Sy Dzung Nguyen

List of Publications by Year
in descending order

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31	558	566801 15	642321 23
papers	citations	h-index	g-index

31	31	31	434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of the Optimal Number of Clusters: A Fuzzy-Set Based Method. IEEE Transactions on Fuzzy Systems, 2022, 30, 3514-3526.	6.5	8
2	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
3	Smart dampers-based vibration control â€“ Part 2: Fractional-order sliding control for vehicle suspension system. Mechanical Systems and Signal Processing, 2021, 148, 107145.	4.4	32
4	Bearing Fault Online Identification Based on ANFIS. International Journal of Control, Automation and Systems, 2021, 19, 1703-1714.	1.6	15
5	Fault diagnosis of rolling bearings using singular spectrum analysis and artificial neural networks. Vietnam Journal of Mechanics, 2021, 43, 183-196.	0.2	1
6	Fractional-order sliding-mode controller for semi-active vehicle MRD suspensions. Nonlinear Dynamics, 2020, 101, 795-821.	2.7	22
7	Smart dampers-based vibration control â€“ Part 1: Measurement data processing. Mechanical Systems and Signal Processing, 2020, 145, 106958.	4.4	9
8	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
9	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
10	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
11	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
12	Recurrent Mechanism and Impulse Noise Filter for Establishing ANFIS. IEEE Transactions on Fuzzy Systems, 2018, 26, 985-997.	6.5	30
13	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
14	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
15	Novel fuzzy sliding controller for MRD suspensions subjected to uncertainty and disturbance. Engineering Applications of Artificial Intelligence, 2017, 61, 65-76.	4.3	20
16	Nonlinear adaptive control based on fuzzy sliding mode technique and fuzzy-based compensator. ISA Transactions, 2017, 70, 309-321.	3.1	25
17	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
18	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

#	Article	IF	Citations
19	Designing optimal fuzzy-compensator-enhanced sliding controller for train-car semi-active suspensions. , 2017, , .		0
20	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
21	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
22	ENSO-based tropical cyclone forecasting using CF-ANFIS. Vietnam Journal of Computer Science, 2016, 3, 81-91.	1.0	1
23	A hybrid clustering based fuzzy structure for vibration control â€“ Part 2: An application to semi-active vehicle seat-suspension system. Mechanical Systems and Signal Processing, 2015, 56-57, 288-301.	4.4	79
24	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
25	Hybrid clustering based fuzzy structure for vibration control â€“ Part 1: A novel algorithm for building neuro-fuzzy system. Mechanical Systems and Signal Processing, 2015, 50-51, 510-525.	4.4	28
26	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
27	A structure damage detection method based on wavelet analysis and type-2 fuzzy logic system. , 2014, , .		2
28	A novel minimumâ€“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
29	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
30	A new neuro-fuzzy training algorithm for identifying dynamic characteristics of smart dampers. Smart Materials and Structures, 2012, 21, 085021.	1.8	21
31	ANFIS: Establishing and Applying to Managing Online Damage. , 0, , .		1