

Yangjun Pi

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

510
citations

686830

13
h-index

794141

19
g-index

24
all docs

24
docs citations

24
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive boundary control of a flexible-link flexible-joint manipulator under uncertainties and unknown disturbances. JVC/Journal of Vibration and Control, 2023, 29, 169-184.	1.5	5
2	Three-dimensional dynamic modeling and simulation of a multi-cable winding hoister system considering bidirectional coupling between cage and flexible guides. JVC/Journal of Vibration and Control, 2023, 29, 1678-1699.	1.5	3
3	Traffic sign detection based on improved faster R-CNN for autonomous driving. Journal of Supercomputing, 2022, 78, 7982-8002.	2.4	15
4	State-Observer Design of a PDE-Modeled Mining Cable Elevator With Time-Varying Sensor Delays. IEEE Transactions on Control Systems Technology, 2020, 28, 1149-1157.	3.2	14
5	Hysteretic damping characteristics of a mechanical tensioner: Modeling and experimental investigation. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 1890-1902.	1.1	13
6	Output feedback vibration control of a string driven by a nonlinear actuator. Applied Mathematical Modelling, 2019, 72, 403-419.	2.2	5
7	A non-Hertzian contact analysis for the ball and raceway of a deep groove ball bearing. IOP Conference Series: Materials Science and Engineering, 2019, 542, 012025.	0.3	0
8	Balancing and suppression of oscillations of tension and cage in dual-cable mining elevators. Automatica, 2018, 98, 223-238.	3.0	34
9	Control of a 2×2 coupled linear hyperbolic system sandwiched between 2 ODEs. International Journal of Robust and Nonlinear Control, 2018, 28, 3987-4016.	2.1	37
10	Axial Vibration Suppression in a Partial Differential Equation Model of Ascending Mining Cable Elevator. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	43
11	Exponential regulation of the anti-collocatedly disturbed cage in a wave PDE-modeled ascending cable elevator. Automatica, 2018, 95, 122-136.	3.0	41
12	Lyapunov-based boundary control of a multi-span beam subjected to moving masses. JVC/Journal of Vibration and Control, 2017, 23, 2221-2234.	1.5	17
13	Modeling and dynamic behavior analysis of a coupled multi-cable double drum winding hoister with flexible guides. Mechanism and Machine Theory, 2017, 108, 191-208.	2.7	42
14	Dynamic performance of a multi-ribbed belt based on an overlay constitutive model of carbon-black-filled rubber and experimental validation. Mechanical Systems and Signal Processing, 2017, 95, 252-272.	4.4	13
15	Adaptive simultaneous motion and vibration control for a multi flexible-link mechanism with uncertain general harmonic disturbance. Journal of Sound and Vibration, 2017, 408, 60-72.	2.1	11
16	Optimal Design of an Autotensioner in an Automotive Belt Drive System Via a Dynamic Adaptive PSO-GA. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	1.7	11
17	Vibration control of beams subjected to a moving mass using a successively combined control method. Applied Mathematical Modelling, 2016, 40, 4002-4015.	2.2	28
18	Transverse hysteretic damping characteristics of a serpentine belt: Modeling and experimental investigation. Journal of Sound and Vibration, 2014, 333, 7019-7035.	2.1	15

#	ARTICLE	IF	CITATIONS
19	Trajectory tracking control of a 6-DOF hydraulic parallel robot manipulator with uncertain load disturbances. <i>Control Engineering Practice</i> , 2011, 19, 185-193.	3.2	93
20	Observer-based cascade control of a 6-DOF parallel hydraulic manipulator in joint space coordinate. <i>Mechatronics</i> , 2010, 20, 648-655.	2.0	65
21	Nonlinear Control of Ship Motion Simulator Based on Disturbance Observer. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2010, 46, 164.	0.7	0
22	A composite controller for manipulator with flexible joint and link under uncertainties and disturbances. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632098819.	1.5	5
23	Natural frequency modulation of a kinematically redundant planar parallel robot. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622110524.	1.1	0
24	3D dynamic modelling of a rigid manipulator mounted on a rectangular plate based on Hamilton principle. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632210913.	1.5	0