Luis A San Andres

List of Publications by Year
in descending order

210 papers	3,816 citations	136885 32 h-index	214721 47 g-index
210 all docs	210 docs citations	210 times ranked	609 citing authors

#	Article	IF	Citations
1	Analysis of gas foil bearings integrating FE top foil models. Tribology International, 2009, 42, 111-120.	3.0	107
2	Forced nonlinear response of gas foil bearing supported rotors. Tribology International, 2008, 41, 704-715.	3.0	94
3	Bump-Type Foil Bearing Structural Stiffness: Experiments and Predictions. Journal of Engineering for Gas Turbines and Power, 2006, 128, 653.	0.5	82
4	Heavily Loaded Gas Foil Bearings: A Model Anchored to Test Data. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	76
5	Structural Stiffness, Dry Friction Coefficient, and Equivalent Viscous Damping in a Bump-Type Foil Gas Bearing. Journal of Engineering for Gas Turbines and Power, 2007, 129, 494-502.	0.5	72
6	Thermal effects on the performance of floating ring bearings for turbochargers. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2004, 218, 437-450.	1.0	71
7	Effects of a Mechanical Preload on the Dynamic Force Response of Gas Foil Bearings: Measurements and Model Predictions. Tribology Transactions, 2009, 52, 569-580.	1.1	70
8	Hybrid Flexure Pivot-Tilting Pad Gas Bearings: Analysis and Experimental Validation. Journal of Tribology, 2006, 128, 551-558.	1.0	67
9	Rotordynamics of Small Turbochargers Supported on Floating Ring Bearingsâ€"Highlights in Bearing Analysis and Experimental Validation. Journal of Tribology, 2007, 129, 391-397.	1.0	66
10	Measurement of Structural Stiffness and Damping Coefficients in a Metal Mesh Foil Bearing. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	65
11	Thermohydrodynamic Analysis of Bump Type Gas Foil Bearings: A Model Anchored to Test Data. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	64
12	Analysis of Variable Fluid Properties, Turbulent Annular Seals. Journal of Tribology, 1991, 113, 694-702.	1.0	59
13	A Model for Squeeze Film Dampers Operating With Air Entrainment and Validation With Experiments. Journal of Tribology, 2001, 123, 125-133.	1.0	57
14	On the Numerical Modeling of High-Speed Hydrodynamic Gas Bearings. Journal of Tribology, 1999, 122, 124-130.	1.0	51
15	Analysis of advanced gas foil bearings with piecewise linear elastic supports. Tribology International, 2007, 40, 1239-1245.	3.0	49
16	Analysis of Squeeze Film Dampers Operating With Bubbly Lubricants. Journal of Tribology, 2000, 122, 205-210.	1.0	48
17	Nonlinear Rotordynamics of Automotive Turbochargers: Predictions and Comparisons to Test Data. Journal of Engineering for Gas Turbines and Power, 2007, 129, 488.	0.5	47
18	Rotordynamic Performance of a Rotor Supported on Bump Type Foil Gas Bearings: Experiments and Predictions. Journal of Engineering for Gas Turbines and Power, 2007, 129, 850-857.	0.5	47

