Paolo Pennacchi

List of Publications by Year
in descending order

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196	3,522	147726	168321
papers	citations	31 h-index	53 g-index

217	217	217	1777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The relationship between kurtosis- and envelope-based indexes for the diagnostic of rolling element bearings. Mechanical Systems and Signal Processing, 2014, 43, 25-43.	4.4	196
2	Application of cepstrum pre-whitening for the diagnosis of bearing faults under variable speed conditions. Mechanical Systems and Signal Processing, 2013, 36, 370-384.	4.4	178
3	Diagnostics of gear faults based on EMD and automatic selection of intrinsic mode functions. Mechanical Systems and Signal Processing, 2011, 25, 821-838.	4.4	175
4	IDENTIFICATION OF MULTIPLE FAULTS IN ROTOR SYSTEMS. Journal of Sound and Vibration, 2002, 254, 327-366.	2.1	170
5	A new procedure for using envelope analysis for rolling element bearing diagnostics in variable operating conditions. Mechanical Systems and Signal Processing, 2013, 38, 23-35.	4.4	164
6	A model-based identification method of transverse cracks in rotating shafts suitable for industrial machines. Mechanical Systems and Signal Processing, 2006, 20, 2112-2147.	4.4	110
7	Rolling element bearing diagnosis based on singular value decomposition and composite squared envelope spectrum. Mechanical Systems and Signal Processing, 2021, 148, 107174.	4.4	91
8	Use of modal representation for the supporting structure in model-based fault identification of large rotating machinery: part 1â€"theoretical remarks. Mechanical Systems and Signal Processing, 2006, 20, 662-681.	4.4	89
9	The velocity synchronous discrete Fourier transform for order tracking in the field of rotating machinery. Mechanical Systems and Signal Processing, 2014, 44, 118-133.	4.4	82
10	Testing second order cyclostationarity in the squared envelope spectrum of non-white vibration signals. Mechanical Systems and Signal Processing, 2013, 40, 38-55.	4.4	71
11	Some remarks on breathing mechanism, on non-linear effects and on slant and helicoidal cracks. Mechanical Systems and Signal Processing, 2008, 22, 879-904.	4.4	70
12	Ball bearing skidding and over-skidding in large-scale angular contact ball bearings: Nonlinear dynamic model with thermal effects and experimental results. Mechanical Systems and Signal Processing, 2021, 147, 107120.	4.4	69
13	Non-undercutting conditions in internal gears. Mechanism and Machine Theory, 2000, 35, 477-490.	2.7	67
14	Order tracking for discrete-random separation in variable speed conditions. Mechanical Systems and Signal Processing, 2012, 30, 1-22.	4.4	67
15	Identification of Transverse Crack Position and Depth in Rotor Systems. Meccanica, 2000, 35, 563-582.	1.2	61
16	Nonlinear effects caused by coupling misalignment in rotors equipped with journal bearings. Mechanical Systems and Signal Processing, 2012, 30, 306-322.	4.4	58
17	Effect of the load direction on non-nominal five-pad tilting-pad journal bearings. Tribology International, 2016, 98, 197-211.	3.0	57
18	Cracked Rotors. , 2010, , .		53

