Rajiv Tiwari

List of Publications by Year in Descending Order

131 papers	2,044 citations	25 h-index	39 g-index
138 ext. papers	2,487 ext. citations	2.8 avg, IF	6.02 L-index

#	Paper	IF	Citations
131	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. *Mechanical Systems and Signal Processing*, **2022**, 167, 108540	7.8	2
130	Multi-Objective Robust Optimization of Deep Groove Ball Bearings Considering Manufacturing Tolerances Based on Fatigue and Wear Considerations. *Journal of Tribology*, **2022**, 144,	1.8	3
129	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	0.4	0
128	Identification of unbalance characteristics of rotating machinery using a novel optimization-based methodology. *Soft Computing*, **2022**, 26, 4831	3.5	0
127	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	7.8	0
126	Application of active magnetic bearings in control and estimation of geared-rotor faults in high speed offset spur gear transmission system. *Mechanical Systems and Signal Processing*, **2022**, 176, 109113	7.8	1
125	Experimental study on vibration control of spur geared rotor system with active magnetic bearings. *Journal of Sound and Vibration*, **2022**, 532, 117005	3.9	0
124	Dynamic Response Analysis of an Unbalanced and Misaligned Rotor Supported on Active Magnetic Bearings and Touchdown Bearings. *Lecture Notes in Mechanical Engineering*, **2021**, 407-418	0.4	1
123	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	0.4	
122	Thermo-Mechanical Analysis of a Rotor-Bearing System Having a Functionally Graded Shaft with Transverse Breathing Cracks. *Lecture Notes in Mechanical Engineering*, **2021**, 93-104	0.4	0
121	Transverse Vibration of Geared-Rotor Integrated With Active Magnetic Bearings in Identification of Multiple Faults. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2021**, 143,	1.6	2
120	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	4.6	9
119	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	7.8	7
118	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	3.6	7
117	Multi-strategy Gaussian Harris hawks optimization for fatigue life of tapered roller bearings. *Engineering With Computers*, **2021**, 1-27	4.5	4
116	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	4.6	1
115	Stability behavior of two-crack functionally graded shaft in a rotor-disc system: finite element approach. *Materials Today: Proceedings*, **2020**, 24, 432-441	1.4	1

114	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	5.5	8
113	Development of a Novel Approach for Quantitative Estimation of Rotor Unbalance and Misalignment in a Rotor System Levitated by Active Magnetic Bearings. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2020**, 45, 769	1.2	5
112	Robust optimum design of tapered roller bearings based on maximization of fatigue life using evolutionary algorithm. *Mechanism and Machine Theory*, **2020**, 152, 103894	4	5
111	Multi-objective optimization in geometric design of tapered roller bearings based on fatigue, wear and thermal considerations through genetic algorithms. *Sadhana - Academy Proceedings in Engineering Sciences*, **2020**, 45, 1	1	2
110	Detection of asymmetric transmission error in geared rotor system through transverse vibration analysis using full spectrum. *Propulsion and Power Research*, **2020**, 9, 255-280	3.6	2
109	Experimental Identification of Internal and External Damping in a Rotor System with a Fatigue-Crack Using Full Spectrum. *Experimental Techniques*, **2020**, 44, 509-528	1.4	4
108	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	7.8	86
107	Active Control of Internal Damping Instabilities in a Cracked Rotor with Magnetic Bearing. *Lecture Notes in Mechanical Engineering*, **2020**, 127-148	0.4	
106	Some Numerical Studies on Coupled Turbine-Generator Rotor System Models. *Lecture Notes in Mechanical Engineering*, **2020**, 37-50	0.4	1
105	Modelling, Analysis and Identification of the Parallel and Angular Misalignments in a Coupled Rotor-Bearing-AMB System. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2020**,	1.6	2
104	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	0.4	
103	Determination of Local Flexibility Coefficients of a Functionally Graded Shaft with Breathing Crack. *Lecture Notes in Mechanical Engineering*, **2020**, 171-187	0.4	
102	Transverse Vibration and Stability of a Cracked Functionally Graded Rotating Shaft System. *Lecture Notes in Mechanical Engineering*, **2020**, 625-631	0.4	
101	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	0.4	1
100	Analysis and identification of the additive and multiplicative fault parameters in a cracked-bowed-unbalanced rotor system integrated with an auxiliary active magnetic bearing. *Mechanism and Machine Theory*, **2020**, 146, 103744	4	4
99	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	1.3	3
98	Optimal design of spherical roller bearings based on multiple tasking operating requirements. *Multidiscipline Modeling in Materials and Structures*, **2020**, 16, 967-990	2.2	
97	Multi-objective optimization of spherical roller bearings based on fatigue and wear using evolutionary algorithm. *Journal of King Saud University, Engineering Sciences*, **2020**, 32, 58-68	2.2	7

