

# Robert G Parker

## List of Publications by Year in descending order

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165  
papers

6,037  
citations

61857

43  
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82410

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167  
docs citations

167  
times ranked

1682  
citing authors

#	ARTICLE	IF	CITATIONS
1	NON-LINEAR DYNAMIC RESPONSE OF A SPUR GEAR PAIR: MODELLING AND EXPERIMENTAL COMPARISONS. Journal of Sound and Vibration, 2000, 237, 435-455.	2.1	360
2	Nonlinear dynamics of planetary gears using analytical and finite element models. Journal of Sound and Vibration, 2007, 302, 577-595.	2.1	312
3	Dynamic Response of a Planetary Gear System Using a Finite Element/Contact Mechanics Model. Journal of Mechanical Design, Transactions of the ASME, 2000, 122, 304-310.	1.7	238
4	PLANETARY GEAR PARAMETRIC INSTABILITY CAUSED BY MESH STIFFNESS VARIATION. Journal of Sound and Vibration, 2002, 249, 129-145.	2.1	198
5	A PHYSICAL EXPLANATION FOR THE EFFECTIVENESS OF PLANET PHASING TO SUPPRESS PLANETARY GEAR VIBRATION. Journal of Sound and Vibration, 2000, 236, 561-573.	2.1	168
6	Mesh Stiffness Variation Instabilities in Two-Stage Gear Systems. Journal of Vibration and Acoustics, Transactions of the ASME, 2002, 124, 68-76.	1.0	143
7	Stiffness matrix calculation of rolling element bearings using a finite element/contact mechanics model. Mechanism and Machine Theory, 2012, 51, 32-45.	2.7	143
8	SENSITIVITY OF PLANETARY GEAR NATURAL FREQUENCIES AND VIBRATION MODES TO MODEL PARAMETERS. Journal of Sound and Vibration, 1999, 228, 109-128.	2.1	139
9	Dynamic modeling and analysis of a spur planetary gear involving tooth wedging and bearing clearance nonlinearity. European Journal of Mechanics, A/Solids, 2010, 29, 1022-1033.	2.1	133
10	Analytical investigation of tooth profile modification effects on planetary gear dynamics. Mechanism and Machine Theory, 2013, 70, 298-319.	2.7	113
11	A Review of Planetary and Epicyclic Gear Dynamics and Vibrations Research. Applied Mechanics Reviews, 2014, 66, .	4.5	109
12	Effects of lubrication on gear performance: A review. Mechanism and Machine Theory, 2020, 145, 103701.	2.7	107
13	Structured Vibration Modes of General Compound Planetary Gear Systems. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 1-16.	1.0	106
14	Dynamic Modeling and Analysis of Tooth Profile Modification for Multimesh Gear Vibration. Journal of Mechanical Design, Transactions of the ASME, 2008, 130, .	1.7	100
15	Gear tooth mesh stiffness: A comparison of calculation Approaches. Mechanism and Machine Theory, 2016, 105, 540-553.	2.7	99
16	Planetary gear modal vibration experiments and correlation against lumped-parameter and finite element models. Journal of Sound and Vibration, 2013, 332, 2350-2375.	2.1	93
17	Vibration modes of planetary gears with unequally spaced planets and an elastic ring gear. Journal of Sound and Vibration, 2010, 329, 2265-2275.	2.1	91
18	Circulant Matrices and Their Application to Vibration Analysis. Applied Mechanics Reviews, 2014, 66, .	4.5	89

