

Rajiv Tiwari

List of Publications by Year in descending order

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130
papers

3,088
citations

159525

30
h-index

197736

49
g-index

138
all docs

138
docs citations

138
times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal based condition monitoring techniques for fault detection and diagnosis of induction motors: A state-of-the-art review. Mechanical Systems and Signal Processing, 2020, 144, 106908.	4.4	263
2	Multi-objective design optimisation of rolling bearings using genetic algorithms. Mechanism and Machine Theory, 2007, 42, 1418-1443.	2.7	124
3	Identification of Dynamic Bearing Parameters: A Review. The Shock and Vibration Digest, 2004, 36, 99-124.	6.2	120
4	Comparative investigation of vibration and current monitoring for prediction of mechanical and electrical faults in induction motor based on multiclass-support vector machine algorithms. Mechanical Systems and Signal Processing, 2017, 94, 464-481.	4.4	120
5	Application of active magnetic bearings in flexible rotordynamic systems – A state-of-the-art review. Mechanical Systems and Signal Processing, 2018, 106, 537-572.	4.4	101
6	Optimum design of rolling element bearings using genetic algorithms. Mechanism and Machine Theory, 2007, 42, 233-250.	2.7	93
7	Prediction of flow blockages and impending cavitation in centrifugal pumps using Support Vector Machine (SVM) algorithms based on vibration measurements. Measurement: Journal of the International Measurement Confederation, 2018, 130, 44-56.	2.5	93
8	Support vector machine based optimization of multi-fault classification of gears with evolutionary algorithms from time-varying frequency vibration data. Measurement: Journal of the International Measurement Confederation, 2014, 55, 1-14.	2.5	76
9	Static and dynamic analyses of cracked functionally graded structural components: A review. Composites Part B: Engineering, 2019, 173, 106982.	5.9	74
10	Rolling element bearing design through genetic algorithms. Engineering Optimization, 2003, 35, 649-659.	1.5	72
11	Identification of bearing dynamic parameters and unbalance states in a flexible rotor system fully levitated on active magnetic bearings. Mechatronics, 2014, 24, 274-286.	2.0	69
12	IDENTIFICATION OF SPEED-DEPENDENT BEARING PARAMETERS. Journal of Sound and Vibration, 2002, 254, 967-986.	2.1	63
13	Optimum multi-fault classification of gears with integration of evolutionary and SVM algorithms. Mechanism and Machine Theory, 2014, 73, 49-60.	2.7	57
14	Simultaneous identification of residual unbalances and bearing dynamic parameters from impulse responses of rotor-bearing systems. Mechanical Systems and Signal Processing, 2006, 20, 1590-1614.	4.4	55
15	Multi-fault identification in simple rotor-bearing-coupling systems based on forced response measurements. Mechanism and Machine Theory, 2012, 51, 87-109.	2.7	55
16	A support vector machine based fault diagnostics of Induction motors for practical situation of multi-sensor limited data case. Measurement: Journal of the International Measurement Confederation, 2019, 135, 694-711.	2.5	51
17	Whirl frequencies and critical speeds of a rotor-bearing system with a cracked functionally graded shaft – Finite element analysis. European Journal of Mechanics, A/Solids, 2017, 61, 47-58.	2.1	48
18	Simultaneous estimation of the residual unbalance and bearing dynamic parameters from the experimental data in a rotor-bearing system. Mechanism and Machine Theory, 2009, 44, 792-812.	2.7	45