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96	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	3.6	2
95	Static and dynamic analyses of cracked functionally graded structural components: A review. *Composites Part B: Engineering*, **2019**, 173, 106982	10	42
94	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	5.5	12
93	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	3.9	17
92	Online Diagnostics of Mechanical and Electrical Faults in Induction Motor Using Multiclass Support Vector Machine Algorithms Based on Frequency Domain Vibration and Current Signals. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering*, **2019**, 5,	1.4	7
91	Application of active magnetic bearings for in situ flexible rotor residual balancing using a novel generalized influence coefficient method. *Inverse Problems in Science and Engineering*, **2019**, 27, 943-968	1.3	8
90	Monitoring of Induction Motor Mechanical and Electrical Faults by Optimum Multiclass-Support Vector Machine Algorithms Using Genetic Algorithm. *Mechanisms and Machine Science*, **2019**, 120-132	0.3	2
89	Identification of Crack and Internal Damping Parameters Using Full Spectrum Responses from a Jeffcott Rotor Incorporated with an Active Magnetic Bearing. *Mechanisms and Machine Science*, **2019**, 34-48	0.3	1
88	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	4.6	19
87	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,	1.6	6
86	A Numerical Study on the Effect of Unbalance and Misalignment Fault Parameters in a Rigid Rotor Levitated by Active Magnetic Bearings **2019**,		3
85	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	0.4	0
84	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	
83	Identification of Speed-Dependent Active Magnetic Bearing Parameters and Rotor Balancing in High-Speed Rotor Systems. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2019**, 141,	1.6	9
82	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	2.1	17
81	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	2	14
80	Association Between Adopted Posture and Perceived Vibrational Discomfort Among Stone Polishing Workers. *Smart Innovation, Systems and Technologies*, **2019**, 549-561	0.5	
79	Performance Analysis of Support Vector Machine and Wavelet Packet Transform Based Fault Diagnostics of Induction Motor at Various Operating Conditions. *Mechanisms and Machine Science*, **2019**, 32-42	0.3	1

No.	Title	IF	Cites
78	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	4.6	35
77	Application of active magnetic bearings in flexible rotordynamic systems A state-of-the-art review. *Mechanical Systems and Signal Processing*, **2018**, 106, 537-572	7.8	54
76	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,	1.6	29
75	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	4	12
74	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	2	24
73	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	4.6	46
72	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	0.3	4
71	Effect of noise on support vector machine based fault diagnosis of IM using vibration and current signatures. *MATEC Web of Conferences*, **2018**, 211, 03009	0.3	1
70	Free Vibration Analysis of Functionally Graded Shaft System with a Surface Crack. *Journal of Vibration Engineering and Technologies*, **2018**, 6, 483-494	2	16
69	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	2.2	1
68	Experimental identification of shaft misalignment in a turbo-generator system. *Sadhana - Academy Proceedings in Engineering Sciences*, **2018**, 43, 1	1	8
67	Model-based fatigue crack identification in rotors integrated with active magnetic bearings. *JVC/Journal of Vibration and Control*, **2017**, 23, 980-1000	2	21
66	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,	1.4	20
65	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	2	19
64	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	7.8	90
63	Finite element analysis for a functionally graded rotating shaft with multiple breathing cracks. *International Journal of Mechanical Sciences*, **2017**, 134, 411-423	5.5	23
62	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	3.7	34
61	Finite Element Analysis for Dynamic Response of Rotor-Bearing System With Cracked Functionally Graded Turbine Shaft **2017**,		3

