

# Intan Zaurah Mat Darus

## List of Publications by Year in descending order

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100  
papers

743  
citations

623188

14  
h-index

642321

23  
g-index

103  
all docs

103  
docs citations

103  
times ranked

518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft computing-based active vibration control of a flexible structure. <i>Engineering Applications of Artificial Intelligence</i> , 2005, 18, 93-114.	4.3	49
2	Genetic algorithm-based identification of transfer function parameters for a rectangular flexible plate system. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 1388-1397.	4.3	42
3	Application of adaptive neural predictive control for an automotive air conditioning system. <i>Applied Thermal Engineering</i> , 2014, 73, 1244-1254.	3.0	42
4	Vibration control of semi-active suspension system using PID controller with advanced firefly algorithm and particle swarm optimization. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 1119-1137.	3.3	40
5	Intelligent fuzzy logic with firefly algorithm and particle swarm optimization for semi-active suspension system using magneto-rheological damper. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 501-514.	1.5	36
6	Self-learning active vibration control of a flexible plate structure with piezoelectric actuator. <i>Simulation Modelling Practice and Theory</i> , 2010, 18, 516-532.	2.2	35
7	Dynamic modelling of an automotive variable speed air conditioning system using nonlinear autoregressive exogenous neural networks. <i>Applied Thermal Engineering</i> , 2014, 73, 1255-1269.	3.0	35
8	Active vibration control of a flexible beam using system identification and controller tuning by evolutionary algorithm. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 2027-2042.	1.5	32
9	Comparison of Semi-Distributed, GIS-Based Hydrological Models for the Prediction of Streamflow in a Large Catchment. <i>Water Resources Management</i> , 2015, 29, 3095-3110.	1.9	30
10	Non-parametric modelling of a rectangular flexible plate structure. <i>Engineering Applications of Artificial Intelligence</i> , 2012, 25, 94-106.	4.3	28
11	Parametric and Non-Parametric Identification of a Two Dimensional Flexible Structure. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2006, 25, 119-143.	1.3	20
12	Active vibration control of a horizontal flexible plate structure using intelligent proportional-integral-derivative controller tuned by fuzzy logic and artificial bee colony algorithm. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 1159-1171.	1.3	20
13	Fuzzy logic with a novel advanced firefly algorithm and sensitivity analysis for semi-active suspension system using magneto-rheological damper. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 3263-3278.	3.3	17
14	Active Vibration Control of Flexible Structures Using Genetic Optimisation. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2006, 25, 195-207.	1.3	16
15	Self-tuning PID controller for active suspension system with hydraulic actuator. , 2013, , .		15
16	Intelligent modeling of double link flexible robotic manipulator using artificial neural network. <i>Journal of Vibroengineering</i> , 2018, 20, 1021-1034.	0.5	14
17	Optimization of FDM process parameters to minimize surface roughness with integrated artificial neural network model and symbiotic organism search. <i>Neural Computing and Applications</i> , 2022, 34, 17423-17439.	3.2	14
18	Online monitoring and self-tuning control using pole placement method for active vibration control of a flexible beam. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 449-460.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Observer design for active suspension system using sliding mode control. , 2010, , .		12
20	Finite Difference Simulation of a Flexible Plate Structure. Journal of Low Frequency Noise Vibration and Active Control, 2004, 23, 27-46.	1.3	10
21	Active vibration control of flexible beam system using proportional control scheme in finite difference simulation platform. , 2011, , .		10
22	Experimental study of vortex-induced vibrations of flexibly mounted cylinder in circulating water tunnel. Acta Mechanica, 2015, 226, 3795-3806.	1.1	9
23	Development of an experimental single-link flexible manipulator system. International Journal of Engineering and Technology(UAE), 2018, 7, 7.	0.2	8
24	Fuzzy PID controller simulation for a quarter-car semi-active suspension system using Magnetorheological damper. , 2012, , .		7
25	Intelligent PID controller using iterative learning algorithm for active vibration controller of flexible beam. , 2013, , .		7
26	TOPMODEL for Streamflow Simulation of a Tropical Catchment Using Different Resolutions of ASTER DEM: Optimization Through Response Surface Methodology. Water Resources Management, 2016, 30, 3159-3173.	1.9	7
27	A MEAN VALUE MODEL FOR ESTIMATION OF LAMINAR AND TURBULENT FLAME SPEED IN SPARK-IGNITION ENGINE. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2224-2234.	0.5	7
28	Modeling and Simulation of an Active Vibration Control System for a Flexible Structure Using Finite Difference Method. , 2009, , .		6
29	Particle swarm optimization for identification of a flexible manipulator system. , 2013, , .		6
30	Intelligent Cuckoo Search Algorithm of PID and Skyhook Controller for Semi-Active Suspension System using Magneto-Rheological Damper. Malaysian Journal of Fundamental and Applied Sciences, 2021, 17, 402-415.	0.4	6
31	Identification Algorithms of Flexible Structure Using Neural Networks. , 2006, , .		5
32	Neuro Modelling of Flexible Plate Structure Rig for Development of Active Vibration Control Algorithm. , 2010, , .		5
33	Genetic modeling of a rectangular flexible plate system with free-free-clamped-clamped (FFCC) edges. , 2012, , .		5
34	Active vibration control of marine riser. , 2012, , .		5
35	Application of Multilayer Perceptron and Radial Basis Function Neural Network in steady state modeling of automotive air conditioning system. , 2012, , .		5
36	Self-Tuning PID Controller with MR damper and Hydraulic Actuator for Suspension System. , 2013, , .		5