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19	Parametric Instability of Axially Moving Media Subjected to Multifrequency Tension and Speed Fluctuations. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2001, 68, 49-57.	1.1	87
20	Suppression of Planet Mode Response in Planetary Gear Dynamics Through Mesh Phasing. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2006, 128, 133-142.	1.0	87
21	Modal properties of three-dimensional helical planetary gears. <i>Journal of Sound and Vibration</i> , 2009, 325, 397-420.	2.1	87
22	Vibration of rings on a general elastic foundation. <i>Journal of Sound and Vibration</i> , 2006, 295, 194-213.	2.1	86
23	Purely rotational model and vibration modes of compound planetary gears. <i>Mechanism and Machine Theory</i> , 2010, 45, 365-377.	2.7	86
24	Vibro-acoustic propagation of gear dynamics in a gear-bearing-housing system. <i>Journal of Sound and Vibration</i> , 2014, 333, 5762-5785.	2.1	83
25	Modal Properties of Planetary Gears With an Elastic Continuum Ring Gear. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2008, 75, .	1.1	82
26	Analytical Solution for the Nonlinear Dynamics of Planetary Gears. <i>Journal of Computational and Nonlinear Dynamics</i> , 2011, 6, .	0.7	79
27	Three-dimensional nonlinear vibration of gear pairs. <i>Journal of Sound and Vibration</i> , 2012, 331, 3628-3648.	2.1	79
28	An investigation of tooth mesh nonlinearity and partial contact loss in gear pairs using a lumped-parameter model. <i>Mechanism and Machine Theory</i> , 2012, 56, 28-51.	2.7	67
29	Nonlinear dynamics of idler gear systems. <i>Nonlinear Dynamics</i> , 2008, 53, 345-367.	2.7	64
30	Impact of tooth friction and its bending effect on gear dynamics. <i>Journal of Sound and Vibration</i> , 2009, 320, 1039-1063.	2.1	64
31	Steady Mechanics of Belt-Pulley Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2005, 72, 25-34.	1.1	63
32	Analytical determination of mesh phase relations in general compound planetary gears. <i>Mechanism and Machine Theory</i> , 2011, 46, 1869-1887.	2.7	63
33	Nonlinear dynamics and stability of wind turbine planetary gear sets under gravity effects. <i>European Journal of Mechanics, A/Solids</i> , 2014, 47, 45-57.	2.1	61
34	A compact mechanical power take-off for wave energy converters: Design, analysis, and test verification. <i>Applied Energy</i> , 2020, 278, 115459.	5.1	61
35	NATURAL FREQUENCY VEERING IN PLANETARY GEARS*. <i>Mechanics Based Design of Structures and Machines</i> , 2001, 29, 411-429.	0.6	58
36	Approximate eigensolutions of axially moving beams with small flexural stiffness. <i>Journal of Sound and Vibration</i> , 2004, 276, 459-469.	2.1	58

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37	Non-linear dynamics of a one-way clutch in belt-pulley systems. Journal of Sound and Vibration, 2005, 279, 285-308.	2.1	56
38	Sensitivity of General Compound Planetary Gear Natural Frequencies and Vibration Modes to Model Parameters. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.0	54
39	Vibration Properties of High-Speed Planetary Gears With Gyroscopic Effects. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.0	53
40	Tuning of centrifugal pendulum vibration absorbers for translational and rotational vibration reduction. Mechanism and Machine Theory, 2013, 66, 56-65.	2.7	53
41	Dynamic Analysis of Planetary Gears With Bearing Clearance. Journal of Computational and Nonlinear Dynamics, 2012, 7, .	0.7	49
42	Vibration of high-speed rotating rings coupled to space-fixed stiffnesses. Journal of Sound and Vibration, 2014, 333, 2631-2648.	2.1	49
43	Equilibrium and Belt-Pulley Vibration Coupling in Serpentine Belt Drives. Journal of Applied Mechanics, Transactions ASME, 2003, 70, 739-750.	1.1	48
44	Coupled Belt-Pulley Vibration in Serpentine Drives With Belt Bending Stiffness. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 109-119.	1.1	47
45	Efficient eigensolution, dynamic response, and eigensensitivity of serpentine belt drives. Journal of Sound and Vibration, 2004, 270, 15-38.	2.1	42
46	Experimental measurement of the effects of torque on the dynamic behavior and system parameters of planetary gears. Mechanism and Machine Theory, 2014, 74, 370-389.	2.7	41
47	Optimum power analysis of a self-reactive wave energy point absorber with mechanically-driven power take-offs. Energy, 2020, 195, 116927.	4.5	41
48	Numerical analysis and wave tank validation on the optimal design of a two-body wave energy converter. Renewable Energy, 2020, 145, 632-641.	4.3	40
49	Parametric Instability of Planetary Gears Having Elastic Continuum Ring Gears. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.0	39
50	Modal properties and stability of centrifugal pendulum vibration absorber systems with equally spaced, identical absorbers. Journal of Sound and Vibration, 2012, 331, 4807-4824.	2.1	37
51	Dynamic tooth root strains and experimental correlations in spur gear pairs. Mechanism and Machine Theory, 2016, 101, 60-74.	2.7	37
52	Parametric instability of a circular ring subjected to moving springs. Journal of Sound and Vibration, 2006, 293, 360-379.	2.1	35
53	Characterization and verification of a two-body wave energy converter with a novel power take-off. Renewable Energy, 2021, 163, 910-920.	4.3	34
54	A Frequency Domain Finite Element Approach for Three-Dimensional Gear Dynamics. Journal of Vibration and Acoustics, Transactions of the ASME, 2011, 133, .	1.0	33