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19	Multiclass fault diagnosis in gears using support vector machine algorithms based on frequency domain data. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3469-3481.	2.5	40
20	Identification of an open crack model in a beam based on force response measurements. Computers and Structures, 2004, 82, 167-179.	2.4	39
21	Automation of multi-fault diagnosing of centrifugal pumps using multi-class support vector machine with vibration and motor current signals in frequency domain. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	39
22	ESTIMATION OF NON-LINEAR STIFFNESS PARAMETERS OF ROLLING ELEMENT BEARINGS FROM RANDOM RESPONSE OF ROTOR-BEARING SYSTEMS. Journal of Sound and Vibration, 1995, 187, 229-239.	2.1	38
23	Multifault Diagnosis of Induction Motor at Intermediate Operating Conditions Using Wavelet Packet Transform and Support Vector Machine. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	38
24	Experimental fault diagnosis for known and unseen operating conditions of centrifugal pumps using MSVM and WPT based analyses. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106809.	2.5	38
25	Design optimization of double-acting hybrid magnetic thrust bearings with control integration using multi-objective evolutionary algorithms. Mechatronics, 2009, 19, 945-964.	2.0	37
26	Crack localisation and sizing in a beam based on the free and forced response measurements. Mechanical Systems and Signal Processing, 2007, 21, 1362-1385.	4.4	34
27	Blockage and cavitation detection in centrifugal pumps from dynamic pressure signal using deep learning algorithm. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108676.	2.5	34
28	Identification of a multi-crack in a shaft system using transverse frequency response functions. Mechanism and Machine Theory, 2010, 45, 1813-1827.	2.7	33
29	An Optimum Design of Crowned Cylindrical Roller Bearings Using Genetic Algorithms. Journal of Mechanical Design, Transactions of the ASME, 2009, 131, .	1.7	32
30	Identification of suction flow blockages and casing cavitations in centrifugal pumps by optimal support vector machine techniques. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2957-2968.	0.8	31
31	Conditioning of regression matrices for simultaneous estimation of the residual unbalance and bearing dynamic parameters. Mechanical Systems and Signal Processing, 2005, 19, 1082-1095.	4.4	30
32	Development of an Optimum Design Methodology of Cylindrical Roller Bearings Using Genetic Algorithms. International Journal for Computational Methods in Engineering Science and Mechanics, 2008, 9, 321-341.	1.4	30
33	Finite element analysis for a functionally graded rotating shaft with multiple breathing cracks. International Journal of Mechanical Sciences, 2017, 134, 411-423.	3.6	29
34	Finite element modelling, analysis and identification using novel trial misalignment approach in an unbalanced and misaligned flexible rotor system levitated by active magnetic bearings. Mechanical Systems and Signal Processing, 2021, 152, 107454.	4.4	29
35	An Optimal Design Methodology of Tapered Roller Bearings Using Genetic Algorithms. International Journal for Computational Methods in Engineering Science and Mechanics, 2012, 13, 108-127.	1.4	28
36	Model-based fatigue crack identification in rotors integrated with active magnetic bearings. JVC/Journal of Vibration and Control, 2017, 23, 980-1000.	1.5	27

