

Lassaad Walha

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6204961/publications.pdf>

Version: 2024-02-01

39
papers

498
citations

840776

11
h-index

713466

21
g-index

42
all docs

42
docs citations

42
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust method for the reliability-based design optimization of shape memory alloy actuator. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 1563-1581.	4.7	4
2	An efficient reliability-based design optimization study for PCM-based heat-sink used for cooling electronic devices. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1661-1673.	2.6	21
3	Estimation of the damping model of a spur gear pair system including a time-varying loading. <i>Comptes Rendus - Mecanique</i> , 2022, 350, 255-267.	0.7	0
4	Non-probabilistic interval process method for analyzing two-stage straight bevel gear system with uncertain time-varying parameters. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 3162-3178.	2.1	6
5	An approach for the reliability-based design optimization of shape memory alloy structure. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 155-171.	4.7	15
6	Vibration analysis of nonlinear powertrain model with randomly cracked teeth under acyclism operation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	1
7	Effects of mass imbalance and eccentricity defects on the automotive differential dynamics. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	0
8	An efficient optimization based on the robust hybrid method for the coupled acoustic-structural system. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 1816-1826.	2.6	23
9	Surrogate models for uncertainty analysis of micro-actuator. <i>Microsystem Technologies</i> , 2020, 26, 2589-2600.	2.0	10
10	Analysis of Strongly Nonlinear Systems by Using HBM-AFT Method and Its Comparison with the Five-Order Runge-Kutta Method: Application to Duffing Oscillator and Disc Brake Model. <i>International Journal of Applied and Computational Mathematics</i> , 2020, 6, 1.	1.6	2
11	The Effect of the Brake Location and Gear Defects on the Dynamic Behavior of a Wind Turbine. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5421-5433.	3.0	1
12	Rayleigh Damping Coefficients Identification Using the Wavelet Transform on Two Stage Gear System. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 204-213.	0.4	2
13	Coupling PCM-based Heat Sinks finite elements model for mechatronic devices with Design Optimization procedure. , 2020, , .		2
14	Parametric Study of a Minimal Model of Wind Turbine Drivetrain System. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 125-132.	0.4	0
15	Sensitivity Analysis of Porous Material Using the Mixed Formulation. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 105-112.	0.4	0
16	Modal Analysis of the Clutch Single Spur Gear Stage System with Eccentricity Defect. <i>Applied Condition Monitoring</i> , 2019, , 87-95.	0.4	2
17	Numerical modeling of shape memory alloy problem in presence of perturbation: application to Cu-Al-Zn-Mn specimen. <i>International Journal for Simulation and Multidisciplinary Design Optimization</i> , 2019, 10, A7.	1.1	0
18	Dynamic modelling of differential bevel gear system in the presence of a defect. <i>Mechanism and Machine Theory</i> , 2019, 139, 81-108.	4.5	20

#	ARTICLE	IF	CITATIONS
19	Reliability Based Design Optimization of Shape Memory Alloy. Applied Condition Monitoring, 2019, , 247-256.	0.4	0
20	Uncertainty of shape memory alloy micro-actuator using generalized polynomial chaos method. Microsystem Technologies, 2019, 25, 1505-1517.	2.0	2
21	Numerical modeling of uncertainty in acoustic propagation via generalized polynomial chaos. Journal of Theoretical and Applied Mechanics, 2019, 57, 3-15.	0.5	8
22	Damping models identification of a spur gear pair. Mechanism and Machine Theory, 2018, 122, 371-388.	4.5	11
23	Vibration Analysis of a Nonlinear Drivetrain System in the Presence of Acyclism. Lecture Notes in Mechanical Engineering, 2018, , 541-550.	0.4	2
24	Experimental Investigation of the Damage Progression in the Filament-Wound Composite by the Acoustic Emission Technique. Lecture Notes in Mechanical Engineering, 2018, , 1235-1243.	0.4	0
25	Dynamic vibrations in wind energy systems: Application to vertical axis wind turbine. Mechanical Systems and Signal Processing, 2017, 85, 396-414.	8.0	43
26	Study of the filament wound glass/polyester composite damage behavior by acoustic emission data unsupervised learning. Applied Acoustics, 2017, 127, 175-183.	3.3	16
27	Dynamic behaviour of a wind turbine gear system with uncertainties. Comptes Rendus - Mecanique, 2016, 344, 375-387.	2.1	18
28	Generalised Polynomial Chaos for the Dynamic Analysis of Spur Gear System Taken into Account Uncertainty. Lecture Notes in Mechanical Engineering, 2014, , 111-118.	0.4	0
29	A Polynomial Chaos Method for the Analysis of Uncertain Spur Gear System. Lecture Notes in Mechanical Engineering, 2014, , 89-97.	0.4	1
30	Effects of aerodynamic excitations on the dynamic behavior of helical gear system. Multidiscipline Modeling in Materials and Structures, 2012, 8, 178-196.	1.3	0
31	Dynamic behavior of a two-stage gear train used in a fixed-speed wind turbine. Mechanism and Machine Theory, 2011, 46, 1888-1900.	4.5	45
32	Effects of eccentricity defect on the nonlinear dynamic behavior of the mechanism clutch-helical two stage gear. Mechanism and Machine Theory, 2011, 46, 986-997.	4.5	26
33	Nonlinear dynamics of a two-stage gear system with mesh stiffness fluctuation, bearing flexibility and backlash. Mechanism and Machine Theory, 2009, 44, 1058-1069.	4.5	160
34	Effect of manufacturing defects on the dynamic behaviour for an helical two-stage gear system. Mecanique Et Industries, 2009, 10, 365-376.	0.2	11
35	Effect of manufacturing and assembly defects on two-stage gear systems vibration. International Journal of Advanced Manufacturing Technology, 2006, 29, 1008-1018.	3.0	28
36	Effects of the interval geometric deviation and crowning parameters on the automotive differential dynamics. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 0, , 146441932110394.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Influence of uncertainty in aerodynamic performance on the dynamic response of a two stage gear system. Journal of Theoretical and Applied Mechanics, 0, , 601.	0.5	7
38	Dynamic response of a spur gear system with uncertain parameters. Journal of Theoretical and Applied Mechanics, 0, , 1039.	0.5	6
39	Porous material effect on gearbox vibration and acoustic behavior. Journal of Theoretical and Applied Mechanics, 0, , 1381.	0.5	2