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60	Interaction Between Unbalance and Misalignment Responses in Flexibly Coupled Rotor Systems Integrated With AMB **2017**,		1
59	Analysis of Time, Frequency and Wavelet Based Features of Vibration and Current Signals for Fault Diagnosis of Induction Motors Using SVM **2017**,		2
58	A Compliant Algorithm to Diagnose Multiple Centrifugal Pump Faults With Corrupted Vibration and Current Signatures in Time-Domain **2017**,		3
57	Multi-objective optimization of needle roller bearings based on fatigue and wear using evolutionary algorithm. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2016**, 230, 170-185	1.4	10
56	Taxonomy of Induction-Motor Mechanical-Fault Based on Time-Domain Vibration Signals by Multiclass SVM Classifiers. *Intelligent Industrial Systems*, **2016**, 2, 269-281		13
55	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,	1.6	22
54	Detection of a fatigue crack in a rotor system using full-spectrum based estimation. *Sadhana - Academy Proceedings in Engineering Sciences*, **2016**, 41, 239-251	1	9
53	A Pareto Optimal Design Analysis of Magnetic Thrust Bearings Using Multi-Objective Genetic Algorithms. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2015**, 16, 71-85	0.7	1
52	Estimation of speed-dependent bearing dynamic parameters in rigid rotor systems levitated by electromagnetic bearings. *Mechanism and Machine Theory*, **2015**, 92, 100-112	4	14
51	Optimization of Spherical Roller Bearing Design Using Artificial Bee Colony Algorithm and Grid Search Method. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2015**, 16, 221-233	0.7	11
50	Multitude of Objectives Based Optimum Designs of Cylindrical Roller Bearings With Evolutionary Methods. *Journal of Tribology*, **2015**, 137,	1.8	9
49	Optimisation of SVM Methodology for Multiple Fault Taxonomy of Rolling Bearings from Acceleration Records. *Mechanisms and Machine Science*, **2015**, 533-542	0.3	3
48	Experimental Estimation of Misalignment Effects in Rotor-Bearing-Coupling Systems. *Mechanisms and Machine Science*, **2015**, 779-789	0.3	7
47	Experimental Estimation of Speed-Dependent Active Magnetic Bearing Rotordynamic Parameters. *Mechanisms and Machine Science*, **2015**, 1431-1440	0.3	
46	Optimum multi-fault classification of gears with integration of evolutionary and SVM algorithms. *Mechanism and Machine Theory*, **2014**, 73, 49-60	4	45
45	Identification of bearing dynamic parameters and unbalance states in a flexible rotor system fully levitated on active magnetic bearings. *Mechatronics*, **2014**, 24, 274-286	3	54
44	Optimization of needle roller bearing design using novel hybrid methods. *Mechanism and Machine Theory*, **2014**, 72, 71-85	4	21
43	Detection and localisation of multiple cracks in a shaft system: An experimental investigation. *Measurement: Journal of the International Measurement Confederation*, **2014**, 53, 182-193	4.6	16

42	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	0.9	11
41	Support vector machine based optimization of multi-fault classification of gears with evolutionary algorithms from time-frequency vibration data. *Measurement: Journal of the International Measurement Confederation*, **2014**, 55, 1-14	4.6	63
40	Detection and localization of multiple cracks in a stepped shaft. *Fatigue and Fracture of Engineering Materials and Structures*, **2013**, 36, 85-91	3	12
39	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	4.6	33
38	Identification of stiffness and periodic excitation forces of a transverse switching crack in a Laval rotor. *Fatigue and Fracture of Engineering Materials and Structures*, **2013**, 36, 254-269	3	12
37	Quantification of multiple fault parameters in flexible turbo-generator systems with incomplete rundown vibration data. *Mechanical Systems and Signal Processing*, **2013**, 41, 546-563	7.8	21
36	Optimization of support vector machine based multi-fault classification with evolutionary algorithms from time domain vibration data of gears. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2013**, 227, 2428-2439	1.3	11
35	Thermal Based Optimum Design of Tapered Roller Bearing Through Evolutionary Algorithm **2013**,		4
34	Identification of Multiple Fault Parameters in a Rigid-Rotor and Flexible-Bearing-Coupling System: An Experimental Investigation **2013**,		3
33	Health Monitoring of Gear Elements Based on Time-Frequency Vibration by Support Vector Machine Algorithms **2013**,		1
32	Multi-fault identification in simple rotor-bearing-coupling systems based on forced response measurements. *Mechanism and Machine Theory*, **2012**, 51, 87-109	4	47
31	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	0.7	21
30	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	0.7	6
29	Health Monitoring of Gears Based on Vibrations by Support Vector Machine Algorithms **2012**,		1
28	Identification of Multiple Faults With Incomplete Response Measurements in Rotor-Bearing-Coupling Systems **2012**,		3
27	Virtualisation of engineering discipline experiments for an Internet-based remote laboratory. *Australasian Journal of Educational Technology*, **2011**, 27,	2.4	5
26	Identification of a multi-crack in a shaft system using transverse frequency response functions. *Mechanism and Machine Theory*, **2010**, 45, 1813-1827	4	24
25	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	4	7