#	Article	IF	Citations
19	Theoretical and Experimental Comparisons for Rotordynamic Coefficients of a High-Speed, High-Pressure, Orifice-Compensated Hybrid Bearing. Journal of Tribology, 1995, 117, 285-290.	1.0	45
20	Characterization of a Foil Bearing Structure at Increasing Temperatures: Static Load and Dynamic Force Performance. Journal of Tribology, 2009, 131, .	1.0	43
21	Effect of Fluid Inertia on Squeeze-Film Damper Forces for Small-Amplitude Circular-Centered Motions. ASLE Transactions, 1987, 30, 63-68.	0.6	42
22	Rotordynamic Performance of Flexure Pivot Hydrostatic Gas Bearings for Oil-Free Turbomachinery. Journal of Engineering for Gas Turbines and Power, 2007, 129, 1020-1027.	0.5	42
23	A Metal Mesh Foil Bearing and a Bump-Type Foil Bearing: Comparison of Performance for Two Similar Size Gas Bearings. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	42
24	Experimental Versus Theoretical Characteristics of a High-Speed Hybrid (Combination Hydrostatic and) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	41
25	Test Response and Nonlinear Analysis of a Turbocharger Supported on Floating Ring Bearings. Journal of Vibration and Acoustics, Transactions of the ASME, 2005, 127, 107-115.	1.0	41
26	Rotordynamic Force Coefficients of Bubbly Mixture Annular Pressure Seals. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	40
27	Turbulent Flow, Flexure-Pivot Hybrid Bearings for Cryogenic Applications. Journal of Tribology, 1996, 118, 190-200.	1.0	39
28	Effects of fluid compressibility on the dynamic response of hydrostatic journal bearings. Wear, 1991, 146, 269-283.	1.5	38
29	Angled Injectionâ€"Hydrostatic Bearings Analysis and Comparison to Test Results. Journal of Tribology, 1997, 119, 179-187.	1.0	38
30	Effects of Fluid Inertia on Finite-Length Squeeze-Film Dampers. ASLE Transactions, 1987, 30, 384-393.	0.6	36
31	The Role of Pivot Stiffness on the Dynamic Force Coefficients of Tilting Pad Journal Bearings. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	35
32	Limits for High-Speed Operation of Gas Foil Bearings. Journal of Tribology, 2006, 128, 670-673.	1.0	34
33	On the Effect of Thermal Energy Transport to the Performance of (Semi) Floating Ring Bearing Systems for Automotive Turbochargers. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	33
34	Bulk-Flow Model for the Transition to Turbulence Regime in Annular Pressure Seals. Tribology Transactions, 1996, 39, 835-842.	1.1	32
35	Effect of Eccentricity on the Force Response of a Hybrid Bearing. Tribology Transactions, 1991, 34, 537-544.	1.1	31
36	Analysis of Turbulent Hydrostatic Bearings With a Barotropic Cryogenic Fluid. Journal of Tribology, 1992, 114, 755-764.	1.0	31

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37	Turbulent-flow hydrostatic bearings: Analysis and experimental results. International Journal of Mechanical Sciences, 1995, 37, 815-829.	3.6	31
38	Improvements to the Analysis of Gas Foil Bearings: Integration of Top Foil 1D and 2D Structural Models. , 2007, , 779.		31
39	A Virtual Tool for Prediction of Turbocharger Nonlinear Dynamic Response: Validation Against Test Data. Journal of Engineering for Gas Turbines and Power, 2007, 129, 1035-1046.	0.5	31
40	Thermohydrodynamic Model Predictions and Performance Measurements of Bump-Type Foil Bearing for Oil-Free Turboshaft Engines in Rotorcraft Propulsion Systems. Journal of Tribology, 2010, 132, .	1.0	31
41	Analysis of Short Squeeze Film Dampers With a Central Groove. Journal of Tribology, 1992, 114, 659-664.	1.0	30
42	Prediction of Gas Thrust Foil Bearing Performance for Oil-Free Automotive Turbochargers. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	30
43	Flow Visualization and Forces From a Squeeze Film Damper Operating With Natural Air Entrainment. Journal of Tribology, 2003, 125, 325-333.	1.0	29
44	Thermohydrodynamic analysis of fluid film bearings for cryogenic applications. Journal of Propulsion and Power, 1995, 11, 964-972.	1.3	28
45	Turbulent Flow Foil Bearings for Cryogenic Applications. Journal of Tribology, 1995, 117, 185-195.	1.0	28
46	Identification of Structural Stiffness and Energy Dissipation Parameters in a Second Generation Foil Bearing: Effect of Shaft Temperature. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	28
47	Force Coefficients for Open-Ended Squeeze-Film Dampers Executing Small-Amplitude Motions About an Off-Center Equilibrium Position. ASLE Transactions, 1987, 30, 69-76.	0.6	27
48	Thermal Effects in Cryogenic Liquid Annular Sealsâ€"Part I: Theory and Approximate Solution. Journal of Tribology, 1993, 115, 267-276.	1.0	27
49	Hybrid Gas Bearings With Controlled Supply Pressure to Eliminate Rotor Vibrations While Crossing System Critical Speeds. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	27
50	Measurements of Drag Torque, Lift-Off Journal Speed, and Temperature in a Metal Mesh Foil Bearing. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	27
51	The Effect of Journal Misalignment on the Operation of a Turbulent Flow Hydrostatic Bearing. Journal of Tribology, 1993, 115, 355-363.	1.0	26
52	Field Methods for Identification of Bearing Support Parametersâ€"Part II: Identification From Rotor Dynamic Response due to Imbalances. Journal of Engineering for Gas Turbines and Power, 2007, 129, 213-219.	0.5	26
53	A Novel Bulk-Flow Model for Improved Predictions of Force Coefficients in Grooved Oil Seals Operating Eccentrically. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	26
54	Gas labyrinth seals: On the effect of clearance and operating conditions on wall friction factors â€“ A CFD investigation. Tribology International, 2019, 131, 363-376.	3.0	26

