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	Making Better Swirl Brakes Using Computational Fluid Dynamics: Performance Enhancement From Geometry Variation. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	0.5	3
2	A Model for Tilting Pad Thrust Bearings Operating With Reduced Flow Rateâ€"Do Benefits Outweigh Risks?. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	0.5	1
3	A Thermo-Hydrodynamic Model for Thermal Energy Flow Management in A (Semi) Floating Ring Bearing System for Automotive Turbochargers. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	2
4	On the Leakage and Dynamic Force Coefficients of a Novel Stepped Shaft Pocket Damper Seal: Experimental and Numerical Verification. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	4
5	An Analytical Two-Phase Flow Model for Prediction of Leakage in Wet Gas Labyrinth Seals and Pocket Damper Seals. Is Simplicity Still Desired?. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	3
6	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
7	Porous Gas Journal Bearings: An Exact Solution Revisited and Force Coefficients for Stable Rotordynamic Performance. Applied Sciences (Switzerland), 2021, 11, 7949.	1.3	1
8	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
9	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
10	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
11	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
12	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
13	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
14	On the Influence of Gas Content on the Rotordynamic Force Coefficients of a Three-Wave (Air in Oil) Annular Seal for Multiple Phase Pumps. Journal of Fluids Engineering, Transactions of the ASME, 2020, 142, .	0.8	1
15	A Computational Model for the Analysis of the Static Forced Performance of Self-Equalizing Tilting Pad Thrust Bearings. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	2
16	Experiments With a Rotor-Hybrid Gas Bearing System Undergoing Maneuver Loads From Its Base Support. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	3
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	Leakage and Rotordynamic Force Coefficients of A Three-Wave (Air in Oil) Wet Annular Seal: Measurements and Predictions. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	4
25	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
26	Step Clearance Seals: An Analysis to Demonstrate Their Unique Performance. Journal of Tribology, 2019, 141, .	1.0	3
27	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
28	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
29	Static Load Performance of a Water-Lubricated Hydrostatic Thrust Bearing. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	8
30	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
31	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
32	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
33	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
34	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
35	Leakage and Dynamic Force Coefficients for Two Labyrinth Gas Seals: Teeth-on-Stator and Interlocking Teeth Configurations â€" A CFD Approach to Their Performance. , 2018, , .		3
36	Evaluation of Coated Top Foil Bearings: Dry Friction, Drag Torque, and Dynamic Force Coefficients. , 2018, , .		0

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37	A Thermoelastohydrodynamic Analysis for the Static Performance of High-Speed Heavy Load Tilting-Pad Journal Bearing Operating in the Turbulent Flow Regime and Comparisons to Test Data. , 2018, , .		1
38	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
39	On the Influence of the Entrance Section on the Rotordynamic Performance of a Pump Seal With Uniform Clearance: A Sharp Edge vs. a Round Inlet. , 2018, , .		2
40	On the Leakage, Torque and Dynamic Force Coefficients of an Air in Oil (Wet) Annular Seal: A CFD Analysis Anchored to Test Data. , 2018, , .		0
41	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
42	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
43	Static Load Performance of a Water Lubricated Hydrostatic Thrust Bearing. , 2017, , .		0
44	A Flow Starvation Model for Tilting Pad Journal Bearings and Evaluation of Frequency Response Functions: A Contribution Towards Understanding the Onset of Low Frequency Shaft Motions. , 2017, , .		3
45	Leakage, Drag Power and Rotordynamic Force Coefficients of an Air in Oil (Wet) Annular Seal. , 2017, , .		6
46	Assessment of Porous Type Gas Bearings: Measurements of Bearing Performance and Rotor Vibrations. , 2016, , .		8
47	Response of a Squeeze Film Damper-Elastic Structure System to Multiple and Consecutive Impact Loads. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	2
48	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
49	A Water Lubricated Hybrid Thrust Bearing: Measurements and Predictions of Static Load Performance. , 2016, , .		1
50	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
51	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
52	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
53	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
54	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

