

# Selim Sivrioglu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9563618/publications.pdf>

Version: 2024-02-01

43  
papers

658  
citations

567281

15  
h-index

610901

24  
g-index

43  
all docs

43  
docs citations

43  
times ranked

480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sliding mode control with time-varying hyperplane for AMB systems. IEEE/ASME Transactions on Mechatronics, 1998, 3, 51-59.	5.8	69
2	Adaptive backstepping for switching control active magnetic bearing system with vibrating base. IET Control Theory and Applications, 2007, 1, 1054-1059.	2.1	49
3	A new semiactive nonlinear adaptive controller for structures using MR damper: Design and experimental validation. Nonlinear Dynamics, 2011, 66, 731-743.	5.2	46
4	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
5	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
6	Nonlinear adaptive control of semi-active MR damper suspension with uncertainties in model parameters. Nonlinear Dynamics, 2015, 79, 2753-2766.	5.2	37
7	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
8	Adaptive control of nonlinear zero-bias current magnetic bearing system. Nonlinear Dynamics, 2007, 48, 175-184.	5.2	30
9	Low Power Consumption Nonlinear Control with H <sub>∞</sub> Compensator for a Zero-Bias Flywheel AMB System. JVC/Journal of Vibration and Control, 2004, 10, 1151-1166.	2.6	29
10	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
11	Active permanent magnet support for a superconducting magnetic-bearing flywheel rotor. IEEE Transactions on Applied Superconductivity, 2000, 10, 1673-1677.	1.7	22
12	Radial stiffness improvement of a flywheel system using multi-surface superconducting levitation. Superconductor Science and Technology, 2017, 30, 035008.	3.5	22
13	Levitation analysis of a ring shaped permanent magnet high temperature superconductor vertical bearing system. Superconductor Science and Technology, 2007, 20, 559-563.	3.5	20
14	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
15	Multisurface HTS-PM Levitation for a Flywheel System. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	18
16	Active Control of a Small-Scale Wind Turbine Blade Containing Magnetorheological Fluid. Micromachines, 2018, 9, 80.	2.9	15
17	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
18	ACOUSTIC POWER SUPPRESSION OF A PANEL STRUCTURE USING H <sub>∞</sub> OUTPUT FEEDBACK CONTROL. Journal of Sound and Vibration, 2002, 249, 885-897.	3.9	13

#	ARTICLE	IF	CITATIONS
19	Sliding mode control with gain scheduled hyperplane for LPV plant. , 1999, , 263-279.		11
20	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
21	Novel repulsive magnetic bearing flywheel system with composite adaptive control. IET Electric Power Applications, 2019, 13, 676-685.	1.8	11
22	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
23	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
24	H $\infty$ 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
25	Semi-active Vibration Control of Lateral and Rolling Motions for a Straddle Type Monorail Vehicle. IFAC-PapersOnLine, 2016, 49, 279-284.	0.9	8
26	Superconducting levitation analysis of a flywheel system using H-formulation. Physica C: Superconductivity and Its Applications, 2019, 561, 64-70.	1.2	8
27	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
28	Adaptive control of structures with MR damper. , 2009, , .		5
29	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
30	Dynamical analysis of a flywheel-superconducting bearing with a moving magnet support. Superconductor Science and Technology, 2003, 16, 1268-1272.	3.5	4
31	Composite Adaptive Control of Single Gimbal Control Moment Gyroscope Supported by Active Magnetic Bearings. Journal of Aerospace Engineering, 2017, 30, .	1.4	4
32	Constrained adaptive backstepping control of a semi-active suspension considering suspension travel limits. Asian Journal of Control, 2021, 23, 1380-1393.	3.0	4
33	Inertial load effects on a single axis gimbal flywheel with magnetic bearings. , 2011, , .		3
34	A new guideway design for the HTS Maglev vehicles considering curve negotiation. Journal of Physics: Conference Series, 2021, 1975, 012030.	0.4	2
35	Observer based output feedback control of thrust magnetic bearings. , 2011, , .		1
36	Active Robust Control of Elastic Blade Element Containing Magnetorheological Fluid. IOP Conference Series: Materials Science and Engineering, 2018, 326, 012017.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Robust Variable Structure Controllers for Axial Active Magnetic Bearing. International Journal of Applied Mathematics Electronics and Computers, 0, , 178-178.	0.3	1
38	Structural mode filtering of a discrete-parameter system using PVDF sensors. International Applied Mechanics, 2006, 42, 241-246.	0.6	0
39	Adaptive control of a novel hybrid magnetic bearing flywheel system for use in momentum exchange devices. , 2013, , .		0
40	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
41	An Evaluation of Sliding Mode Control for Vehicle Suspensions. Journal of Robotics and Mechatronics, 2002, 14, 420-428.	1.0	0
42	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
43	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