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55	Effect of Side Feed Pressurization on the Dynamic Performance of Gas Foil Bearings: A Model Anchored to Test Data. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	25
56	On the Failure of a Gas Foil Bearing: High Temperature Operation Without Cooling Flow. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	25
57	Force coefficients for a large clearance open ends squeeze film damper with a central feed groove: Experiments and predictions. Tribology International, 2014, 71, 17-25.	3.0	25
58	Measurements of Flow Rate and Force Coefficients in a Short-Length Annular Seal Supplied with a Liquid/Gas Mixture (Stationary Journal). Tribology Transactions, 2016, 59, 758-767.	1.1	25
59	Experimental Study on the Effect of a Circumferential Feeding Groove on the Dynamic Force Response of a Sealed Squeeze Film Damper. Journal of Tribology, 1996, 118, 900-905.	1.0	24
60	Effects of Misalignment on Turbulent Flow Hybrid Thrust Bearings. Journal of Tribology, 2002, 124, 212-219.	1.0	24
61	Identification of Force Coefficients in a Squeeze Film Damper With a Mechanical End Sealâ€"Centered Circular Orbit Tests. Journal of Tribology, 2007, 129, 660-668.	1.0	24
62	A Model for Improved Prediction of Force Coefficients in Grooved Squeeze Film Dampers and Oil Seal Rings. Journal of Tribology, 2010, 132, .	1.0	24
63	Orbit-Model Force Coefficients for Fluid Film Bearings: A Step Beyond Linearization. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	23
64	A Method for Identification of Bearing Force Coefficients and Its Application to a Squeeze Film Damper with a Bubbly Lubricant. Tribology Transactions, 1999, 42, 739-746.	1.1	22
65	Field Methods for Identification of Bearng Support Parametersâ€"Part I: Identification From Transient Rotor Dynamic Response due to Impacts. Journal of Engineering for Gas Turbines and Power, 2007, 129, 205-212.	0.5	22
66	Thermal Management and Rotordynamic Performance of a Hot Rotor-Gas Foil Bearings Systemâ€"Part I: Measurements. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	22
67	A Computational Fluid Dynamics Modified Bulk Flow Analysis for Circumferentially Shallow Grooved Liquid Seals. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	22
68	Laminar Flow in a Recess of a Hydrostatic Bearing. Tribology Transactions, 1992, 35, 738-744.	1.1	21
69	Forced Response of a Squeeze Film Damper and Identification of Force Coefficients From Large Orbital Motions. Journal of Tribology, 2004, 126, 292-300.	1.0	21
70	Damping and Inertia Coefficients for Two End Sealed Squeeze Film Dampers With a Central Groove: Measurements and Predictions. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	21
71	Imbalance Response of a Rotor Supported on Flexure Pivot Tilting Pad Journal Bearings in Series With Integral Squeeze Film Dampers. Journal of Engineering for Gas Turbines and Power, 2003, 125, 1026-1032.	0.5	20
72	Experimental Identification of Bearing Dynamic Force Coefficients in A Flexible Rotorâ€"Further Developments. Tribology Transactions, 2007, 50, 114-126.	1.1	20