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37	Dynamic modeling of an automotive air conditioning system and an auto tuned PID controller using extremum seeking algorithm. , 2013, , .		5
38	PID Controller for Idle Speed Control. , 2013, , .		5
39	Parametric Modeling of a Flexible 2D Structure. Journal of Low Frequency Noise Vibration and Active Control, 2004, 23, 115-131.	1.3	4
40	System Identification for Internal Combustion Engine Model. , 2012, , .		4
41	Comparative analysis of different engine operating parameters for on-board fuel octane number classification. Applied Thermal Engineering, 2017, 124, 327-336.	3.0	4
42	A Comparative Study on Knock Occurrence for Different Fuel Octane Number. , 0, , .		4
43	SEMI-DISTRIBUTED NEURAL NETWORK MODELS FOR STREAMFLOW PREDICTION IN A SMALL CATCHMENT PINANG. Environmental Engineering and Management Journal, 2019, 18, 535-544.	0.2	4
44	Dynamic Characterization of Flexible Vibrating Structures Using Adaptive Neuro-fuzzy Inference System (ANFIS). , 2006, , .		3
45	Optimal placement of piezoelectric actuator for active vibration control of flexible plate. , 2010, , .		3
46	Calculating the frequency modes of flexible square plate using Finite Element and Finite Difference Methods. , 2010, , .		3
47	Enhancement of SUV Roll Dynamics Using Fuzzy Logic Control. , 2011, , .		3
48	Identification and Control of a Piezoelectric Bender Actuator. , 2012, , .		3
49	Parametric identification and dynamic characterisation of flexible manipulator system. , 2012, , .		3
50	System Identification of Flexible Beam Structure Using Artificial Neural Network. , 2013, , .		3
51	Non-parametric neuro-model of a flexible beam structure. , 2013, , .		3
52	Modeling flexible plate structure system with free-free-clamped-clamped (FFCC) edges using Particle Swarm Optimization. , 2013, , .		3
53	NARMA-L2 Vibration Controller for Flexible Structure with Non-collocated Sensor-Actuator. , 2013, , .		3
54	Modeling of Flexible Manipulator Structure Using Genetic Algorithm with Parameter Exchanger. , 2013, , .		3

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55	Evolutionary algorithms for self-tuning Active Vibration Control of flexible beam. , 2013, , .		3
56	Implementation of active control on flexibly mounted pipe exposed to vortex induced vibration using rotating rod. Meccanica, 2018, 53, 2091-2103.	1.2	3
57	Modelling and control of horizontal flexible plate using particle swarm optimization. International Journal of Engineering and Technology(UAE), 2018, 7, 13.	0.2	3
58	Implementation of swarm algorithm in modeling a flexible beam structure. Journal of Vibroengineering, 2016, 18, 4914-4934.	0.5	3
59	Development of a Flexible Plate Structure Rig for Implementation of Active Vibration Control Algorithm. , 2010, , .		2
60	Active vibration control of a flexible plate via Active Force Control strategy. , 2011, , .		2
61	Experimental evaluation of Active Vibration Control of a flexible plate using proportional gain controller. , 2011, , .		2
62	Neuro-fuzzy Identification of Flexible Beam Structure. , 2012, , .		2
63	Active vibration control using pole placement method of a flexible plate structure optimised by genetic algorithm. , 2012, , .		2
64	Identification for automotive air-conditioning system using Particle Swarm Optimization. , 2013, , .		2
65	System identification of flexibly mounted cylindrical pipe due to vortex induced vibration. , 2013, , .		2
66	Mechatronic and instrumentation of automotive air conditioning test rig. , 2014, , .		2
67	A New Approach for Ignition Timing Correction in Spark Ignition Engines Based on Cylinder Tendency to Surface Ignition. Applied Mechanics and Materials, 0, 819, 272-276.	0.2	2
68	Arduino-Based Data Logger for Driving Comfort Analysis. , 2019, , .		2
69	Modelling of flexible beam based on ant colony optimization and cuckoo search algorithms. Journal of Vibroengineering, 0, , .	0.5	2
70	Magnetorheological Damper Control for Semi-active Suspension System Using Skyhook-Differential Evolution. Lecture Notes in Electrical Engineering, 2022, , 161-171.	0.3	2
71	NON-PARAMETRIC MODELING OF DOUBLE-LINK FLEXIBLE ROBOT MANIPULATOR BASED ON NNARX MODEL STRUCTURE. , 2016, , 559-566.		2
72	Adaptive neuro-active vibration suppression of a flexible plate structure. , 0, , .		1