#	Article	IF	Citations
19	Thermally induced vibrations due to rub in real rotors. Journal of Sound and Vibration, 2007, 299, 683-719.	2.1	50
20	Experimental and theoretical approaches for determining cage motion dynamic characteristics of angular contact ball bearings considering whirling and overall skidding behaviors. Mechanical Systems and Signal Processing, 2022, 168, 108704.	4.4	48
21	A new method for the estimation of bearing health state and remaining useful life based on the moving average cross-correlation of power spectral density. Mechanical Systems and Signal Processing, 2020, 139, 106617.	4.4	46
22	Light and short arc rubs in rotating machines: Experimental tests and modelling. Mechanical Systems and Signal Processing, 2009, 23, 2205-2227.	4.4	45
23	Modeling of the dynamic response of a Francis turbine. Mechanical Systems and Signal Processing, 2012, 29, 107-119.	4.4	41
24	A data-driven method to enhance vibration signal decomposition for rolling bearing fault analysis. Mechanical Systems and Signal Processing, 2016, 81, 126-147.	4.4	40
25	Robust estimate of excitations in mechanical systems using M-estimatorsâ€”Theoretical background and numerical applications. Journal of Sound and Vibration, 2008, 310, 923-946.	2.1	38
26	Experimental evidence of a two-axial groove hydrodynamic journal bearing under severe operation conditions. Tribology International, 2017, 109, 416-427.	3.0	37
27	A model to study the reduction of turbine blade vibration using the snubbing mechanism. Mechanical Systems and Signal Processing, 2011, 25, 1260-1275.	4.4	36
28	Computational model for calculating the dynamical behaviour of generators caused by unbalanced magnetic pull and experimental validation. Journal of Sound and Vibration, 2008, 312, 332-353.	2.1	35
29	Use of modal representation for the supporting structure in model-based fault identification of large rotating machinery: Part 2â€”application to a real machine. Mechanical Systems and Signal Processing, 2006, 20, 682-701.	4.4	34
30	Thermo-elasto bulk-flow model for labyrinth seals in steam turbines. Tribology International, 2018, 119, 359-371.	3.0	33
31	Dynamical behaviour of a three-phase generator due to unbalanced magnetic pull. IET Electric Power Applications, 2005, 152, 1389.	1.4	32
32	Diagnosis and Model Based Identification of a Coupling Misalignment. Shock and Vibration, 2005, 12, 293-308.	0.3	31
33	Diagnostics of a crack in a load coupling of a gas turbine using the machine model and the analysis of the shaft vibrations. Mechanical Systems and Signal Processing, 2008, 22, 1157-1178.	4.4	30
34	A sensitivity analysis of vibrations in cracked turbogenerator units versus crack position and depth. Mechanical Systems and Signal Processing, 2010, 24, 844-859.	4.4	30
35	Steam-whirl analysis in a high pressure cylinder of a turbo generator. Mechanical Systems and Signal Processing, 2008, 22, 121-132.	4.4	29
36	Effect of energy equation in one control-volume bulk-flow model for the prediction of labyrinth seal dynamic coefficients. Mechanical Systems and Signal Processing, 2018, 98, 594-612.	4.4	29

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37	Pre-shaping motion input for a rotating flexible link. International Journal of Solids and Structures, 2001, 38, 2009-2023.	1.3	28
38	Accuracy in the identification of a generator thermal bow. Journal of Sound and Vibration, 2004, 274, 273-295.	2.1	28
39	Discussion of the dynamic stability of a multi-degree-of-freedom rotor system affected by a transverse crack. Mechanism and Machine Theory, 2012, 58, 82-100.	2.7	28
40	Experimental and theoretical application of fault identification measures of accuracy in rotating machine diagnostics. Mechanical Systems and Signal Processing, 2004, 18, 329-352.	4.4	27
41	The Effect of the Pivot Stiffness on the Performances of Five-Pad Tilting Pad Bearings. Lubricants, 2019, 7, 61.	1.2	27
42	Triboelectric based high-precision self-powering cage skidding sensor and application on main bearing of jet engine. Nano Energy, 2022, 99, 107387.	8.2	27
43	Skidding and cage whirling of angular contact ball bearings: Kinematic-hertzian contact-thermal-elasto-hydrodynamic model with thermal expansion and experimental validation. Mechanical Systems and Signal Processing, 2022, 166, 108427.	4.4	26
44	Numerical investigation of the effect of manufacturing errors in pads on the behaviour of tilting-pad journal bearings. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 480-500.	1.0	24
45	Stability and skidding behavior of spacecraft porous oil-containing polyimide cages based on high-speed photography technology. Tribology International, 2022, 165, 107294.	3.0	24
46	Behaviour of an angular contact ball bearing with three-dimensional cubic-like defect: A comprehensive non-linear dynamic model for predicting vibration response. Mechanism and Machine Theory, 2021, 163, 104376.	2.7	22
47	Nonlinear effects due to electromechanical interaction inÂgenerators with smooth poles. Nonlinear Dynamics, 2009, 57, 607-622.	2.7	21
48	Increasing the robustness of fault identification in rotor dynamics by means of M-estimators. Mechanical Systems and Signal Processing, 2007, 21, 3003-3029.	4.4	20
49	A cyclostationary multi-domain analysis of fluid instability in Kaplan turbines. Mechanical Systems and Signal Processing, 2015, 60-61, 375-390.	4.4	20
50	Accuracy of modelling and identification of malfunctions in rotor systems: experimental results. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2000, 22, 423-442.	0.1	20
51	Dynamic, thermal, and vibrational analysis of ball bearings with over-skidding behavior. Friction, 2023, 11, 580-601.	3.4	20
52	A Novel Method of Frequency Band Selection for Squared Envelope Analysis for Fault Diagnosing of Rolling Element Bearings in a Locomotive Powertrain. Sensors, 2018, 18, 4344.	2.1	19
53	A Tacholess Order Tracking Method Based on Inverse Short Time Fourier Transform and Singular Value Decomposition for Bearing Fault Diagnosis. Sensors, 2020, 20, 6924.	2.1	19
54	Compression Load Dynamics in a Special Helical Blower: A Modeling Improvement. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 402-407.	1.7	18