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73	Flexure Pivot Tilting Pad Hybrid Gas Bearings: Operation With Worn Clearances and Two Load-Pad Configurations. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	20
74	Comparison of Leakage Performance in Three Types of Gas Annular Seals Operating at a High Temperature (300Â°C). Tribology Transactions, 2010, 53, 463-471.	1.1	20
75	Nonlinear Dynamic Behavior of Turbocharger Rotor-Bearing Systems With Hydrodynamic Oil Film and Squeeze Film Damper in Series: Prediction and Experiment. Journal of Computational and Nonlinear Dynamics, 2010, 5, .	0.7	20
76	Effect of Cooling Flow on the Operation of a HotRotor-Gas Foil Bearing System. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	20
77	Effect of Pad Flexibility on the Performance of Tilting Pad Journal Bearingsâ€"Benchmarking a Predictive Model. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	20
78	Transient Response of Externally Pressurized Fluid Film BearingsÂ©. Tribology Transactions, 1997, 40, 147-155.	1.1	19
79	Bulk-Flow Analysis of Hybrid Thrust Bearings for Process Fluid Applications. Journal of Tribology, 2000, 122, 170-180.	1.0	19
80	Metal Mesh Foil Bearing: Effect of Motion Amplitude, Rotor Speed, Static Load, and Excitation Frequency on Force Coefficients. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	19
81	Identification of Rotordynamic Force Coefficients of a Metal Mesh Foil Bearing Using Impact Load Excitations. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	19
82	A Thermoelastohydrodynamic Analysis for the Static Performance of High-Speedâ€"Heavy Load Tilting-Pad Journal Bearing Operating in the Turbulent Flow Regime and Comparisons to Test Data. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	18
83	Measurements of Pressure in a Squeeze Film Damper with an Air/Oil Bubbly Mixture. Tribology Transactions, 1998, 41, 282-288.	1.1	17
84	Sine Sweep Loadvs. Impact Excitations and Their Influence on the Damping Coefficients of a Bubbly Oil Squeeze Film Damper. Tribology Transactions, 2001, 44, 692-698.	1.1	17
85	Structural Stiffness, Dry-Friction Coefficient and Equivalent Viscous Damping in a Bump-Type Foil Gas Bearing. , 2005, , 737.		17
86	Experimental Response of Simple Gas Hybrid Bearings for Oil-Free Turbomachinery. Journal of Engineering for Gas Turbines and Power, 2006, 128, 626-633.	0.5	17
87	Leakage and Dynamic Force Coefficients for Two Labyrinth Gas Seals: Teeth-on-Stator and Interlocking Teeth Configurations. A Computational Fluid Dynamics Approach to Their Performance. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	17
88	Experimental Force Coefficients for Two Sealed Ends Squeeze Film Dampers (Piston Rings and O-Rings): An Assessment of Their Similarities and Differences. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	16
89	Performance Characteristics of Metal Mesh Foil Bearings: Predictions Versus Measurements. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	15
90	Tilting Pad Journal Bearings: On Bridging the Hot Gap Between Experimental Results and Model Predictions. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	15

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91	Performance of Damaged Hydrostatic Bearings: Predictions Versus Experiments. Journal of Tribology, 2003, 125, 451-456.	1.0	15
92	Air Entrainment Versus Lubricant Vaporization in Squeeze Film Dampers: An Experimental Assessment of Their Fundamental Differences. Journal of Engineering for Gas Turbines and Power, 2001, 123, 871-877.	0.5	14
93	Identification of Journal Bearing Force Coefficients under High Dynamic Loading Centered Static Operation. Tribology Transactions, 2005, 48, 9-17.	1.1	14
94	Identification of Force Coefficients in a Squeeze Film Damper With a Mechanical Seal: Large Contact Force. Journal of Tribology, 2010, 132, .	1.0	14
95	Thermal Management and Rotordynamic Performance of a Hot Rotor-Gas Foil Bearings Systemâ€"Part II: Predictions Versus Test Data. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	14
96	Experimental Performance of an Open Ends, Centrally Grooved, Squeeze Film Damper Operating With Large Amplitude Orbital Motions. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	14
97	Forced Coefficients for a Short Length, Open Ends Squeeze Film Damper With End Grooves: Experiments and Predictions. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	14
98	Dynamic Force and Moment Coefficients for Short Length Annular Seals. Journal of Tribology, 1993, 115, 61-70.	1.0	13
99	A Bulk Flow Model for Off-Centered Honeycomb Gas Seals. Journal of Engineering for Gas Turbines and Power, 2007, 129, 185-194.	0.5	13
100	Improved Estimation of Bearing Pads' Inlet Temperature: A Model for Lubricant Mixing at Oil Feed Ports and Validation against Test Data. Journal of Tribology, 2019, 141, .	1.0	13
101	Effect of Shaft Misalignment on the Dynamic Force Response of Annular Pressure Seals. Tribology Transactions, 1993, 36, 173-182.	1.1	12
102	Damping and Inertia Coefficients for Two Open Ends Squeeze Film Dampers With a Central Groove: Measurements and Predictions. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	12
103	Dynamic Force Response of Spherical Hydrostatic Journal Bearings for Cryogenic Applications. Tribology Transactions, 1994, 37, 463-470.	1.1	11
104	Dynamic Force Coefficients of a Multiple-Blade, Multiple-Pocket Gas Damper Seal: Test Results and Predictions. Journal of Tribology, 2000, 122, 317-322.	1.0	11
105	Finite element analysis of gas bearings for oil-free turbomachinery. Revue Europeenne Des Elements, 2001, 10, 769-790.	0.1	11
106	Measurements of leakage, structural stiffness and energy dissipation parameters in a shoed brush seal. Sealing Technology, 2005, 2005, 7-10.	0.2	11
107	Identification of Structural Stiffness and Damping Coefficients of a Shoed-Brush Seal. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 648-655.	1.0	11
108	Identification of Force Coefficients in a Squeeze Film Damper With a Mechanical End Sealâ€"Part I: Unidirectional Load Tests. Journal of Engineering for Gas Turbines and Power, 2007, 129, 858-864.	0.5	11