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37	Optimization of needle roller bearing design using novel hybrid methods. Mechanism and Machine Theory, 2014, 72, 71-85.	2.7	26
38	Detection and localisation of multiple cracks in a shaft system: An experimental investigation. Measurement: Journal of the International Measurement Confederation, 2014, 53, 182-193.	2.5	26
39	Experimental Time-Domain Vibration-Based Fault Diagnosis of Centrifugal Pumps Using Support Vector Machine. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	0.7	26
40	Finite element based stability analysis of a rotor-bearing system having a functionally graded shaft with transverse breathing cracks. International Journal of Mechanical Sciences, 2019, 157-158, 403-414.	3.6	26
41	On-line Time Domain Vibration and Current Signals Based Multi-fault Diagnosis of Centrifugal Pumps Using Support Vector Machines. Journal of Nondestructive Evaluation, 2019, 38, 1.	1.1	26
42	Diagnostics of mechanical and electrical faults in induction motors using wavelet-based features of vibration and current through support vector machine algorithms for various operating conditions. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	26
43	Free Vibration Analysis of Functionally Graded Shaft System with a Surface Crack. Journal of Vibration Engineering and Technologies, 2018, 6, 483-494.	1.3	25
44	On-site high-speed balancing of flexible rotor-bearing system using virtual trial unbalances at slow run. International Journal of Mechanical Sciences, 2020, 183, 105786.	3.6	25
45	Quantification of multiple fault parameters in flexible turbo-generator systems with incomplete rundown vibration data. Mechanical Systems and Signal Processing, 2013, 41, 546-563.	4.4	24
46	Model-Based Switching-Crack Identification in a Jeffcott Rotor With an Offset Disk Integrated With an Active Magnetic Bearing. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	24
47	Model based analysis and identification of multiple fault parameters in coupled rotor systems with offset discs in the presence of angular misalignment and integrated with an active magnetic bearing. Journal of Sound and Vibration, 2019, 450, 109-140.	2.1	23
48	Dynamic analysis and identification of unbalance and misalignment in a rigid rotor with two offset discs levitated by active magnetic bearings: a novel trial misalignment approach. Propulsion and Power Research, 2021, 10, 58-82.	2.0	22
49	Multiclass Fault Taxonomy in Rolling Bearings at Interpolated and Extrapolated Speeds Based on Time Domain Vibration Data by SVM Algorithms. Journal of Failure Analysis and Prevention, 2014, 14, 826-837.	0.5	20
50	Model based identification of crack and bearing dynamic parameters in flexible rotor systems supported with an auxiliary active magnetic bearing. Mechanism and Machine Theory, 2018, 122, 292-307.	2.7	20
51	Development of a Technique to Locate and Quantify a Crack in a Beam Based on Modal Parameters. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 390-395.	1.0	18
52	Optimum Design and Analysis of Thrust Magnetic Bearings Using Multi Objective Genetic Algorithms. International Journal for Computational Methods in Engineering Science and Mechanics, 2008, 9, 223-245.	1.4	18
53	Estimation of speed-dependent bearing dynamic parameters in rigid rotor systems levitated by electromagnetic bearings. Mechanism and Machine Theory, 2015, 92, 100-112.	2.7	18
54	Development of a Novel Algorithm for a Crack Detection, Localization, and Sizing in a Beam Based on Forced Response Measurements. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.0	17

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55	Detection and localization of multiple cracks in a stepped shaft. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 85-91.	1.7	16
56	Optimization of Spherical Roller Bearing Design Using Artificial Bee Colony Algorithm and Grid Search Method. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2015, 16, 221-233.	1.4	16
57	An innovative virtual trial misalignment approach for identification of unbalance, sensor and active magnetic bearing misalignment along with its stiffness parameters in a magnetically levitated flexible rotor system. <i>Mechanical Systems and Signal Processing</i> , 2022, 167, 108540.	4.4	16
58	Multitude of Objectives Based Optimum Designs of Cylindrical Roller Bearings With Evolutionary Methods. <i>Journal of Tribology</i> , 2015, 137, .	1.0	15
59	Taxonomy of Induction-Motor Mechanical-Fault Based on Time-Domain Vibration Signals by Multiclass SVM Classifiers. <i>Intelligent Industrial Systems</i> , 2016, 2, 269-281.	1.0	15
60	Analysis and identification of the additive and multiplicative fault parameters in a cracked-bowed-unbalanced rotor system integrated with an auxiliary active magnetic bearing. <i>Mechanism and Machine Theory</i> , 2020, 146, 103744.	2.7	15
61	Multi-objective optimization of needle roller bearings based on fatigue and wear using evolutionary algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2016, 230, 170-185.	1.0	14
62	Application of active magnetic bearings for <i>in situ</i> flexible rotor residual balancing using a novel generalized influence coefficient method. <i>Inverse Problems in Science and Engineering</i> , 2019, 27, 943-968.	1.2	14
63	Multi-objective optimization of spherical roller bearings based on fatigue and wear using evolutionary algorithm. <i>Journal of King Saud University, Engineering Sciences</i> , 2020, 32, 58-68.	1.2	14
64	Optimization of support vector machine based multi-fault classification with evolutionary algorithms from time domain vibration data of gears. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 2428-2439.	1.1	13
65	Multi-strategy Gaussian Harris hawks optimization for fatigue life of tapered roller bearings. <i>Engineering With Computers</i> , 2022, 38, 4387-4413.	3.5	13
66	Identification of stiffness and periodic excitation forces of a transverse switching crack in a Laval rotor. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 254-269.	1.7	12
67	Identification of Speed-Dependent Active Magnetic Bearing Parameters and Rotor Balancing in High-Speed Rotor Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019, 141, .	0.9	12
68	Development of a Novel Approach for Quantitative Estimation of Rotor Unbalance and Misalignment in a Rotor System Levitated by Active Magnetic Bearings. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2020, 45, 769.	0.8	12
69	Online Diagnostics of Mechanical and Electrical Faults in Induction Motor Using Multiclass Support Vector Machine Algorithms Based on Frequency Domain Vibration and Current Signals. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2019, 5, .	0.7	11
70	Robust optimum design of tapered roller bearings based on maximization of fatigue life using evolutionary algorithm. <i>Mechanism and Machine Theory</i> , 2020, 152, 103894.	2.7	11
71	NON-LINEAR BEARING STIFFNESS PARAMETER EXTRACTION FROM RANDOM RESPONSE IN FLEXIBLE ROTOR-BEARING SYSTEMS. <i>Journal of Sound and Vibration</i> , 1997, 203, 389-408.	2.1	10
72	Development of a novel hybrid reduction scheme for identification of an open crack model in a beam. <i>Mechanical Systems and Signal Processing</i> , 2005, 19, 633-657.	4.4	10