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55	Rotor balancing using high breakdown-point and bounded-influence estimators. Mechanical Systems and Signal Processing, 2010, 24, 860-872.	4.4	18
56	Intelligent fault diagnosis of rotating machine elements using machine learning through optimal features extraction and selection. Procedia Manufacturing, 2020, 51, 266-273.	1.9	18
57	Dynamic and wear characteristics of self-lubricating bearing cage: effects of cage pocket shape. Nonlinear Dynamics, 2022, 110, 177-200.	2.7	18
58	A Test Rig for Evaluating Tilting-Pad Journal Bearing Characteristics. Mechanisms and Machine Science, 2015, , 921-930.	0.3	17
59	Tribo-design of lubricants for power loss reduction in the oil-film bearings of a process industry machine: Modelling and experimental tests. Tribology International, 2019, 130, 133-145.	3.0	17
60	Robust estimation of excitation in mechanical systems under model uncertainties. Journal of Sound and Vibration, 2013, 332, 264-281.	2.1	16
61	Determination of Tool Profile for the Milling of Three-Screw Pump Rotor. Meccanica, 1997, 32, 363-377.	1.2	15
62	Analysis of Rotor-to-Stator Rub in a Large Steam Turbogenerator. International Journal of Rotating Machinery, 2007, 2007, 1-8.	0.8	15
63	On the Thermodynamic Process in the Bulk-Flow Model for the Estimation of the Dynamic Coefficients of Labyrinth Seals. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	14
64	Rotor Design and Optimization in Internal Lobe Pumps. Applied Mechanics Reviews, 1997, 50, S133-S141.	4.5	13
65	Empirical mode decomposition of pressure signal for health condition monitoring in waterjet cutting. International Journal of Advanced Manufacturing Technology, 2014, 72, 347-364.	1.5	13
66	Electrical pitting of tilting-pad thrust bearings: Modelling and experimental evidence. Tribology International, 2016, 103, 475-486.	3.0	13
67	Cooled Pads for Tilting-Pad Journal Bearings. Lubricants, 2019, 7, 92.	1.2	13
68	Fault Detection and Severity Level Identification of Spiral Bevel Gears under Different Operating Conditions Using Artificial Intelligence Techniques. Machines, 2021, 9, 173.	1.2	13
69	Intelligent Defect Diagnosis of Rolling Element Bearings under Variable Operating Conditions Using Convolutional Neural Network and Order Maps. Sensors, 2022, 22, 2026.	2.1	13
70	Accuracy of Fault Detection in Real Rotating Machinery Using Model Based Diagnostic Techniques. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 1026-1034.	0.3	12
71	Identification Dynamic Force Coefficients of a Five-Pad Tilting-Pad Journal Bearing. Mechanisms and Machine Science, 2015, , 931-941.	0.3	12
72	Robust estimation of excitations in mechanical systems using M-estimatorsâ€"Experimental applications. Journal of Sound and Vibration, 2009, 319, 140-162.	2.1	10