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109	Turbocharger Nonlinear Response With Engine-Induced Excitations: Predictions and Test Data. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	11
110	An All-Metal Compliant Seal Versus a Labyrinth Seal: A Comparison of Gas Leakage at High Temperatures. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	11
111	Leakage, Drag Power, and Rotordynamic Force Coefficients of an Air in Oil (Wet) Annular Seal. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	11
112	On the Leakage, Torque, and Dynamic Force Coefficients of Air in Oil (Wet) Annular Seal: A Computational Fluid Dynamics Analysis Anchored to Test Data. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	11
113	Leakage and Dynamic Force Coefficients of a Pocket Damper Seal Operating Under a Wet Gas Condition: Tests Versus Predictions. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	11
114	Analysis of Multi-Land High Pressure Oil Seals. Tribology Transactions, 1993, 36, 661-669.	1.1	10
115	Imbalance Response and Damping Force Coefficients of a Rotor Supported on End Sealed Integral Squeeze Film Dampers. , 1999, , .		10
116	Bump-Type Foil Bearing Structural Stiffness: Experiments and Predictions. , 2004, , 671.		10
117	Effect of Fluid Inertia on Force Coefficients for the Long Squeeze Film Damper. Tribology Transactions, 1988, 31, 370-375.	1.1	9
118	Experimental force response of a grooved squeeze film damper. Tribology International, 1997, 30, 77-86.	3.0	9
119	Experimental Response of a Rotor Supported on Rayleigh Step Gas Bearings. , 2005, , 715.		9
120	On the Influence of the Entrance Section on the Rotordynamic Performance of a Pump Seal With Uniform Clearance: A Sharp Edge Versus A Round Inlet. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	9
121	Leakage and Cavity Pressures in an Interlocking Labyrinth Gas Seal: Measurements Versus Predictions. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	9
122	Dynamic Force Performance of Annular Gas Seals at Off-Center ConditionsÂ©. Tribology Transactions, 1994, 37, 33-42.	1.1	8
123	Thermal analysis of locked multi-ring oil seals. Tribology International, 1994, 27, 197-206.	3.0	8
124	Orbit-Based Identification of Damping Coefficients for a Rotor Mounted on Off-Centered Squeeze Film Dampers and Including Support Flexibility. , 2000, , .		8
125	Pressure Measurements and Flow Visualization in a Squeeze Film Damper Operating With a Bubbly Mixture. Journal of Tribology, 2002, 124, 346-350.	1.0	8
126	On the Predicted Performance of Oil Lubricated Thrust Collars in Integrally Geared Compressors. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	8