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73	Multi-Objective Robust Optimization of Deep Groove Ball Bearings Considering Manufacturing Tolerances Based on Fatigue and Wear Considerations. Journal of Tribology, 2022, 144, .	1.0	10
74	Multifault Diagnosis of Combined Hydraulic and Mechanical Centrifugal Pump Faults Using Continuous Wavelet Transform and Support Vector Machines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	10
75	Virtualisation of engineering discipline experiments for an Internet-based remote laboratory. Australasian Journal of Educational Technology, 2011, 27, .	2.0	10
76	Optimum Design and Analysis of Axial Hybrid Magnetic Bearings Using Multi-Objective Genetic Algorithms. International Journal for Computational Methods in Engineering Science and Mechanics, 2012, 13, 10-27.	1.4	9
77	Detection of a fatigue crack in a rotor system using full-spectrum based estimation. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 239-251.	0.8	9
78	Experimental identification of shaft misalignment in a turbo-generator system. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	8
79	Identification of inlet pipe blockage level in centrifugal pump over a range of speeds by deep learning algorithm using multi-source data. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110146.	2.5	8
80	Numerical and experimental study on quantitative assessment of multiple fault parameters in a warped internally damped rotor with a transverse fatigue crack integrated with an active magnetic bearing. Mechanical Systems and Signal Processing, 2022, 174, 109112.	4.4	8
81	PARAMETER ESTIMATION IN IMBALANCED NON-LINEAR ROTOR-BEARING SYSTEMS FROM RANDOM RESPONSE. Journal of Sound and Vibration, 1997, 208, 1-14.	2.1	7
82	Detection, localization, and sizing of a structural flaw in a beam based on forced response measurements – An experimental investigation. Mechanism and Machine Theory, 2010, 45, 584-600.	2.7	7
83	Dynamic analysis and identification of multiple fault parameters in a cracked rotor system equipped with active magnetic bearings: a physical model based approach. Inverse Problems in Science and Engineering, 2020, 28, 1103-1134.	1.2	7
84	A Numerical Study on the Effect of Unbalance and Misalignment Fault Parameters in a Rigid Rotor Levitated by Active Magnetic Bearings. , 2019, , .		7
85	Stiffness estimation from random response in multi-mass rotor bearing systems. Probabilistic Engineering Mechanics, 1998, 13, 255-268.	1.3	6
86	Detection of asymmetric transmission error in geared rotor system through transverse vibration analysis using full spectrum. Propulsion and Power Research, 2020, 9, 255-280.	2.0	6
87	Estimation of the internal and external damping from the forward and backward spectrum of a rotor with a fatigue crack. Propulsion and Power Research, 2020, 9, 62-74.	2.0	6
88	Experimental study on vibration control of spur geared rotor system with active magnetic bearings. Journal of Sound and Vibration, 2022, 532, 117005.	2.1	6
89	Parametric study on free vibration and instability of a functionally graded cracked shaft in a rotor-disc-bearing system: finite element approach. MATEC Web of Conferences, 2018, 172, 03009.	0.1	5
90	Stability behavior of two-crack functionally graded shaft in a rotor-disc system: finite element approach. Materials Today: Proceedings, 2020, 24, 432-441.	0.9	5