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73	Analysis of the Instability Phenomena Caused by Steam in High-Pressure Turbines. Shock and Vibration, 2011, 18, 593-612.	0.3	10
74	INTERNAL LOBE PUMP DESIGN. Transactions of the Canadian Society for Mechanical Engineering, 1997, 21, 109-121.	0.3	9
75	Modeling and Model Updating of Torsional Behavior of an Industrial Steam Turbo Generator. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	8
76	The Combination of Empirical Mode Decomposition and Minimum Entropy Deconvolution for Roller Bearing Diagnostics in Non-Stationary Operation. , 2012, , .		8
77	Analysis of the Dynamic Behavior of Two High-Pressure Turbines for the Possible Detection of Rub Symptoms. , 2016, , .		8
78	Rotordynamic Characterization of a Staggered Labyrinth Seal: Experimental Test Data and Comparison With Predictions. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	8
79	Optimization of continuous sensor placement for modal analysis: Application to an optical backscatter reflectometry strain sensor. Mechanical Systems and Signal Processing, 2021, 150, 107242.	4.4	8
80	Effectiveness of MED for Fault Diagnosis in Roller Bearings. Springer Proceedings in Physics, 2011, , 637-642.	0.1	8
81	Bivariate analysis of complex vibration data: An application to condition monitoring of rotating machinery. Mechanical Systems and Signal Processing, 2006, 20, 2340-2374.	4.4	7
82	Application and Comparison of High Breakdown-Point and Bounded-Influence Estimators to Rotor Balancing. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.0	7
83	Deviations Induced by Tool Sharpening in the Profile of Three Screw Pump Rotors. Meccanica, 1997, 32, 567-576.	1.2	6
84	Multiple Fault Identification Method in the Frequency Domain for Rotor Systems. Shock and Vibration, 2002, 9, 203-215.	0.3	6
85	Robustness of Command Input Preshaping Technique Applied to Residual Vibration Reduction. Shock and Vibration, 2004, 11, 377-382.	0.3	6
86	The effect of rotor eccentricity on the radial and tangential electromagnetic stresses in synchronous machines. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	6
87	Case History of Pad Fluttering in a Tilting-Pad Journal Bearing. , 2010, , .		6
88	Turboalternator shaft voltage measurements. , 2012, , .		6
89	Behavior of a Tiltingâ€“Pad Journal Bearing With Different Load Directions. , 2015, , .		6
90	An Experimental Study of Nonlinear Oil-Film Forces in a Tilting-Pad Journal Bearing. , 2015, , .		6

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91	Analysis of the periodic breathing of a transverse annular crack propagated in a real rotating machine. Engineering Failure Analysis, 2019, 99, 126-140.	1.8	6
92	Static and dynamic behaviors of a cylindrical hydrodynamic journal bearing operating at very low Sommerfeld numbers. Mechanisms and Machine Science, 2019, , 3835-3844.	0.3	6
93	Biomechanical Analysis of Pedalling for Rehabilitation Purposes: Experimental Results on Two Pathological Subjects and Comparison with Non-pathological Findings. Computer Methods in Biomechanics and Biomedical Engineering, 2004, 7, 339-345.	0.9	5
94	Optimal Frequency Band Selection for the Square Envelope Spectrum in the Diagnostics of Rolling Element Bearings. , 2014, , .		5
95	Design and Analysis of CFD Experiments for the Development of Bulk-Flow Model for Staggered Labyrinth Seal. International Journal of Rotating Machinery, 2018, 2018, 1-16.	0.8	5
96	Definition of Damage Indices for Railway Axle Bearings: Results of Long-Lasting Tests. Machines, 2021, 9, 12.	1.2	5
97	Signal Processing Diagnostic Tool for Rolling Element Bearings Using EMD and MED. Lecture Notes in Mechanical Engineering, 2014, , 379-388.	0.3	5
98	Tribological Characterization of Polyether Ether Ketone (PEEK) Polymers Produced by Additive Manufacturing for Hydrodynamic Bearing Application. Lubricants, 2021, 9, 112.	1.2	5
99	Effects of the Hot Alignment of a Power Unit on Oil-Whip Instability Phenomena. International Journal of Rotating Machinery, 2010, 2010, 1-12.	0.8	4
100	Hydraulic Instability Onset Detection in Kaplan Turbines by Monitoring Shaft Vibrations. , 2012, , .		4
101	Fault Symptoms of Rolling Element Bearings Under Variable Operating Conditions: A Multi Domain Analysis. , 2012, , .		4
102	Diagnostic of Rolling Element Bearings with Envelope Analysis in Non-Stationary Conditions. Lecture Notes in Mechanical Engineering, 2014, , 127-135.	0.3	4
103	Design of a Novel Multicylinder Stirling Engine. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	1.7	4
104	Sensitivity Analysis of the One-Control Volume Bulk-Flow Model for a 14 Teeth-on-Stator Straight-Through Labyrinth Seal. , 2017, , .		4
105	A Novel Procedure for the Selection of the Frequency Band in the Envelope Analysis for Rolling Element Bearing Diagnostics. Mechanisms and Machine Science, 2015, , 421-430.	0.3	4
106	Identification of a Generator Fault by Model-Based Diagnostic Techniques. International Journal of Rotating Machinery, 2004, 10, 293-300.	0.8	3
107	Faults Identification and Corrective Actions in Rotating Machinery at Rated Speed. Shock and Vibration, 2006, 13, 485-503.	0.3	3
108	Rotor Testing for Crack Detection. , 2010, , 37-90.		3