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55	Failure of a Test Rig Operating With Pressurized Gas Bearings: A Lesson on Humility. , 2015, , .		6
56	Dynamic Forced Performance of Short Length Open-Ends Squeeze Film Damper with End Grooves. Mechanisms and Machine Science, 2015, , 855-866.	0.3	3
57	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
58	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
59	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
60	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
61	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
62	Measurement of Drag Torque, Lift off Speed and Rotordynamic Force Coefficients in a Shimmed BFB. Mechanisms and Machine Science, 2015, , 909-919.	0.3	3
63	Tilting Pad Journal Bearings: On Bridging the Hot Gap Between Experimental Results and Model Predictions. , 2014, , .		0
64	An All-Metal Compliant Seal Versus a Labyrinth Seal: A Comparison of Gas Leakage at High Temperatures. , 2014, , .		2
65	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
66	Performance Characteristics of Metal Mesh Foil Bearings: Predictions Versus Measurements. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	15
67	Performance Characteristics of Metal Mesh Foil Bearings: Predictions vs. Measurements. , 2013, , .		0
68	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
69	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
70	Measurements of Rotordynamic Response and Temperatures in a Rotor Supported on Metal Mesh Foil Bearings. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	4
71	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
72	Closure to â€œDiscussion on â€˜Damping and Inertia Coefficients for Two End Sealed Squeeze Film Dampers With a Central Groove: Measurements and Predictions,â€™â€•(2013, ASME Paper No. GT2013-94273).. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	1

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73	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
74	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
75	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
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	Rotordynamic Force Coefficients of Bubbly Mixture Annular Pressure Seals. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	40
78	On the Effect of Thermal Energy Transport to the Performance of (Semi)Floating Ring Bearing Systems for Automotive Turbochargers. , 2012, , .		2
79	Extended Finite Element Analysis of Journal Bearing Dynamic Forced Performance to Include Fluid Inertia Force Coefficients. , 2012, , .		7
80	Effect of Cooling Flow on the Operation of a Hot Rotor-Gas Foil Bearing System. , 2012, , .		3
81	Identification of Bearing Stiffness and Damping Coefficients Using Phase-Plane Diagrams. , 2012, , .		3
82	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
83	On the Nonlinear Dynamics of Rotor-Foil Bearing Systems: Effects of Shaft Acceleration, Mass Imbalance and Bearing Mechanical Energy Dissipation. , 2011, , .		5
84	Parametric Study of Bump Foil Gas Bearings for Industrial Applications. , 2011, , .		3
85	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
86	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
87	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
88	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
89	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
90	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

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91	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
92	Identification of Squeeze Film Damper Force Coefficients From Multiple-Frequency Noncircular Journal Motions. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	3
93	Rotordynamic Force Coefficients of a Hybrid Brush Seal: Measurements and Predictions. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	7
94	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
95	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
96	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
97	Turbocharger Nonlinear Response With Engine-Induced Excitations: Predictions and Test Data. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	11
98	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
99	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
100	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
101	Dynamic Response of a Rotor-Hybrid Gas Bearing System Due to Base Induced Periodic Motions. , 2010, , .		2
102	Identification of Force Coefficients in a Squeeze Film Damper With a Mechanical Seal: Large Contact Force. Journal of Tribology, 2010, 132, .	1.0	14
103	Measurements of Leakage and Power Loss in a Hybrid Brush Seal. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	6
104	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
105	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
106	Characterization of a Foil Bearing Structure at Increasing Temperatures: Static Load and Dynamic Force Performance. Journal of Tribology, 2009, 131, .	1.0	43
107	Identification of Squeeze Film Damper Force Coefficients From Multiple-Frequency, Non-Circular Journal Motions. , 2009, , .		2
108	Dynamic Forced Response of a Rotor-Hybrid Gas Bearing System Due to Intermittent Shocks. , 2009, , .		7