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127	Assessment of Porous Type Gas Bearings: Measurements of Bearing Performance and Rotor Vibrations. , 2016, , .		8
128	Static Load Performance of a Water-Lubricated Hydrostatic Thrust Bearing. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	8
129	A Flow Starvation Model for Tilting Pad Journal Bearings and Evaluation of Frequency Response Functions: A Contribution Toward Understanding the Onset of Low Frequency Shaft Motions. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	8
130	Inertia Effects in a Hybrid Bearing With a 45 Degree Entrance Region. Journal of Tribology, 1995, 117, 498-505.	1.0	7
131	Thermal Effects in Liquid Oxygen Hydrostatic Journal Bearings. Tribology Transactions, 1996, 39, 654-662.	1.1	7
132	Dynamic Forced Response of a Rotor-Hybrid Gas Bearing System Due to Intermittent Shocks. , 2009, , .		7
133	Rotordynamic Force Coefficients of a Hybrid Brush Seal: Measurements and Predictions. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	7
134	A New Analysis Tool Assessment for Rotordynamic Modeling of Gas Foil Bearings. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	7
135	Extended Finite Element Analysis of Journal Bearing Dynamic Forced Performance to Include Fluid Inertia Force Coefficients. , 2012, , .		7
136	Transient Response of a Short-Length (L/Dâ€‰=â€‰0.2) Open-Ends Elastically Supported Squeeze Film Damper: Centered and Largely Off-Centered Whirl Motions. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	7
137	Structural and Rotordynamic Force Coefficients of a Shimmed Bump Foil Bearing: An Assessment of a Simple Engineering Practice. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	7
138	A Water-Lubricated Hybrid Thrust Bearing: Measurements and Predictions of Static Load Performance. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	7
139	On the Design, Manufacture, and Premature Failure of a Metal Mesh Foil Thrust Bearingâ€”How Concepts That Work on Paper, Actually Do Not. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	7
140	Model and Experimental Verification of the Dynamic Forced Performance of a Tightly Sealed Squeeze Film Damper Supplied With a Bubbly Mixture. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	7
141	Squeeze Film Damper With a Mechanical End Seal: Experimental Force Coefficients Derived From Circular Centered Orbits. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	6
142	Measurements of Leakage and Power Loss in a Hybrid Brush Seal. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	6
143	Failure of a Test Rig Operating With Pressurized Gas Bearings: A Lesson on Humility. , 2015, , .		6
144	On the Predicted Effect of Angular Misalignment on the Performance of Oil Lubricated Thrust Collars in Integrally Geared Compressors. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	6

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145	Leakage, Drag Power and Rotordynamic Force Coefficients of an Air in Oil (Wet) Annular Seal. , 2017, , .		6
146	Measurements to Quantify the Effect of a Reduced Flow Rate on the Performance of a Tilting Pad Journal Bearing With Flooded Ends. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	6
147	On Tilting Pad Carbonâ€“Graphite Porous Journal Bearings: Measurements of Imbalance Response and Comparison to Predictions of Bearing Performance and System Dynamic Response. Tribology Transactions, 2021, 64, 981-995.	1.1	6
148	On the Effect of the Gap of End Seals on Force Coefficients of a Test Integral Squeeze Film Damper: Experiments and Predictions. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	6
149	On the Effect of Supplied Flow Rate to the Performance of a Tilting-Pad Journal Bearingâ€”Static Load and Dynamic Force Measurements. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	6
150	Pump Grooved Seals: A Computational Fluid Dynamics Approach to Improve Bulk-Flow Model Predictions. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	6
151	Gas Labyrinth Seals: Improved Prediction of Leakage in Gas Labyrinth Seals Using an Updated Kinetic Energy Carry-Over Coefficient. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	6
152	Identification of Force Coefficients from a Gas Annular Seal - Effect of Transition Flow Regime to Turbulence. Tribology Transactions, 1999, 42, 487-494.	1.1	5
153	Dynamic Response of Squeeze Film Dampers Operating With Bubbly Mixtures. Journal of Engineering for Gas Turbines and Power, 2004, 126, 408-415.	0.5	5
154	Nonlinear Identification of Mechanical Parameters in a Squeeze Film Damper With Integral Mechanical Seal. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	5
155	On the Nonlinear Dynamics of Rotor-Foil Bearing Systems: Effects of Shaft Acceleration, Mass Imbalance and Bearing Mechanical Energy Dissipation. , 2011, , .		5
156	On the Influence of Lubricant Supply Conditions and Bearing Configuration to the Performance of (Semi) Floating Ring Bearing Systems for Turbochargers. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	5
157	On the Force Coefficients of a Flooded, Open Ends Short Length Squeeze Film Damper: From Theory to Practice (and Back). Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	5
158	Measurements of Static and Dynamic Load Performance of a 102 MM Carbon-Graphite Porous Surface Tilting-Pad Gas Journal Bearing. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	5
159	Importance of heat transfer from fluid film to stator in turbulent flow annular seals. Wear, 1993, 160, 269-277.	1.5	4
160	Measurements of Static Loading Versus Eccentricity in a Flexure-Pivot Tilting Pad Journal Bearing. Journal of Tribology, 1997, 119, 297-304.	1.0	4
161	Measurements of the Static Load (On Pad) Performance and Pad Temperatures in a Flexure-Pivot Tilting-Pad Bearing. Tribology Transactions, 1998, 41, 225-232.	1.1	4
162	Comparison of Rotordynamic Analysis Predictions With the Test Response of Simple Gas Hybrid Bearings for Oil Free Turbomachinery. Journal of Engineering for Gas Turbines and Power, 2006, 128, 634-643.	0.5	4

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