

Nurkan Yagiz

List of Publications by Year in descending order

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43
papers

840
citations

623188

14
h-index

500791

28
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43
all docs

43
docs citations

43
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy Logic Preanesthetic Risk Evaluation of Laparoscopic Cholecystectomy Operations. American Surgeon, 2021, , 000313482110298.	0.4	1
2	Sliding mode control of a line following robot. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	10
3	Design of a fuzzy robust-adaptive control law for active suspension systems. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	2
4	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
5	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
6	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
7	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
8	Vibration control of vehicles with active tuned mass damper. Journal of Vibroengineering, 2017, 19, 3533-3541.	0.5	9
9	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
10	Suppression of structural vibrations using PDPI+PI type fuzzy logic controlled active dynamic absorber. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2105-2115.	0.8	8
11	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
12	Control of a Biomimetic Robot Hand Finger. Advances in Computational Intelligence and Robotics Book Series, 2015, , 475-499.	0.4	0
13	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
14	Lumped parameter identification of a quarter car test rig. Journal of Physics: Conference Series, 2013, 410, 012089.	0.3	0
15	Fuzzy logic control for active bus suspension system. Journal of Physics: Conference Series, 2013, 410, 012006.	0.3	5
16	Dynamic absorber design for experimental two storey building model. , 2012, , .		0
17	Adaptive backstepping control with estimation for the vibration isolation of buildings. JVC/Journal of Vibration and Control, 2012, 18, 1996-2005.	1.5	24
18	Analysis of Passenger Ride Comfort. MATEC Web of Conferences, 2012, 1, 03003.	0.1	7

#	ARTICLE	IF	CITATIONS
19	MIMO fuzzy sliding mode controlled dual arm robot in load transportation. Journal of the Franklin Institute, 2011, 348, 1886-1902.	1.9	53
20	Load transportation by dual arm robot using sliding mode control. Journal of Mechanical Science and Technology, 2010, 24, 1177-1184.	0.7	33
21	Fuzzy sliding mode control of a finger of a humanoid robot hand. Expert Systems, 2009, 26, 291-303.	2.9	2
22	Robust control of a spatial robot using fuzzy sliding modes. Mathematical and Computer Modelling, 2009, 49, 114-127.	2.0	45
23	Prosthetic Hand Finger Control Using Fuzzy Sliding Modes. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 52, 121-138.	2.0	16
24	Different control applications on a vehicle using fuzzy logic control. Sadhana - Academy Proceedings in Engineering Sciences, 2008, 33, 15-25.	0.8	15
25	Backstepping control of a vehicle with active suspensions. Control Engineering Practice, 2008, 16, 1457-1467.	3.2	185
26	Fuzzy Sliding-Mode Control of Active Suspensions. IEEE Transactions on Industrial Electronics, 2008, 55, 3883-3890.	5.2	137
27	Sliding Mode Control of a Finger for a Prosthetic Hand. JVC/Journal of Vibration and Control, 2007, 13, 733-749.	1.5	12
28	Fuzzy logic control of a full vehicle without suspension gap degeneration. International Journal of Vehicle Design, 2006, 42, 198.	0.1	8
29	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
30	Active suspension control of a railway vehicle with a flexible body. International Journal of Vehicle Autonomous Systems, 2005, 3, 80.	0.2	12
31	Fuzzy logic control of vehicle suspensions with dry friction nonlinearity. Sadhana - Academy Proceedings in Engineering Sciences, 2005, 30, 649-659.	0.8	18
32	Cluster PID Control of Viaduct Road Vibration. International Applied Mechanics, 2005, 41, 1204-1209.	0.2	3
33	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
34	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
35	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
36	Evaluation of Control Methods on a Structural System. Mathematical and Computational Applications, 2003, 8, 369-376.	0.7	2

#	ARTICLE	IF	CITATIONS
37	Robust Control of a Spatial Robot Using Sliding Modes. Mathematical and Computational Applications, 2002, 7, 219-228.	0.7	3
38	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
39	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
40	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
41	Sliding mode control of active suspensions for a full vehicle model. International Journal of Vehicle Design, 2001, 26, 264.	0.1	31
42	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
43	Sliding modes control of active suspensions. , 0, , .		4