Selim Sivrioglu

List of Publications by Year
in descending order

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43	658	567281 15	610901 24
papers	citations	h-index	g-index

43	43	43	480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vibration suppression of wind turbine nacelle with active electromagnetic mass damper systems using adaptive backstepping control. JVC/Journal of Vibration and Control, 2022, 28, 1621-1634.	2.6	5
2	Constrained adaptive backstepping control of a semiâ€active suspension considering suspension travel limits. Asian Journal of Control, 2021, 23, 1380-1393.	3.0	4
3	A new guideway design for the HTS Maglev vehicles considering curve negotiation. Journal of Physics: Conference Series, 2021, 1975, 012030.	0.4	2
4	Switching linear quadratic Gaussian control of a flexible blade structure containing magnetorheological fluid. Transactions of the Institute of Measurement and Control, 2020, 42, 618-627.	1.7	10
5	Improving curving performance of a straddle-type monorail vehicle by using semi-active devices. International Journal of Heavy Vehicle Systems, 2020, 1, 1.	0.2	0
6	Bending vibration control of a MR fluid embedded smart beam exposed by the conjunction of wind-induced galloping effects. Smart Materials and Structures, 2020, 29, 115036.	3.5	6
7	Active vibration control of a blade element with uncertainty modeling in PZT actuator force. JVC/Journal of Vibration and Control, 2019, 25, 2721-2732.	2.6	11
8	Piezoelectric and electromagnetic hybrid energy harvesting with low-frequency vibrations of an aerodynamic profile under the air effect. Mechanical Systems and Signal Processing, 2019, 133, 106246.	8.0	44
9	Novel repulsive magnetic bearing flywheel system with composite adaptive control. IET Electric Power Applications, 2019, 13, 676-685.	1.8	11
10	Superconducting levitation analysis of a flywheel system using H-formulation. Physica C: Superconductivity and Its Applications, 2019, 561, 64-70.	1.2	8
11	Experimental comparison of control methods for armoured personnel carriers with semi-active magneto-rheological suspension. International Journal of Heavy Vehicle Systems, 2019, 26, 628.	0.2	0
12	Active vibration suppression of elastic blade structure: Using a novel magnetorheological layer patch. Journal of Intelligent Material Systems and Structures, 2018, 29, 3792-3803.	2.5	14
13	Active Robust Control of Elastic Blade Element Containing Magnetorheological Fluid. IOP Conference Series: Materials Science and Engineering, 2018, 326, 012017.	0.6	1
14	Active Control of a Small-Scale Wind Turbine Blade Containing Magnetorheological Fluid. Micromachines, 2018, 9, 80.	2.9	15
15	Radial stiffness improvement of a flywheel system using multi-surface superconducting levitation. Superconductor Science and Technology, 2017, 30, 035008.	3.5	22
16	Composite Adaptive Control of Single Gimbal Control Moment Gyroscope Supported by Active Magnetic Bearings. Journal of Aerospace Engineering, 2017, 30, .	1.4	4
17	Multisurface HTS-PM Levitation for a Flywheel System. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	18
18	Semi-active Vibration Control of Lateral and Rolling Motions for a Straddle Type Monorail Vehicle. IFAC-PapersOnLine, 2016, 49, 279-284.	0.9	8

#	Article	IF	Citations
19	A Dynamical Stiffness Evaluation Model for a Ring-Shaped Superconductor Magnetic Bearing System. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-7.	1.7	18
20	Nonlinear adaptive control of semi-active MR damper suspension with uncertainties in model parameters. Nonlinear Dynamics, 2015, 79, 2753-2766.	5.2	37
21	Adaptive control of a novel hybrid magnetic bearing flywheel system for use in momentum exchange devices. , 2013, , .		0
22	Inertial load effects on a single axis gimbal flywheel with magnetic bearings. , 2011, , .		3
23	A new semiactive nonlinear adaptive controller forÂstructures using MR damper: Design and experimental validation. Nonlinear Dynamics, 2011, 66, 731-743.	5.2	46
24	Observer based output feedback control of thrust magnetic bearings. , 2011, , .		1
25	H âˆž Control for Suppressing Acoustic Modes of a Distributed Structure Using Cluster Sensing and Actuation. JVC/Journal of Vibration and Control, 2010, 16, 439-453.	2.6	8
26	LPV gain-scheduling controller design for a non-linear quarter-vehicle active suspension system. Transactions of the Institute of Measurement and Control, 2009, 31, 71-95.	1.7	40
27	Adaptive control of structures with MR damper. , 2009, , .		5
28	Levitation analysis of a ring shaped permanent magnetâ€“high temperature superconductor vertical bearing system. Superconductor Science and Technology, 2007, 20, 559-563.	3.5	20
29	LPV Model Based Gain-scheduling Controller for a Full Vehicle Active Suspension System. JVC/Journal of Vibration and Control, 2007, 13, 1629-1666.	2.6	27
30	Adaptive backstepping for switching control active magnetic bearing system with vibrating base. IET Control Theory and Applications, 2007, 1, 1054-1059.	2.1	49
31	Adaptive control of nonlinear zero-bias current magnetic bearing system. Nonlinear Dynamics, 2007, 48, 175-184.	5.2	30
32	Structural mode filtering of a discrete-parameter system using PVDF sensors. International Applied Mechanics, 2006, 42, 241-246.	0.6	0
33	Low Power Consumption Nonlinear Control with Hâˆž Compensator for a Zero-Bias Flywheel AMB System. JVC/Journal of Vibration and Control, 2004, 10, 1151-1166.	2.6	29
34	Dynamical analysis of a flywheel-superconducting bearing with a moving magnet support. Superconductor Science and Technology, 2003, 16, 1268-1272.	3.5	4
35	Zero-Power Nonlinear Magnetic Bearing System with Adaptive Unbalance Vibration Control. The Proceedings of the Symposium on the Motion and Vibration Control, 2003, 2003.8, 170-173.	0.0	0
36	ACOUSTIC POWER SUPPRESSION OF A PANEL STRUCTURE USING HâˆžOUTPUT FEEDBACK CONTROL. Journal of Sound and Vibration, 2002, 249, 885-897.	3.9	13

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37	An Evaluation of Sliding Mode Control for Vehicle Suspensions. Journal of Robotics and Mechatronics, 2002, 14, 420-428.	1.0	0
38	Robust Control of Active Suspensions for a Full Vehicle Model Using Sliding Mode Control.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2000, 43, 253-258.	0.3	32
39	Active permanent magnet support for a superconducting magnetic-bearing flywheel rotor. IEEE Transactions on Applied Superconductivity, 2000, 10, 1673-1677.	1.7	22
40	Sliding mode control with gain scheduled hyperplane for LPV plant. , 1999, , 263-279.		11
41	Sliding mode control with time-varying hyperplane for AMB systems. IEEE/ASME Transactions on Mechatronics, 1998, 3, 51-59.	5.8	69
42	Active Vibration Control by Means of LMI-Based Mixed H2/H.INF. State Feedback Control.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1997, 40, 239-244.	0.3	10
43	Robust Variable Structure Controllers for Axial Active Magnetic Bearing. International Journal of Applied Mathematics Electronics and Computers, 0, , 178-178.	0.3	1