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24	An Optimum Design of Crowned Cylindrical Roller Bearings Using Genetic Algorithms. *Journal of Mechanical Design, Transactions of the ASME*, **2009**, 131,	3	25
23	Design optimization of double-acting hybrid magnetic thrust bearings with control integration using multi-objective evolutionary algorithms. *Mechatronics*, **2009**, 19, 945-964	3	34
22	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	4	36
21	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,	1.6	16
20	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	0.7	24
19	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	0.7	14
18	Crack localisation and sizing in a beam based on the free and forced response measurements. *Mechanical Systems and Signal Processing*, **2007**, 21, 1362-1385	7.8	26
17	Optimum design of rolling element bearings using genetic algorithms. *Mechanism and Machine Theory*, **2007**, 42, 233-250	4	76
16	Multi-objective design optimisation of rolling bearings using genetic algorithms. *Mechanism and Machine Theory*, **2007**, 42, 1418-1443	4	99
15	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	1.6	16
14	Development of a condensation scheme for transverse rotational degrees of freedom elimination in identification of beam crack parameters. *Mechanical Systems and Signal Processing*, **2006**, 20, 2148-2170	7.8	4
13	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	7.8	44
12	Development of a novel hybrid reduction scheme for identification of an open crack model in a beam. *Mechanical Systems and Signal Processing*, **2005**, 19, 633-657	7.8	10
11	Conditioning of regression matrices for simultaneous estimation of the residual unbalance and bearing dynamic parameters. *Mechanical Systems and Signal Processing*, **2005**, 19, 1082-1095	7.8	26
10	Identification of Dynamic Bearing Parameters: A Review. *The Shock and Vibration Digest*, **2004**, 36, 99-124		95
9	Identification of an open crack model in a beam based on force response measurements. *Computers and Structures*, **2004**, 82, 167-179	4.5	34
8	Rolling element bearing design through genetic algorithms. *Engineering Optimization*, **2003**, 35, 649-659	2	68
7	IDENTIFICATION OF SPEED-DEPENDENT BEARING PARAMETERS. *Journal of Sound and Vibration*, **2002**, 254, 967-986	3.9	50

LIST OF PUBLICATIONS

6	Stiffness estimation from random response in multi-mass rotor bearing systems. *Probabilistic Engineering Mechanics*, **1998**, 13, 255-268	2.6	5
5	NON-LINEAR BEARING STIFFNESS PARAMETER EXTRACTION FROM RANDOM RESPONSE IN FLEXIBLE ROTOR-BEARING SYSTEMS. *Journal of Sound and Vibration*, **1997**, 203, 389-408	3.9	6
4	PARAMETER ESTIMATION IN IMBALANCED NON-LINEAR ROTOR-BEARING SYSTEMS FROM RANDOM RESPONSE. *Journal of Sound and Vibration*, **1997**, 208, 1-14	3.9	5
3	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	3.9	32
2	Robust design of ball bearings for an improved performance using genetic algorithm. *International Journal for Computational Methods in Engineering Science and Mechanics*,1-24	0.7	1
1	Fault identification in cracked rotor-AMB system using magnetic excitations based on multi harmonic influence coefficient method. *Inverse Problems in Science and Engineering*,1-31	1.3	1