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91	Experimental Identification of Internal and External Damping in a Rotor System with a Fatigue-Crack Using Full Spectrum. <i>Experimental Techniques</i> , 2020, 44, 509-528.	0.9	5
92	Robust design of ball bearings for an improved performance using genetic algorithm. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2021, 22, 514-537.	1.4	5
93	Modeling, Analysis, and Identification of Parallel and Angular Misalignments in a Coupled Rotor-Bearing-Active Magnetic Bearing System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2021, 143, .	0.9	5
94	Identification of unbalance characteristics of rotating machinery using a novel optimization-based methodology. <i>Soft Computing</i> , 2022, 26, 4831-4862.	2.1	5
95	Application of active magnetic bearings in control and estimation of geared-rotor faults in high speed offset spur gear transmission system. <i>Mechanical Systems and Signal Processing</i> , 2022, 176, 109113.	4.4	5
96	Development of a condensation scheme for transverse rotational degrees of freedom elimination in identification of beam crack parameters. <i>Mechanical Systems and Signal Processing</i> , 2006, 20, 2148-2170.	4.4	4
97	Thermal Based Optimum Design of Tapered Roller Bearing Through Evolutionary Algorithm. , 2013, , .		4
98	Identification of Multiple Fault Parameters in a Rigid-Rotor and Flexible-Bearing-Coupling System: An Experimental Investigation. , 2013, , .		4
99	Identification of Crack and Internal Damping Parameters Using Full Spectrum Responses from a Jeffcott Rotor Incorporated with an Active Magnetic Bearing. <i>Mechanisms and Machine Science</i> , 2019, , 34-48.	0.3	4
100	Multi-objective optimization in geometric design of tapered roller bearings based on fatigue, wear and thermal considerations through genetic algorithms. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	0.8	4
101	Transverse Vibration of Geared-Rotor Integrated With Active Magnetic Bearings in Identification of Multiple Faults. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2021, 143, .	0.9	4
102	Fault identification in cracked rotor-AMB system using magnetic excitations based on multi harmonic influence coefficient method. <i>Inverse Problems in Science and Engineering</i> , 0, , 1-31.	1.2	4
103	Determination of Local Flexibility Coefficients of a Functionally Graded Shaft with Breathing Crack. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 171-187.	0.3	4
104	Transverse Vibration and Stability of a Cracked Functionally Graded Rotating Shaft System. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 625-631.	0.3	4
105	Identification of Multiple Faults With Incomplete Response Measurements in Rotor-Bearing-Coupling Systems. , 2012, , .		3
106	Optimisation of SVM Methodology for Multiple Fault Taxonomy of Rolling Bearings from Acceleration Records. <i>Mechanisms and Machine Science</i> , 2015, , 533-542.	0.3	3
107	A Pareto Optimal Design Analysis of Magnetic Thrust Bearings Using Multi-Objective Genetic Algorithms. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2015, 16, 71-85.	1.4	3
108	Finite Element Analysis for Dynamic Response of Rotor-Bearing System With Cracked Functionally Graded Turbine Shaft. , 2017, , .		3

