Nurkan Yagiz

List of Publications by Year
in descending order

43	840	623188	500791
papers	citations	14	28
		h-index	g-index

43	43	43	670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Backstepping control of a vehicle with active suspensions. Control Engineering Practice, 2008, 16, 1457-1467.	3.2	185
2	Fuzzy Sliding-Mode Control of Active Suspensions. IEEE Transactions on Industrial Electronics, 2008, 55, 3883-3890.	5.2	137
3	MIMO fuzzy sliding mode controlled dual arm robot in load transportation. Journal of the Franklin Institute, 2011, 348, 1886-1902.	1.9	53
4	Robust control of a spatial robot using fuzzy sliding modes. Mathematical and Computer Modelling, 2009, 49, 114-127.	2.0	45
5	High order sliding mode control with estimation for vehicle active suspensions. Transactions of the Institute of Measurement and Control, 2018, 40, 1457-1470.	1.1	45
6	Load transportation by dual arm robot using sliding mode control. Journal of Mechanical Science and Technology, 2010, 24, 1177-1184.	0.7	33
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	Sliding mode control of active suspensions for a full vehicle model. International Journal of Vehicle Design, 2001, 26, 264.	0.1	31
9	Fuzzy Sliding Modes with Moving Surface for the Robust Control of a Planar Robot. JVC/Journal of Vibration and Control, 2005, 11, 903-922.	1.5	27
10	Improving the ride comfort of vehicle passenger using fuzzy sliding mode controller. JVC/Journal of Vibration and Control, 2015, 21, 1667-1679.	1.5	25
11	Adaptive backstepping control with estimation for the vibration isolation of buildings. JVC/Journal of Vibration and Control, 2012, 18, 1996-2005.	1.5	24
12	Robust Sliding Mode Control of a Full Vehicle Without Suspension Gap Loss. JVC/Journal of Vibration and Control, 2005, 11, 1357-1374.	1.5	23
13	Fuzzy logic control of vehicle suspensions with dry friction nonlinearity. Sadhana - Academy Proceedings in Engineering Sciences, 2005, 30, 649-659.	0.8	18
14	Prosthetic Hand Finger Control Using Fuzzy Sliding Modes. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 52, 121-138.	2.0	16
15	Different control applications on a vehicle using fuzzy logic control. Sadhana - Academy Proceedings in Engineering Sciences, 2008, 33, 15-25.	0.8	15
16	Active suspension control of a railway vehicle with a flexible body. International Journal of Vehicle Autonomous Systems, 2005, 3, 80.	0.2	12
17	Sliding Mode Control of a Finger for a Prosthetic Hand. JVC/Journal of Vibration and Control, 2007, 13, 733-749.	1.5	12
18	Experimental evaluation of a fuzzy logic controller on a quarter car test rig. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2433-2445.	0.8	11

#	Article	IF	Citations
19	Vibrations of a Rectangular Bridge as an Isotropic Plate under a Traveling Full Vehicle Model. JVC/Journal of Vibration and Control, 2006, 12, 83-98.	1.5	10
20	Sliding mode control of a line following robot. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	10
21	Vibration control of vehicles with active tuned mass damper. Journal of Vibroengineering, 2017, 19, 3533-3541.	0.5	9
22	Comparison and evaluation of different control strategies on a full vehicle model with passenger seat using sliding modes. International Journal of Vehicle Design, 2004, 34, 168.	0.1	8
23	Fuzzy logic control of a full vehicle without suspension gap degeneration. International Journal of Vehicle Design, 2006, 42, 198.	0.1	8
24	Suppression of structural vibrations using PDPIÂ+ÂPI type fuzzy logic controlled active dynamic absorber. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2105-2115.	0.8	8
25	Fuzzy robust backstepping with estimation for the control of a robot manipulator. Transactions of the Institute of Measurement and Control, 2019, 41, 2816-2825.	1.1	8
26	Analysis of Passenger Ride Comfort. MATEC Web of Conferences, 2012, 1, 03003.	0.1	7
27	Fuzzy logic control for active bus suspension system. Journal of Physics: Conference Series, 2013, 410, 012006.	0.3	5
28	Sliding modes control of active suspensions. , 0, , .		4
29	Robust Control of a Spatial Robot Using Sliding Modes. Mathematical and Computational Applications, 2002, 7, 219-228.	0.7	3
30	Cluster PID Control of Viaduct Road Vibration. International Applied Mechanics, 2005, 41, 1204-1209.	0.2	3
31	Controlling the building model using high order sliding mode control optimized by multi objective genetic algorithm. Periodicals of Engineering and Natural Sciences, 2017, 5, .	0.3	3
32	Evaluation of Control Methods on a Structural System. Mathematical and Computational Applications, 2003, 8, 369-376.	0.7	2
33	Fuzzy sliding mode control of a finger of a humanoid robot hand. Expert Systems, 2009, 26, 291-303.	2.9	2
34	Control of vehicle active suspensions by using PD+PI type fuzzy logic with sliding surface. Journal of Physics: Conference Series, 2013, 410, 012002.	0.3	2
35	Design of a fuzzy robust-adaptive control law for active suspension systems. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	2
36	Fuzzy Logic Preanesthetic Risk Evaluation of Laparoscopic Cholecystectomy Operations. American Surgeon, 2021, , 000313482110298.	0.4	1

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37	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
38	Dynamic absorber design for experimental two storey building model. , 2012, , .		0
39	Lumped parameter identification of a quarter car test rig. Journal of Physics: Conference Series, 2013, 410, 012089.	0.3	0
40	SLIDING MODE CONTROL OF A FULL VEHICLE WITH NON-LINEARITY. The Proceedings of the International Conference on Motion and Vibration Control, 2002, 6.2, 861-866.	0.0	0
41	MODAL ANALYSYS OF VIADUCT ROAD VIBRATIONS. The Proceedings of the International Conference on Motion and Vibration Control, 2002, 6.1, 64-69.	0.0	0
42	Control of a Biomimetic Robot Hand Finger. Advances in Computational Intelligence and Robotics Book Series, 2015, , 475-499.	0.4	0
43	Determination of Preanesthetic High-Risk Using Fuzzy Risk Evaluation for Surgical Operations. Turkiye Klinikleri Journal of Medical Sciences, 2019, 39, 19-25.	0.1	0