

Sy Dzung Nguyen

List of Publications by Year in descending order

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papers

558
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docs citations

31
times ranked

434
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid clustering based fuzzy structure for vibration control “ Part 2: An application to semi-active vehicle seat-suspension system. Mechanical Systems and Signal Processing, 2015, 56-57, 288-301.	4.4	79
2	A new fuzzy-disturbance observer-enhanced sliding controller for vibration control of a train-car suspension with magneto-rheological dampers. Mechanical Systems and Signal Processing, 2018, 105, 447-466.	4.4	52
3	Smart dampers-based vibration control “ Part 2: Fractional-order sliding control for vehicle suspension system. Mechanical Systems and Signal Processing, 2021, 148, 107145.	4.4	32
4	Recurrent Mechanism and Impulse Noise Filter for Establishing ANFIS. IEEE Transactions on Fuzzy Systems, 2018, 26, 985-997.	6.5	30
5	Design of active suspension controller for train cars based on sliding mode control, uncertainty observer and neuro-fuzzy system. JVC/Journal of Vibration and Control, 2017, 23, 1334-1353.	1.5	29
6	A new method for beam-damage-diagnosis using adaptive fuzzy neural structure and wavelet analysis. Mechanical Systems and Signal Processing, 2013, 39, 181-194.	4.4	28
7	Hybrid clustering based fuzzy structure for vibration control “ Part 1: A novel algorithm for building neuro-fuzzy system. Mechanical Systems and Signal Processing, 2015, 50-51, 510-525.	4.4	28
8	A new fuzzy sliding mode controller for vibration control systems using integrated-structure smart dampers. Smart Materials and Structures, 2017, 26, 045038.	1.8	27
9	Nonlinear adaptive control based on fuzzy sliding mode technique and fuzzy-based compensator. ISA Transactions, 2017, 70, 309-321.	3.1	25
10	Fractional-order sliding-mode controller for semi-active vehicle MRD suspensions. Nonlinear Dynamics, 2020, 101, 795-821.	2.7	22
11	A new neuro-fuzzy training algorithm for identifying dynamic characteristics of smart dampers. Smart Materials and Structures, 2012, 21, 085021.	1.8	21
12	Novel fuzzy sliding controller for MRD suspensions subjected to uncertainty and disturbance. Engineering Applications of Artificial Intelligence, 2017, 61, 65-76.	4.3	20
13	Establishing ANFIS and the use for predicting sliding control of active railway suspension systems subjected to uncertainties and disturbances. International Journal of Machine Learning and Cybernetics, 2018, 9, 853-865.	2.3	19
14	Design of a new adaptive neuro-fuzzy inference system based on a solution for clustering in a data potential field. Fuzzy Sets and Systems, 2015, 279, 64-86.	1.6	18
15	Algorithm for Estimating Online Bearing Fault Upon the Ability to Extract Meaningful Information From Big Data of Intelligent Structures. IEEE Transactions on Industrial Electronics, 2019, 66, 3804-3813.	5.2	18
16	An optimal design of interval type-2 fuzzy logic system with various experiments including magnetorheological fluid damper. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 3090-3106.	1.1	17
17	ANFIS deriving from jointed input-output data space and applying in smart-damper identification. Applied Soft Computing Journal, 2017, 53, 45-60.	4.1	15
18	Bearing Fault Online Identification Based on ANFIS. International Journal of Control, Automation and Systems, 2021, 19, 1703-1714.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Adaptive fuzzy sliding control enhanced by compensation for explicitly unidentified aspects. International Journal of Control, Automation and Systems, 2017, 15, 2906-2920.	1.6	13
20	A novel minimum-maximum data-clustering algorithm for vibration control of a semi-active vehicle suspension system. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2013, 227, 1242-1254.	1.1	11
21	Smart dampers-based vibration control – Part 1: Measurement data processing. Mechanical Systems and Signal Processing, 2020, 145, 106958.	4.4	9
22	Determination of the Optimal Number of Clusters: A Fuzzy-Set Based Method. IEEE Transactions on Fuzzy Systems, 2022, 30, 3514-3526.	6.5	8
23	A fuzzy-based dynamic inversion controller with application to vibration control of vehicle suspension system subjected to uncertainties. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 1103-1119.	0.7	7
24	A Robust Vibration Control of a Magnetorheological Damper Based Railway Suspension Using a Novel Adaptive Type 2 Fuzzy Sliding Mode Controller. Shock and Vibration, 2017, 2017, 1-14.	0.3	4
25	Processing Online Massive Measuring Databases via Data-Uncertainty Quantifying Mechanism to Synthesize ANFIS. International Journal of Fuzzy Systems, 2020, 22, 1679-1693.	2.3	4
26	A structure damage detection method based on wavelet analysis and type-2 fuzzy logic system. , 2014, , .		2
27	SD-TCSs Control Deriving from Fractional-order Sliding Mode and Fuzzy-compensator. International Journal of Control, Automation and Systems, 2022, 20, 1745-1755.	1.6	2
28	ENSO-based tropical cyclone forecasting using CF-ANFIS. Vietnam Journal of Computer Science, 2016, 3, 81-91.	1.0	1
29	ANFIS: Establishing and Applying to Managing Online Damage. , 0, , .		1
30	Fault diagnosis of rolling bearings using singular spectrum analysis and artificial neural networks. Vietnam Journal of Mechanics, 2021, 43, 183-196.	0.2	1
31	Designing optimal fuzzy-compensator-enhanced sliding controller for train-car semi-active suspensions. , 2017, , .		0