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109	Crack Modelling. , 2010, , 109-198.		3
110	Multiphysics Modeling of a Tilting Pad Thrust Bearing: Comparison Between White Metal and Polymeric Layered Pads. , 2011, , .		3
111	Effects of Thermal Transients on Cracked Shaft Vibrations. , 2011, , .		3
112	Dynamic Effects of Electrical Pitting in Steam-Turbine Tilting-Pad Thrust-Bearings. , 2012, , .		3
113	Behavior of Tiltingâ€“Pad Journal Bearings With Large Machining Error on Pads. , 2016, , .		3
114	Static Characteristics of a Tilting Five-Pad Journal Bearing with an Asymmetric Geometry. Actuators, 2020, 9, 89.	1.2	3
115	An Unconventional Method for the Diagnosis and Study of Generator Rotor Thermal Bows. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	0.5	3
116	Tracking the Damage Level in Rolling Element Bearings. Mechanisms and Machine Science, 2015, , 399-407.	0.3	3
117	Architecture of the Monitoring System for the Traction System Bearings of a Regional Locomotive. Mechanisms and Machine Science, 2015, , 455-464.	0.3	3
118	Investigation of PEEK Lined Pads for Tilting-Pad Journal Bearings. Machines, 2022, 10, 125.	1.2	3
119	Diaphragm design improvement for a metering pump. Engineering Failure Analysis, 2001, 8, 1-13.	1.8	2
120	Crack Detectability in Vertical Axis Cooling Pumps During Operation. International Journal of Rotating Machinery, 2004, 10, 121-133.	0.8	2
121	Stability Analysis of a Cracked Rotor With Several Degrees of Freedom. , 2009, , .		2
122	Identification of mechanical faults in rotating machinery for power generation. , 2010, , .		2
123	Detection of Unsteady Flow in a Kaplan Hydraulic Turbine Using Machine Mechanical Model and Rotor Measured Vibrations. , 2012, , .		2
124	Unbalance Identification in Large Steam Turbo-Generator Unit Using a Model-Based Method. , 2013, , .		2
125	Comparison of the dynamic response of two columns of milling machines made of standard carpentry and metal foam sandwiches. JVC/Journal of Vibration and Control, 2017, 23, 2782-2794.	1.5	2
126	Behaviour of Tilting-Pad Journal Bearings in Case of Large Manufacturing Errors. Mechanisms and Machine Science, 2017, , 221-227.	0.3	2