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73	Optimal location of sensor for active vibration control of flexible square plate. , 2010, , .		1
74	Genetic algorithm identification for automotive air-conditioning system. , 2013, , .		1
75	Results on Frequency Weighted Model Reduction Techniques of Activated Sludge Process. , 2013, , .		1
76	MATLAB based graphical user interface application for vibration simulation of beam structure. , 2013, , .		1
77	Fuzzy-PID Control of Transverse Vibrating Pipe Due to Vortex Induced Vibration. , 2013, , .		1
78	Active vibration control of flexible plate with free-free-clamped-clamped edges using genetic algorithm. , 2013, , .		1
79	Multi objective optimization of an evolutionary feedforward neural network for the automotive air conditioning system performance prediction. , 2014, , .		1
80	Fuzzy logic with firefly algorithm for semi-active suspension system using magneto-rheological damper. , 2014, , .		1
81	Modeling of flexible manipulator structure using particle swarm optimization with Explorer. , 2014, , .		1
82	Development of controller graphical user interface for vibration suppression of flexible beam. , 2014, , .		1
83	Experimental Study of Active Vibration Control of a Flexible Beam System Using Iterative Learning Algorithm. Key Engineering Materials, 0, 660, 356-360.	0.4	1
84	Open Loop Active Control Technique on Segmented Marine Riser Vibration Using Electromechanical Actuator. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 799-813.	0.8	1
85	A Single Objective Flower Pollination Algorithm for Modeling the Horizontal Flexible Plate System. , 2019, , .		1
86	Modelling of Flexible Manipulator System Using Flower Pollination Algorithm. , 2019, , .		1
87	Modelling of a Flexible Single-Link Manipulator Using Metaheuristic Algorithms. International Review of Mechanical Engineering, 2014, 8, 1075.	0.1	1
88	Fuzzy iterative PID-type control of vortex induced vibration suppression. Journal of Vibroengineering, 2017, 19, 5137-5148.	0.5	1
89	PID Controller Based on Bird Mating Optimizer for Vibration Cancellation of Horizontal Flexible Plate. Lecture Notes in Electrical Engineering, 2022, , 169-180.	0.3	1
90	Direct neuro-AVC modelling and control strategy for vibration suppression of a flexible plate structure. , 0, , .		0

#	ARTICLE	IF	CITATIONS
91	Interactive learning framework for dynamic simulation and control of a two dimensional flexible plate structure. , 2007, , .		0
92	Effect of front double wishbone strut position on vehicle steering and suspension performance. , 2012, , .		0
93	Parametric and Non-Parametric Identification for an Automotive Air Conditioning System. , 2019, , .		0
94	Intelligent Cuckoo Search Algorithm of Skyhook Controller for Semi-Active Suspension using MR Damper. , 2019, , .		0
95	Intelligent Optimization of Force Tracking Parameters for MR Damper Modelling using Firefly Algorithm. , 2019, , .		0
96	Simulation of electro-mechanical friction clutch control using proportional derivative plus conditional integral control scheme for automotive application. International Journal of Advanced Mechatronic Systems, 2021, 9, 38.	0.1	0
97	Hub Angle Control for A Single Link Flexible Manipulator Based on Cuckoo Search Algorithm. , 2021, , .		0
98	Optimized Modeling of Flexible Beam Structure with Pole-Zero Estimation. International Review of Mechanical Engineering, 2019, 13, 148.	0.1	0
99	Daily discharge simulation: combining semi-distributed GIS-based and artificial intelligence models. International Journal of Hydrology Science and Technology, 2020, 10, 471.	0.2	0
100	MAGNETO-RHEOLOGICAL (MR) DAMPER â€™ PARAMETRIC MODELLING AND EXPERIMENTAL VALIDATION FOR LORD RD 8040-1. Jurnal Teknologi (Sciences and Engineering), 2022, 84, 27-34.	0.3	0