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109	Analysis of Time, Frequency and Wavelet Based Features of Vibration and Current Signals for Fault Diagnosis of Induction Motors Using SVM. , 2017, , .		3
110	A Compliant Algorithm to Diagnose Multiple Centrifugal Pump Faults With Corrupted Vibration and Current Signatures in Time-Domain. , 2017, , .		3
111	Optimal design of deep-groove ball bearings based on multitude of objectives using evolutionary algorithms. Multidiscipline Modeling in Materials and Structures, 2018, 14, 567-588.	0.6	3
112	Effect of noise on support vector machine based fault diagnosis of IM using vibration and current signatures. MATEC Web of Conferences, 2018, 211, 03009.	0.1	2
113	FE approach for dynamic response of a functionally graded spinning shaft system containing a transverse fully open crack. IOP Conference Series: Materials Science and Engineering, 2019, 577, 012019.	0.3	2
114	Experimental Identification of Residual Unbalances for Two-Plane Balancing in a Rigid Rotor System Integrated with AMB. Lecture Notes in Mechanical Engineering, 2022, , 697-709.	0.3	2
115	Experimental Investigation of Active Control of Cracked Rotor-Bearing System Equipped With Magnetic Bearing. , 2019, , .		2
116	Health Monitoring of Gears Based on Vibrations by Support Vector Machine Algorithms. , 2012, , .		1
117	Model-Based Crack Identification Using Full-Spectrum. , 2013, , .		1
118	Health Monitoring of Gear Elements Based on Time-Frequency Vibration by Support Vector Machine Algorithms. , 2013, , .		1
119	Interaction Between Unbalance and Misalignment Responses in Flexibly Coupled Rotor Systems Integrated With AMB. , 2017, , .		1
120	Optimal design of spherical roller bearings based on multiple tasking operating requirements. Multidiscipline Modeling in Materials and Structures, 2020, 16, 967-990.	0.6	1
121	Vibration Control of Spur Geared Rotor Systems With Transmission Errors by Active Magnetic Bearings. , 2019, , .		1
122	An Intelligent and Robust Fault Diagnosis System for Identification of Centrifugal Pump Defects in Frequency Domain Using Corrupted Vibration and Current Signatures. Lecture Notes in Mechanical Engineering, 2020, , 407-426.	0.3	1
123	Multi Fault Diagnosis of Centrifugal Pumps with Time, Frequency and Wavelet-Based Features Using Support Vector Machines. Mechanisms and Machine Science, 2019, , 43-57.	0.3	0
124	Association Between Adopted Posture and Perceived Vibrational Discomfort Among Stone Polishing Workers. Smart Innovation, Systems and Technologies, 2019, , 549-561.	0.5	0
125	Experimental Estimation of Speed-Dependent Active Magnetic Bearing Rotordynamic Parameters. Mechanisms and Machine Science, 2015, , 1431-1440.	0.3	0
126	Finite Element Model Based Full Spectrum Response Analysis of a Cracked Rotor With Internal and External Damping. , 2019, , .		0

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127	A Full Spectrum Analysis of a Jeffcott Rotor with Switching Crack in the Presence of Internal and External Damping. Lecture Notes in Mechanical Engineering, 2020, , 113-125.	0.3	0
128	Active Control of Internal Damping Instabilities in a Cracked Rotor with Magnetic Bearing. Lecture Notes in Mechanical Engineering, 2020, , 127-148.	0.3	0
129	Finite Element Modeling and Analysis of Coupled Rotor System Integrated with AMB in the Presence of Parallel and Angular Misalignments. Lecture Notes in Mechanical Engineering, 2021, , 419-432.	0.3	0
130	On-line field balancing technique using virtual trial unbalances in rotor-bearing system incorporated with active magnetic bearing. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, .	0.8	0