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127	Numerical Modeling of Spiral Vibrations Caused by the Presence of Brush Seals. Mechanisms and Machine Science, 2019, , 449-470.	0.3	2
128	Performances Degradation of Tilting-Pad Thrust Bearings Due to Electrical Pitting. Mechanisms and Machine Science, 2015, , 981-994.	0.3	2
129	A Special Type of Crank Mechanism With Variable Stroke. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 468-472.	1.7	2
130	Evaluation of Human Body Dynamical Behaviour During Handling Maneuvers and Crash Test Simulations Using Multi-Body Codes. , 2006, , .		2
131	Optimal sensor placement for continuous optical fiber sensors. , 2018, , .		2
132	Optimized Tribo-Design of Lubricants for Power Loss Reduction in Journal Bearings Used in Process Industry. Mechanisms and Machine Science, 2019, , 437-448.	0.3	2
133	Effect of the Unbalanced Magnetic Pull in Turbo-generators During the Transient Excitation. , 2007, , .		1
134	Computational Model for Calculating the Dynamical Behaviour of Generators Caused by Unbalanced Magnetic Pull and Experimental Validation. , 2007, , 1313.		1
135	Design improvement of screw pump power sources for hydraulic elevators to reduce noise emissions. Noise Control Engineering Journal, 2007, 55, 164.	0.2	1
136	On the â€œSnubbingâ€•Mechanism for Reducing Blade Vibration. , 2007, , .		1
137	Comments on â€œSimple explicit formulae for calculating limit dimensions to avoid undercutting in the rotor of a Cycloid rotor pumpâ€•by Ye, Zhonghe; Zhang, Wei; Huang, Qinghai; Chen, Chuanming [Mech. Mach. Theory 41 (4) (2006) 405â€“414]. Mechanism and Machine Theory, 2007, 42, 1672-1675.	2.7	1
138	Analysis of Unbalanced Magnetic Pull Calculation in Generators With Two Pole Pairs. , 2009, , .		1
139	Characterization of Five-Pad Tilting-Pad Journal Bearings Using an Original Test-Rig. , 2011, , .		1
140	Analysis of the Effects of Parallel and Angular Misalignment in Hyperstatic Rotors Equipped With Oil-Film Bearings. , 2011, , .		1
141	Design of a Stirling Machine in a Multi-Cylinder Configuration for Microcogeneration. , 2012, , .		1
142	Diagnostics of Rolling Element Bearings for the Traction System of High Speed Trains: Experimental Evidences. , 2013, , .		1
143	Condition Monitoring and Diagnostics of Wind Turbines: A Survey. , 2014, , .		1
144	On the Thermodynamic Process in the Bulk-Flow Model for the Estimation of the Dynamic Coefficients of Labyrinth Seals. , 2017, , .		1

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145	Introduction of advanced technologies for steam turbine bearings. , 2017, , 321-380.		1
146	Rotordynamic Characterization of a Staggered Labyrinth Seal: Experimental Test Data and Comparison With Predictions. , 2018, , .		1
147	A Rolling Element Bearing Diagnosis Method Based on Singular Value Decomposition and Squared Envelope Spectrum. , 2021, , .		1
148	Optimization of an Oil Film Journal Bearing for Temperature Reduction. , 2021, , .		1
149	Intermittent Rub Caused by Carbonized Oil in a Steam Turbine. Mechanisms and Machine Science, 2019, , 290-304.	0.3	1
150	Typical Dynamic Behaviour of Cracked Shafts. , 2010, , 17-35.		1
151	LM9000 Free Power Turbine: Advanced Test Bench. , 2020, , .		1
152	Special Signal Processing Tools for the Experimental Data of Spiral Vibrations. Mechanisms and Machine Science, 2019, , 305-320.	0.3	1
153	Reduction of Quasi-Impulsive Forces and Noise Emission in Three-Screw Pump Rotors. International Journal of Fluid Power, 2001, 2, 23-31.	0.7	0
154	Comments on â€œAccuracy in the identification of a generator thermal bowâ€• Journal of Sound and Vibration, 2005, 282, 1321.	2.1	0
155	Dynamic Investigation on a Pelton Runner: FEM Calculation and Experimental Results. , 2007, , 1289.		0
156	Identification of a Rotor Crack in a Gas Turbine Without Twice Per Revolution Symptoms. , 2007, , .		0
157	Introduction of Model-Based Identification Methods Applied to Rotating Machinery of EÂ´lectriciteÂ´ de France. , 2009, , .		0
158	A New Method for Dynamic Analysis of Pelton Runners Using CFD/FEM Interaction. , 2009, , .		0
159	Model Based Analysis of Steam-Whip Instability Onsets Occurred in a Power Plant. , 2009, , .		0
160	Torsional Vibrations Caused by Geared Coupling in a Shaft Train Driven by a Steam Turbine. , 2010, , .		0
161	Effects of the Shaft Normal Modes on the Model-Based Identification of Unbalances in Rotating Machines. , 2011, , .		0
162	Modeling of the Dynamic Response of a Pelton Turbine Hydroelectric Plant. , 2011, , .		0