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109	Analysis of gas foil bearings integrating FE top foil models. Tribology International, 2009, 42, 111-120.	3.0	107
110	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
111	Forced nonlinear response of gas foil bearing supported rotors. Tribology International, 2008, 41, 704-715.	3.0	94
112	Heavily Loaded Gas Foil Bearings: A Model Anchored to Test Data. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	76
113	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
114	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
115	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
116	Experimental Identification of Bearing Dynamic Force Coefficients in A Flexible Rotorâ€"Further Developments. Tribology Transactions, 2007, 50, 114-126.	1.1	20
117	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
118	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
119	Improvements to the Analysis of Gas Foil Bearings: Integration of Top Foil 1D and 2D Structural Models. , 2007, , 779.		31
120	Effect of Side Feed Pressurization on the Dynamic Performance of Gas Foil Bearings. , 2007, , 981.		1
121	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
122	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
123	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
124	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
125	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
126	A Bulk-Flow Model of Angled Injection Lomakin Bearings. Journal of Engineering for Gas Turbines and Power, 2007, 129, 195-204.	0.5	2

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127	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
128	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
129	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
130	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
131	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
132	Start-up Response of Fluid Film Lubricated Cryogenic Turbo-Pumps. , 2007, , .		2
133	Issues on Instability and Force Nonlinearity in Gas Foil Bearing Supported Rotors. , 2007, , .		3
134	Analysis of advanced gas foil bearings with piecewise linear elastic supports. Tribology International, 2007, 40, 1239-1245.	3.0	49
135	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
136	A Virtual Tool for Prediction of Turbocharger Nonlinear Dynamic Response: Validation Against Test Data. , 2006, , 1313.		2
137	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
138	Bump-Type Foil Bearing Structural Stiffness: Experiments and Predictions. Journal of Engineering for Gas Turbines and Power, 2006, 128, 653.	0.5	82
139	Hybrid Flexure Pivot-Tilting Pad Gas Bearings: Analysis and Experimental Validation. Journal of Tribology, 2006, 128, 551-558.	1.0	67
140	Limits for High-Speed Operation of Gas Foil Bearings. Journal of Tribology, 2006, 128, 670-673.	1.0	34
141	Measurements of leakage, structural stiffness and energy dissipation parameters in a shoed brush seal. Sealing Technology, 2005, 2005, 7-10.	0.2	11
142	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
143	Structural Stiffness, Dry-Friction Coefficient and Equivalent Viscous Damping in a Bump-Type Foil Gas Bearing. , 2005, , 737.		17
144	Experimental Response of a Rotor Supported on Rayleigh Step Gas Bearings. , 2005, , 715.		9

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145	Identification of Journal Bearing Force Coefficients under High Dynamic Loading Centered Static Operation. Tribology Transactions, 2005, 48, 9-17.	1.1	14
146	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
147	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
148	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
149	Bump-Type Foil Bearing Structural Stiffness: Experiments and Predictions. , 2004, , 671.		10
150	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
151	Flow Visualization and Forces From a Squeeze Film Damper Operating With Natural Air Entrainment. Journal of Tribology, 2003, 125, 325-333.	1.0	29
152	Performance of Damaged Hydrostatic Bearings: Predictions Versus Experiments. Journal of Tribology, 2003, 125, 451-456.	1.0	15
153	Effects of Misalignment on Turbulent Flow Hybrid Thrust Bearings. Journal of Tribology, 2002, 124, 212-219.	1.0	24
154	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
155	A Bulk Flow Model for Off-Centered Honeycomb Gas Seals. , 2002, , 543.		0
156	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
157	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
158	A Model for Squeeze Film Dampers Operating With Air Entrainment and Validation With Experiments. Journal of Tribology, 2001, 123, 125-133.	1.0	57
159	Finite element analysis of gas bearings for oil-free turbomachinery. Revue Europeenne Des Elements, 2001, 10, 769-790.	0.1	11
160	Bulk-Flow Analysis of Hybrid Thrust Bearings for Process Fluid Applications. Journal of Tribology, 2000, 122, 170-180.	1.0	19
161	Orbit-Based Identification of Damping Coefficients for a Rotor Mounted on Off-Centered Squeeze Film Dampers and Including Support Flexibility. , 2000, , .		8
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