptive Critic-Based Neurofuzzy Controller. , 2009, , .		0

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127	Sliding mode control of chaotic Rayleigh-B&#x00E9;nard convection in Maxwellian fluids. , 2009, , .		0
128	Backstepping Boundary Control for Unstable Second-Order Hyperbolic PDEs and Trajectory Tracking. , 2009, , .		0
129	Equations of Motion of a Ring-Like Robot With a Flexible Body and Creeping-Rolling Motion. , 2009, , .		0
130	Modeling, Control and Simulation of a New Large Scale Cable-Driven Robot. , 2009, , .		3
131	Adaptive Control of Regenerative Chatter in Turning Process With Tool Wear Effect. , 2009, , .		0
132	Instability of nanocantilever arrays in electrostatic and van der Waals interactions. Journal Physics D: Applied Physics, 2009, 42, 225506.	1.3	9
133	Stabilizing unstable fixed points of discrete chaotic systems via quasi-sliding mode method. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 839-849.	1.7	17
134	Calibration of parallel kinematic machine tools using mobility constraint on the tool center point. International Journal of Advanced Manufacturing Technology, 2009, 45, 531-539.	1.5	18
135	Chaos control in an economic model via minimum entropy strategy. Chaos, Solitons and Fractals, 2009, 40, 839-847.	2.5	29
136	Chaos control in uncertain dynamical systems using nonlinear delayed feedback. Chaos, Solitons and Fractals, 2009, 41, 67-71.	2.5	14
137	Adaptive synchronization of two chaotic systems with stochastic unknown parameters. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 508-519.	1.7	75
138	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.	1.7	27
139	Control of stochastic chaos using sliding mode method. Journal of Computational and Applied Mathematics, 2009, 225, 135-145.	1.1	40
140	Implementation of dynamic programming for chaos control in discrete systems. Journal of Computational and Applied Mathematics, 2009, 233, 531-544.	1.1	5
141	Online velocity optimization of robotic swarm flocking using particle swarm optimization (PSO) method. , 2009, , .		5
142	Workspace Analysis of a Three DOF Cable-Driven Mechanism. Journal of Mechanisms and Robotics, 2009, 1, .	1.5	26
143	Vibration control of vehicle suspension system using adaptive critic-based neurofuzzy controller. , 2009, , .		3
144	Swarm aggregation using emotional learning based intelligent controller. , 2009, , .		2

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145	Nonlinear Power Balance Control of a SPA hydraulic hybrid truck. , 2009, , .		3
146	Optimal Sliding Mode Control of AFM Tip Vibration and Position During Manipulation of a Nanoparticle. , 2009, , .		0
147	Delayed feedback control of chaotic spinning disk via minimum entropy approach. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 3273-3280.	0.6	11
148	Chaos synchronization of nonlinear gyros in presence of stochastic excitation via sliding mode control. Journal of Sound and Vibration, 2008, 313, 760-771.	2.1	43
149	Adaptive chaos synchronization in Chua's systems with noisy parameters. Mathematics and Computers in Simulation, 2008, 79, 233-241.	2.4	38
150	Chaos synchronization in noisy environment using nonlinear filtering and sliding mode control. Chaos, Solitons and Fractals, 2008, 36, 1295-1304.	2.5	29
151	Stabilizing unstable fixed points of chaotic maps via minimum entropy control. Chaos, Solitons and Fractals, 2008, 37, 763-769.	2.5	23
152	Delayed feedback control via minimum entropy strategy in an economic model. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 851-860.	1.2	16
153	Stabilizing periodic orbits of chaotic systems using fuzzy control of Poincaré map. Chaos, Solitons and Fractals, 2008, 36, 682-693.	2.5	22
154	Stabilizing periodic orbits of chaotic systems using fuzzy adaptive sliding mode control. Chaos, Solitons and Fractals, 2008, 37, 1125-1135.	2.5	53
155	Adaptive control of chaotic systems with stochastic time varying unknown parameters. Chaos, Solitons and Fractals, 2008, 38, 168-177.	2.5	20
156	Chaos control in AFM systems using nonlinear delayed feedback via sliding mode control. Nonlinear Analysis: Hybrid Systems, 2008, 2, 993-1001.	2.1	35
157	Satellite attitude control using three reaction wheels. , 2008, , .		20
158	Closed-form approximation and numerical validation of the influence of van der Waals force on electrostatic cantilevers at nano-scale separations. Nanotechnology, 2008, 19, 015501.	1.3	44
159	Kinematics and Singularity Analysis of the Hexaglide Parallel Robot. , 2008, , .		2
160	Stabilization of Biped Walking Robot Using the Energy Shaping Method. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	0.7	2
161	Kinematic Calibration of the Hexaglide Parallel Robot Using a Simple Measurement System. , 2008, , .		1
162	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, .	0.9	4

