

Ziyad N Masoud

List of Publications by Year in descending order

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40
papers

2,083
citations

471371

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h-index

580701

25
g-index

42
all docs

42
docs citations

42
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural convection heat transfer enhancement in horizontal concentric annuli using nanofluids. International Communications in Heat and Mass Transfer, 2008, 35, 657-665.	2.9	432
2	Effect of nanofluid variable properties on natural convection in enclosures. International Journal of Thermal Sciences, 2010, 49, 479-491.	2.6	297
3	Sway Reduction on Container Cranes Using Delayed Feedback Controller. Nonlinear Dynamics, 2003, 34, 347-358.	2.7	114
4	Cargo Pendulation Reduction of Ship-Mounted Cranes. Nonlinear Dynamics, 2004, 35, 299-311.	2.7	95
5	Sway Reduction on Quay-side Container Cranes Using Delayed Feedback Controller: Simulations and Experiments. JVC/Journal of Vibration and Control, 2005, 11, 1103-1122.	1.5	74
6	A Graphical Approach to Input-Shaping Control Design for Container Cranes With Hoist. IEEE Transactions on Control Systems Technology, 2006, 14, 1070-1077.	3.2	63
7	A hybrid command-shaper for double-pendulum overhead cranes. JVC/Journal of Vibration and Control, 2014, 20, 24-37.	1.5	63
8	Delayed Position-Feedback Controller for the Reduction of Payload Pendulations of Rotary Cranes. JVC/Journal of Vibration and Control, 2003, 9, 257-277.	1.5	60
9	Nonlinear Input-Shaping Controller for Quay-Side Container Cranes. Nonlinear Dynamics, 2006, 45, 149-170.	2.7	55
10	Frequency-Modulation Input Shaping Control of Double-Pendulum Overhead Cranes. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	44
11	Pendulation Reduction on Small Ship-Mounted Telescopic Cranes. JVC/Journal of Vibration and Control, 2004, 10, 1167-1179.	1.5	42
12	Delayed Position-Feedback Controller for the Reduction of Payload Pendulations of Rotary Cranes. JVC/Journal of Vibration and Control, 2003, 9, 257-277.	1.5	40
13	Discrete-time command profile for simultaneous travel and hoist maneuvers of overhead cranes. Journal of Sound and Vibration, 2015, 345, 47-57.	2.1	33
14	Effect of hoisting cable elasticity on anti-sway controllers of Quay-side container cranes. Nonlinear Dynamics, 2009, 58, 129-140.	2.7	29
15	A smooth multimode waveform command shaping control with selectable command length. Journal of Sound and Vibration, 2017, 397, 1-16.	2.1	24
16	An Iterative Learning Control Technique for Point-to-Point Maneuvers Applied on an Overhead Crane. Shock and Vibration, 2014, 2014, 1-11.	0.3	23
17	A Smooth Waveform Shaped Command with Flexible Maneuvering Time: Analysis and Experiments. Asian Journal of Control, 2016, 18, 1376-1384.	1.9	17
18	A Novel Wave-Form Command-Shaping Control With Application on Overhead Cranes. , 2010, , .		16

#	ARTICLE	IF	CITATIONS
19	Waveform command shaping control of multimode systems. Journal of Sound and Vibration, 2016, 363, 126-140.	2.1	13
20	Oscillation Control of Quay-Side Container Cranes Using Cable-Length Manipulation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 224-228.	0.9	12
21	Nonlinear free vibration control of beams using acceleration delayed-feedback control. Smart Materials and Structures, 2008, 17, 015002.	1.8	12
22	A Hybrid Command-Shaping Control System for Highly Accelerated Double-Pendulum Gantry Cranes. , 2009, , .		9
23	Simultaneous Travel and Hoist Maneuver Input Shaping Control Using Frequency Modulation. Shock and Vibration, 2017, 2017, 1-12.	0.3	8
24	Sway Reduction on Container Cranes Using Delayed Feedback Controller. , 2002, , .		6
25	A Continuous Modulated Wave-Form Command Shaping for Damped Overhead Cranes. , 2011, , .		6
26	Frequency-modulation input shaping for multimode systems. JVC/Journal of Vibration and Control, 2016, 22, 3439-3451.	1.5	6
27	A Smooth Wave-Form Command Shaping Control. , 2013, , .		5
28	Frequency-Modulation Input-Shaping Strategy for Double-Pendulum Overhead Cranes Undergoing Simultaneous Hoist and Travel Maneuvers. IEEE Access, 2022, 10, 44954-44963.	2.6	5
29	A Discretized Optimization Strategy for Rest-to-Rest Maneuvers of Overhead Cranes Considering the Effect of Damping. , 2015, , .		4
30	A Multi-Mode Smooth Command Shaper With an Adjustable Maneuver Time. , 2015, , .		4
31	A close-form command shaping control for point-to-point maneuver with nonzero initial and final conditions. Mechanical Systems and Signal Processing, 2022, 170, 108804.	4.4	4
32	Sway Reduction on Container Cranes Using Delayed Feedback Controller: Simulations and Experiments. , 2003, , 2221.		3
33	A Delayed-Position Feedback Controller for Cranes. , 2005, , 385-395.		3
34	Command-Shaping Control System for Double-Pendulum Gantry Cranes. , 2011, , .		3
35	A Frequency-Modulation Command-Shaping Strategy for Multi-Mode Systems. , 2013, , .		3
36	A Comparison of Three Feedback Controllers for Container Cranes. , 2005, , 935.		2

#	ARTICLE	IF	CITATIONS
37	A Graphical Phase Plane Approach for Controlling Cargo Transfer on Quay-Side Container Cranes with Hoisting. , 2005, , .		1
38	Multimode Input Shaping Control of Flexible Structures Using Frequency Modulation. , 2016, , .		1
39	Differential Cable Length Manipulation for Oscillation Control of Quay-Side Container Cranes. , 2005, , 705.		0
40	Effect of Hoisting Cable Elasticity on the Period of Oscillation of Quay-Side Container Cranes. , 2008, , .		0