

Ali Tavasoli

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

296
citations

932766

10
h-index

940134

16
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28
all docs

28
docs citations

28
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-time scale control and observer design for trajectory tracking of two cooperating robot manipulators moving a flexible beam. <i>Robotics and Autonomous Systems</i> , 2009, 57, 212-221.	3.0	58
2	Optimized coordination of brakes and active steering for a 4WS passenger car. <i>ISA Transactions</i> , 2012, 51, 573-583.	3.1	28
3	Robust boundary stabilization of a vibrating rectangular plate using disturbance adaptation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016, 30, 1603-1626.	2.3	24
4	Vehicle stability enhancement "an adaptive optimal approach to the distribution of tyre forces. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2010, 224, 443-453.	1.1	21
5	Adaptive robust boundary control of shaft vibrations under perturbations with unknown upper bounds. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015, 29, 537-562.	2.3	17
6	Active disturbance rejection and Lyapunov redesign approaches for robust boundary control of plate vibration. <i>International Journal of Systems Science</i> , 2017, 48, 1656-1670.	3.7	17
7	Active disturbance rejection boundary control of Timoshenko beam with tip mass. <i>ISA Transactions</i> , 2018, 80, 221-231.	3.1	14
8	Dynamic modeling and adaptive robust boundary control of a flexible robotic arm with 2-dimensional rigid body rotation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 891-907.	2.3	12
9	Interior-Point Method to Optimize Tire Force Allocation in 4-Wheeled Vehicles Using High-Level Sliding Mode Control with Adaptive Gain. <i>Asian Journal of Control</i> , 2013, 15, 1188-1200.	1.9	10
10	Dynamic modeling and nonlinear boundary control of hybrid Euler-Bernoulli beam system with a tip mass. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2015, 229, 3-15.	0.5	10
11	Robust adaptive boundary control of a perturbed hybrid Euler-Bernoulli beam with coupled rigid and flexible motion. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 680-688.	1.6	10
12	Adaptive robust boundary control of coupled bending-torsional vibration of beams with only one axis of symmetry. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 761-784.	2.3	9
13	Mitigating the risk of infection spread in manual order picking operations: A multi-objective approach. <i>Applied Soft Computing Journal</i> , 2021, 100, 106953.	4.1	9
14	Stabilized MLPG-VF-based method with CBS scheme for laminar flow at high Reynolds and Rayleigh numbers. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650081.	0.8	8
15	Boundary control of a circular curved beam using active disturbance rejection control. <i>International Journal of Control</i> , 2019, 92, 1137-1154.	1.2	8
16	Incentive rate determination in viral marketing. <i>European Journal of Operational Research</i> , 2021, 289, 1169-1187.	3.5	8
17	Flocking of a team of Lagrangian agents. , 2009, , .		6
18	Comparison of Static and Dynamic Control Allocation Techniques for Integrated Vehicle Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 7180-7186.	0.4	6

#	ARTICLE	IF	CITATIONS
19	A new discrete-time robust adaptive time-delay control for a class of uncertain nonlinear strict-feedback systems using sliding mode. ISA Transactions, 2019, 93, 40-54.	3.1	5
20	Vehicle Sliding Mode Control with Adaptive Upper Bounds: Static versus Dynamic Allocation to Saturated Tire Forces. Mathematical Problems in Engineering, 2012, 2012, 1-31.	0.6	4
21	Well-posedness and exponential stability of two-dimensional vibration model of a boundary-controlled curved beam with tip mass. International Journal of Systems Science, 2018, 49, 2847-2860.	3.7	4
22	A control-oriented dynamic model for sit-to-stand motion with fixed support. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2017, , 146441931773105.	0.5	3
23	Adaptive Nonlinear Boundary Control of a Hybrid Euler-Bernoulli Beam with Coupled Rigid and Flexible Dynamics. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2018, 42, 311-315.	0.8	2
24	Two-Time Scale Control and Observer Design for Trajectory Tracking of Two Cooperating Robot Manipulators Moving a Flexible Beam. Proceedings of the American Control Conference, 2007, , .	0.0	1
25	Designing optimal multiplex networks for certain Laplacian spectral properties. Physical Review E, 2020, 102, 022302.	0.8	1
26	COMBINED ADAPTIVE-ROBUST AND NEURAL NETWORK CONTROL OF TWO RLED COOPERATING ROBOTS USING BACKSTEPPING DESIGN. International Journal of Robotics and Automation, 2008, 23, .	0.1	1
27	Combined adaptive-robust and neural network control of RLED robot manipulators using backstepping design. , 0, , .		0
28	Neural Network Control of two Electrically Driven Cooperating 6 DOF Robot Manipulators. , 2006, , .		0