Ã–mer MorgÃ¼l

List of Publications by Year
in descending order

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56	1,184	430874	395702
papers	citations	18	33
		h-index	g-index

56	56	56	581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-Legged Robot Motion Control With Recurrent Neural Networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	3.4	3
2	Adaptive friction compensations for mechanical systems with measurement delay. Transactions of the Institute of Measurement and Control, 2021, 43, 1745-1759.	1.7	2
3	Two-Legged Robot System Identiï¬cation With Artiï¬cial Neural Networks. , 2020, , .		1
4	Harmonic transfer functions based controllers for linear time-periodic systems. Transactions of the Institute of Measurement and Control, 2019, 41, 2171-2184.	1.7	7
5	A New Learning Algorithm: SinAdaMax. , 2019, , .		1
6	Frequency-Domain Subspace Identification of Linear Time-Periodic (LTP) Systems. IEEE Transactions on Automatic Control, 2019, 64, 2529-2536.	5.7	20
7	On the periodic gait stability of a multi-actuated spring-mass hopper model via partial feedback linearization. Nonlinear Dynamics, 2017, 88, 1237-1256.	5.2	16
8	Human activity recognition with different artificial neural network based classifiers. , 2017, , .		5
9	Stability and control of planar compass gait walking with series-elastic ankle actuation. Transactions of the Institute of Measurement and Control, 2017, 39, 312-323.	1.7	11
10	Identification of a vertical hopping robot model via harmonic transfer functions. Transactions of the Institute of Measurement and Control, 2016, 38, 501-511.	1.7	10
11	Independent Estimation of Input and Measurement Delays for a Hybrid Vertical Spring-Mass-Damper via Harmonic Transfer Functions. IFAC-PapersOnLine, 2015, 48, 298-303.	0.9	4
12	Toward data-driven models of legged locomotion using harmonic transfer functions. , 2015, , .		4
13	Stability of a compass gait walking model with series elastic ankle actuation. , 2015, , .		1
14	Extending the lossy Spring-Loaded Inverted Pendulum model with a slider-crank mechanism. , 2015, , .		2
15	Experimental Validation of a Feed-Forward Predictor for the Spring-Loaded Inverted Pendulum Template. IEEE Transactions on Robotics, 2015, 31, 208-216.	10.3	25
16	Enlarging the region of stability using the torque-enhanced active SLIP model. , 2015, , .		4
17	Path following with an underactuated self-balancing spherical-wheel mobile robot. , 2015, , .		1
18	Observer based friction cancellation in mechanical systems. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Boundary control of a rotating shear beam with observer feedback. JVC/Journal of Vibration and Control, 2012, 18, 2257-2265.	2.6	21
20	A NONLINEAR CONTROL SCHEME FOR DISCRETE TIME CHAOTIC SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 249-254.	0.4	0
21	Further stability results for a generalization of delayed feedback control. Nonlinear Dynamics, 2012, 70, 1255-1262.	5.2	7
22	A 3D dynamic model of a spherical wheeled self-balancing robot. , 2012, , .		14
23	Adaptive control of a spring-mass hopper. , 2011, , .		12
24	A NEW PERIODIC CONTROLLER FOR DISCRETE TIME CHAOTIC SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 191-196.	0.4	0
25	Approximate analytic solutions to non-symmetric stance trajectories of the passive Spring-Loaded Inverted Pendulum with damping. Nonlinear Dynamics, 2010, 62, 729-742.	5.2	74
26	On the Control of Two-link Flexible Robot Arm with Nonuniform Cross Section. JVC/Journal of Vibration and Control, 2010, 16, 619-646.	2.6	42
27	PDE control of a rotating shear beam with boundary feedback. , 2009, , .		0
28	An approximate stance map of the spring mass hopper with gravity correction for nonsymmetric locomotions. , 2009, , .		26
29	Reactive footstep planning for a planar spring mass hopper. , 2009, , .		10
30	A NEW GENERALIZATION OF DELAYED FEEDBACK CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 365-377.	1.7	9
31	A NEW DELAYED FEEDBACK CONTROL SCHEME FOR DISCRETE TIME CHAOTIC SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 333-338.	0.4	2
32	ON THE STABILIZATION OF PERIODIC ORBITS FOR DISCRETE TIME CHAOTIC SYSTEMS BY USING SCALAR FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4431-4442.	1.7	3
33	STABILIZATION OF UNSTABLE PERIODIC ORBITS FOR DISCRETE TIME CHAOTIC SYSTEMS BY USING PERIODIC FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 311-323.	1.7	12
34	STABILITY RESULTS FOR SOME PERIODIC FEEDBACK CONTROLLERS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1193-1198.	0.4	0
35	On the stabilization of periodic orbits for discrete time chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 127-138.	2.1	14
36	On the stability of delayed feedback controllers for discrete time systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 31-42.	2.1	14

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37	Chaos in Circuits and Systems, G. Chen, T. Ueta, World Scientific Publishing Co., Singapore, 2002, ISBN 981-02-4933-00, $118, Â£87.. Automatica, 2005, 41, 352-355.	5.0	0
38	A MODEL-BASED SCHEME FOR ANTICONTROL OF SOME DISCRETE-TIME CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2943-2954.	1.7	2
39	On the stability of delayed feedback controllers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 314, 278-285.	2.1	34
40	OBSERVER BASED CHAOTIC MESSAGE TRANSMISSION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1003-1017.	1.7	23
41	A MODEL-BASED SCHEME FOR ANTICONTROL OF SOME CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3449-3457.	1.7	12
42	A switching synchronization scheme for a class of chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 241-249.	2.1	10
43	An exponential stability result for the wave equation. Automatica, 2002, 38, 731-735.	5.0	26
44	Observer-based control of a class of chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 279, 47-55.	2.1	68
45	Synchronization and chaotic masking scheme based on occasional coupling. Physical Review E, 2000, 62, 3543-3551.	2.1	2
46	Necessary Condition for Observer-Based Chaos Synchronization. Physical Review Letters, 1999, 82, 77-80.	7.8	25
47	On the control of some chaotic systems by using dither. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 144-151.	2.1	20
48	A chaotic masking scheme by using synchronized chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 251, 169-176.	2.1	69
49	On the synchronization of logistic maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 247, 391-396.	2.1	18
50	Synchronization of chaotic systems by using occasional coupling. Physical Review E, 1997, 55, 5004-5010.	2.1	28
51	On the Synchronization of Chaos Systems by Using State Observers. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 1307-1322.	1.7	78
52	Observer based synchronization of chaotic systems. Physical Review E, 1996, 54, 4803-4811.	2.1	197
53	Control and stabilization of a rotating flexible structure. Automatica, 1994, 30, 351-356.	5.0	37
54	A dynamic control law for the wave equation. Automatica, 1994, 30, 1785-1792.	5.0	56

#	Article	IF	Citations
55	Dynamic boundary control of the timoshenko beam. Automatica, 1992, 28, 1255-1260.	5.0	51
56	Boundary control of a Timoshenko beam attached to a rigid body: planar motion. International Journal of Control, 1991, 54, 763-791.	1.9	48