

Rahmi GÃ¶lÃ¼k

List of Publications by Year in descending order

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35
papers

829
citations

623734

14
h-index

501196

28
g-index

37
all docs

37
docs citations

37
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration control of a structure with ATMD against earthquake using fuzzy logic controllers. Journal of Sound and Vibration, 2008, 318, 36-49.	3.9	169
2	Sliding mode and PID control of a structural system against earthquake. Mathematical and Computer Modelling, 2006, 44, 210-217.	2.0	103
3	Fuzzy Logic Control of Seat Vibrations of a Non-Linear Full Vehicle Model. Nonlinear Dynamics, 2005, 40, 21-34.	5.2	65
4	Fuzzy Logic Control of a Non-linear Structural System against Earthquake Induced Vibration. JVC/Journal of Vibration and Control, 2007, 13, 1535-1551.	2.6	57
5	Neural network control of seat vibrations of a non-linear full vehicle model using PMSM. Mathematical and Computer Modelling, 2008, 47, 1356-1371.	2.0	46
6	Fuzzy Logic Control of Vibrations of a Light Rail Transport Vehicle in Use in Istanbul Traffic. JVC/Journal of Vibration and Control, 2009, 15, 1423-1440.	2.6	46
7	Seismic-vibration mitigation of a nonlinear structural system with an ATMD through a fuzzy PID controller. Nonlinear Dynamics, 2009, 58, 553-564.	5.2	45
8	Self-tuning fuzzy logic control of a non-linear structural system with ATMD against earthquake. Nonlinear Dynamics, 2009, 56, 199-211.	5.2	25
9	Reliability and fatigue life evaluation of railway axles. Journal of Mechanical Science and Technology, 2010, 24, 671-679.	1.5	24
10	Robust Delay-Dependent H [∞] Control for Uncertain Structural Systems With Actuator Delay. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	21
11	Semiactive Self-Tuning Fuzzy Logic Control of Full Vehicle Model with MR Damper. Advances in Mechanical Engineering, 2014, 6, 816813.	1.6	21
12	Self-tuning fuzzy logic control of crane structures against earthquake induced vibration. Nonlinear Dynamics, 2011, 64, 375-384.	5.2	19
13	Fuzzy logic control of vehicle suspensions with dry friction nonlinearity. Sadhana - Academy Proceedings in Engineering Sciences, 2005, 30, 649-659.	1.3	18
14	Evaluation of Sliding Mode and Proportional-Integral-Derivative Controlled Structures with an Active Mass Damper. JVC/Journal of Vibration and Control, 2005, 11, 397-406.	2.6	18
15	Instantaneous center of rotation behavior of the lumbar spine with ligament failure. Journal of Neurosurgery: Spine, 2013, 18, 617-626.	1.7	18
16	Different control applications on a vehicle using fuzzy logic control. Sadhana - Academy Proceedings in Engineering Sciences, 2008, 33, 15-25.	1.3	15
17	CBA-neural network control of a non-linear full vehicle model. Simulation Modelling Practice and Theory, 2008, 16, 1163-1176.	3.8	13
18	Railway Axle Analyses: Fatigue Damage and Life Analysis of Rail Vehicle Axle. Strojnicki Vestnik/Journal of Mechanical Engineering, 2012, 58, 545-552.	1.1	11

#	ARTICLE	IF	CITATIONS
19	Rail Vehicle Vibrations Control Using Parameters Adaptive PID Controller. Mathematical Problems in Engineering, 2014, 2014, 1-10.	1.1	11
20	Robust H ∞ Control of STMDs Used in Structural Systems by Hardware in the Loop Simulation Method. Actuators, 2020, 9, 55.	2.3	11
21	Vibrations control of light rail transportation vehicle via PID type fuzzy controller using parameters adaptive method. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	1.4	7
22	Steering DTC algorithm for IPMSM used in electrical vehicle (EV)- with fast response and minimum torque ripple. , 2010, , .		5
23	Determination of critical section of wagon axle by considering dynamic and safety factors. AEJ - Alexandria Engineering Journal, 2019, 58, 611-624.	6.4	5
24	Dynamic analysis of rail vehicle axle. Sadhana - Academy Proceedings in Engineering Sciences, 2013, 38, 265.	1.3	4
25	Active Suspension Control of Eight Degrees of Freedom Vehicle Model. Mathematical and Computational Applications, 2004, 9, 1-10.	1.3	3
26	Cluster PID Control of Viaduct Road Vibration. International Applied Mechanics, 2005, 41, 1204-1209.	0.6	3
27	A New Approach for Reliability Life Prediction of Rail Vehicle Axle by Considering Vibration Measurement. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	2
28	Delay-Dependent H ∞ Controller Design for Seismic-Excited Structures with Actuator Delay under Consideration of Actuator Saturation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11036-11041.	0.4	1
29	Adaptive Vibration Controller Design for Structural Systems Despite Unknown Seismic Disturbance. , 2018, , .		1
30	ACTIVE CONTROL OF VIADUCT ROAD VIBRATIONS USING SLIDING MODES. The Proceedings of the International Conference on Motion and Vibration Control, 2002, 6.1, 100-104.	0.0	1
31	Seismic Vibration Attenuation of a Structural System Having Actuator Saturation with a Delay-Dependent H ∞ Controller. Springer Proceedings in Physics, 2011, , 413-417.	0.2	1
32	H ∞ Optimal Control of DTMB 5415 Combatant Roll Motion with Active Fins. , 2020, , .		1
33	Vibration reduction of semi-trailer truck using MR dampers: A fuzzy logic control approach. , 2016, , .		0
34	Use of a H ∞ Controller on a Half Semi-trailer Truck Model to Reduce Vibrations and Its Implications on Human Factor. Advances in Intelligent Systems and Computing, 2019, , 421-435.	0.6	0
35	Hybrid experimental investigation of MR damper controlled tuned mass damper used for structures under earthquakes. , 0, , 0-0.		0