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163	Position Control of Ionic Polymer-Metal Composites Using Fuzzy Logic. , 2008, , .		0
164	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
165	Calibration of Hexaglide Parallel Manipulators Using Only Input Joint Variables. , 2008, , .		1
166	Designing an Intelligent Controller for a Molecular Valve. , 2008, , .		0
167	Optimal Control of an Assisted Passive Snake-Like Robot Using Feedback Linearization. , 2007, , 867.		0
168	Dynamic Analysis of an Amphibious Single Wheel Robot, Part 1: Moving in Straight Path. , 2007, , 927.		0
169	Control of a Nonlinear Boiler-Turbine Unit Using Two Methods: Gain Scheduling and Feedback Linearization. , 2007, , 491.		11
170	Stability Control of an Amphibious Single Wheel Robot. , 2007, , 1465.		1
171	Modeling and Control of Nonlinear Series Elastic Actuator. , 2007, , 127.		4
172	Chaos Control in Continuous Mode of T-AFM Systems Using Nonlinear Delayed Feedback via Sliding Mode Control. , 2007, , 201.		1
173	Spring-Mass Jumping of Underactuated Biped Robots. , 2007, , 1923.		2
174	Chaos control of a sprott circuit using delayed feedback control: Experimental study. , 2007, , .		3
175	Stability Analysis of Robotic Swarm With Limited Field of View. , 2007, , .		6
176	Closed-form solutions of the pull-in instability in nano-cantilevers under electrostatic and intermolecular surface forces. International Journal of Solids and Structures, 2007, 44, 4925-4941.	1.3	168
177	Nonlinear feedback control of chaotic pendulum in presence of saturation effect. Chaos, Solitons and Fractals, 2007, 31, 292-304.	2.5	49
178	Pull-in parameters of cantilever type nanomechanical switches in presence of Casimir force. Nonlinear Analysis: Hybrid Systems, 2007, 1, 364-382.	2.1	41
179	Analytical investigation and numerical verification of Casimir effect on electrostatic nano-cantilevers. Microsystem Technologies, 2007, 14, 145-157.	1.2	60
180	Chaos Control in Single Mode Approximation of T-AFM Systems Using Nonlinear Delayed Feedback Based on Sliding Mode Control. , 2007, , .		1

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181	Chaos Control of a Sprott Circuit Using Non-Linear Delayed Feedback Control Via Sliding Mode. , 2007, , .		1
182	On the Synchronization of a Class of Sprott Circuits Using Variable Structure Controller. , 2007, , .		0
183	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.	1.0	27
184	Nonlinear Dynamics of MicroResonators. Journal of Physics: Conference Series, 2006, 34, 961-966.	0.3	5
185	Chaos Control Using PID and Lead Compensator Based on Fuzzy Gain Scheduling Technique. , 2006, , 773.		0
186	Identification of Distributed Unbalanced Mass in Flexible Rotors. , 2006, , 121.		0
187	Design of a supervisory controller for CLOS guidance with lead angle. Aircraft Engineering and Aerospace Technology, 2006, 78, 395-406.	0.8	2
188	Adaptive robust attitude control of a flexible spacecraft. International Journal of Robust and Nonlinear Control, 2006, 16, 287-302.	2.1	80
189	Chaotic motions and fractal basin boundaries in spring-pendulum system. Nonlinear Analysis: Real World Applications, 2006, 7, 81-95.	0.9	39
190	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.	0.9	23
191	Comments on â€œidentification of a nonlinear electromagnetic system: An experimental studyâ€. Journal of Sound and Vibration, 2006, 290, 1333-1334.	2.1	2
192	Nonlinear parametric identification of magnetic bearings. Mechatronics, 2006, 16, 451-459.	2.0	12
193	Influence of van der Waals force on the pull-in parameters of cantilever type nanoscale electrostatic actuators. Microsystem Technologies, 2006, 12, 1153-1161.	1.2	47
194	Synchronization of Chaotic Systems Using Variable Structure Controllers. , 2006, , 789.		0
195	Fuzzy Adaptive Sliding Mode Control of Chaos. , 2006, , 797.		0
196	Chaos Synchronization in a Class of Chaotic Systems Using Kalman Filter and Feedback Linearization Methods. , 2006, , 143.		0
197	A Numerical Procedure for Obtaining the Static and Pull-In Deflection and Voltage of Capacitive Microcantilever Beams. , 2006, , .		0
198	Stability analysis and nonlinear control of a miniature shape memory alloy actuator for precise applications. Mechatronics, 2005, 15, 471-486.	2.0	39

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199	Controlling the chaos using fuzzy estimation of OGY and Pyragas controllers. Chaos, Solitons and Fractals, 2005, 26, 379-392.	2.5	45
200	Fuzzy control of robot manipulator with a flexible tool. Journal of Field Robotics, 2005, 22, 367-382.	0.7	0
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