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163	Torsional Vibrations Caused by Geared Coupling in a Shaft Train Driven by a Steam Turbine. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	0
164	Dynamic Effects Caused by the Non-Linear Behavior of Oil-Film Journal Bearings in Rotating Machines. , 2012, , .		0
165	Reliability Analysis of Automotive Semi-Axle on Basic of Imprecise Probability. , 2013, , .		0
166	A Methodology for the Appropriation and the Isolation of Nodal Diameter Modes in Cyclic Symmetric Structures. , 2013, , .		0
167	Study of Snubbing Mechanism Using Finite Element Method. , 2014, , .		0
168	On-Line Tracking and Monitoring of Rolling Element Bearing Faults. , 2014, , .		0
169	A Novel Threshold for the Diagnostics of Rolling Element Bearing. , 2014, , .		0
170	Influence of the Supporting Structure Dynamic Behaviour on the Shaft Vibration of a Real Rotating Machine. Mechanisms and Machine Science, 2015, , 2123-2136.	0.3	0
171	Development of an Active Control System for Rotating Machinery by Means of Tilting Pad Journal Bearings. , 2016, , .		0
172	Unconventional Techniques for the Analysis of Experimental Spiral Vibrations. , 2018, , .		0
173	Numerical Modeling of Thermally-Induced Vibration in Rotor Caused by Light-Rub Against Brush Seal. , 2018, , .		0
174	Rotordynamic Characterization of Labyrinth Seals in Steam Turbines: Effects of Thermal and Mechanical Loads. , 2018, , .		0
175	Effects of Severe Operating Conditions (High Loads/Low Rotational Speeds) on Sleeve Journal Bearings. Mechanisms and Machine Science, 2019, , 491-504.	0.3	0
176	Dynamic Characteristics of a Non-symmetric Tilting Pad Journal Bearing. Lecture Notes in Electrical Engineering, 2020, , 658-669.	0.3	0
177	Modelling of Magnetic Pull in Large Size Generator. , 2005, , .		0
178	Rotating Shafts Affected by Transverse Cracks: A Sensitivity Analysis. , 2008, , .		0
179	Application of Robust Regression Methods to Rotor Balancing Using High Breakdown Point and Bounded-Influence Estimators. , 2009, , .		0
180	Updating of the Torsional Model of a Steam Turbo Generator. , 2009, , .		0

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181	Cracks in Rotating Shafts. , 2010, , 1-15.		0
182	Results Obtained Using Simulations. , 2010, , 199-246.		0
183	Crack Diagnosis in Rotating Shafts. , 2010, , 303-394.		0
184	Some Special Effects Caused by Cracks. , 2010, , 247-301.		0
185	An Insight Into the Snubbing Mechanism for the Reduction of Turbine Blade Vibration by Analyzing Chaotic Behaviour. , 2011, , .		0
186	Sensor Nodes for the Dynamic Assessment of Alpine Skis. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 471-479.	0.3	0
187	Use of Chaos in the Diagnostics of Rolling Element Bearings. Mechanisms and Machine Science, 2015, , 485-495.	0.3	0
188	Explanation of the Snubbing Mechanism on Vibration Reduction by Means of Chaos Metrics. Mechanisms and Machine Science, 2015, , 129-141.	0.3	0
189	Application of a Model-Based Method for Balancing a Large Steam Turbo-Generator Unit. Mechanisms and Machine Science, 2015, , 735-743.	0.3	0
190	Successful Elimination of a Pad-Fluttering Phenomenon. Mechanisms and Machine Science, 2015, , 1033-1043.	0.3	0
191	Diagnostics of Rolling Element Bearings by Means of the Higuchy Fractal Dimension. , 2015, , .		0
192	Dynamic Characterization of Milling Plant Columns. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 311-321.	0.3	0
193	Development and Validation of a Bulk-Flow Model for Staggered Labyrinth Seals. Mechanisms and Machine Science, 2019, , 471-490.	0.3	0
194	Simulation of Tilting-pad Journal Bearing Equipped with Cooled Pads. Mechanisms and Machine Science, 2019, , 3805-3814.	0.3	0
195	Diagnostics of Roller Bearings Faults During Long-Lasting Tests. Mechanisms and Machine Science, 2021, , 687-698.	0.3	0
196	Rotor Stability Effects of Tilting Pad Journal Bearings with Assembled Clearance Asymmetry. Journal of Engineering for Gas Turbines and Power, 2022, , .	0.5	0