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55	Spatial Discretization of Axially Moving Media Vibration Problems. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2000, 122, 290-294.	1.0	32
56	Influence of simultaneous time-varying bearing and tooth mesh stiffness fluctuations on spur gear pair vibration. <i>Nonlinear Dynamics</i> , 2019, 97, 1403-1424.	2.7	32
57	Duffing Oscillator With Parametric Excitation: Analytical and Experimental Investigation on a Belt-Pulley System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2008, 3, .	0.7	31
58	Effect of Ring-Planet Mesh Phasing and Contact Ratio on the Parametric Instabilities of a Planetary Gear Ring. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008, 130, .	1.7	30
59	Modal structure of centrifugal pendulum vibration absorber systems with multiple cyclically symmetric groups of absorbers. <i>Journal of Sound and Vibration</i> , 2013, 332, 4339-4353.	2.1	30
60	Nonlinear Vibration of Gears With Tooth Surface Modifications. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.0	30
61	Microslip friction in flat belt drives. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2005, 219, 1097-1106.	1.1	29
62	Mechanical stability of high-speed planetary gears. <i>International Journal of Mechanical Sciences</i> , 2013, 69, 59-71.	3.6	29
63	Dynamic modeling and mesh phasing-based spectral analysis of quasi-static deformations of spinning planetary gears with a deformable ring. <i>Mechanical Systems and Signal Processing</i> , 2020, 136, 106497.	4.4	29
64	Weed Control in Glyphosate-Resistant Corn as Affected by Preemergence Herbicide and Timing of Postemergence Herbicide Application. <i>Weed Technology</i> , 2006, 20, 564-570.	0.4	28
65	Natural Frequency Clusters in Planetary Gear Vibration. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.0	28
66	Parametric Instability of a Rotating Circular Ring With Moving, Time-Varying Springs. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2006, 128, 231-243.	1.0	27
67	Performance analysis and tank test validation of a hybrid ocean wave-current energy converter with a single power takeoff. <i>Energy Conversion and Management</i> , 2020, 224, 113268.	4.4	27
68	Influence of manufacturing errors on the dynamic characteristics of planetary gear systems. <i>Journal of Mechanical Science and Technology</i> , 2004, 18, 606-621.	0.4	26
69	Mechanics and Sliding Friction in Belt Drives With Pulley Grooves. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2006, 128, 494-502.	1.7	25
70	Parametric Instability of an Axially Moving Belt Subjected to Multifrequency Excitations: Experiments and Analytical Validation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2008, 75, .	1.1	25
71	Influence of Tensioner Dry Friction on the Vibration of Belt Drives With Belt Bending Stiffness. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2008, 130, .	1.0	24
72	Optimization of an acoustic rectifier for uni-directional wave propagation in periodic mass-spring lattices. <i>Journal of Sound and Vibration</i> , 2013, 332, 4876-4894.	2.1	24

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73	Analytical determination of back-side contact gear mesh stiffness. <i>Mechanism and Machine Theory</i> , 2014, 78, 263-271.	2.7	23
74	Vibration reduction in a tilting rotor using centrifugal pendulum vibration absorbers. <i>Journal of Sound and Vibration</i> , 2016, 385, 55-68.	2.1	23
75	Nonlinear, parametrically excited dynamics of two-stage spur gear trains with mesh stiffness fluctuation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2012, 226, 1939-1957.	1.1	22
76	Experimental measurement and finite element simulation of elastic-body vibration in planetary gears. <i>Mechanism and Machine Theory</i> , 2021, 160, 104264.	2.7	22
77	Vibration of an axially moving beam wrapping on fixed pulleys. <i>Journal of Sound and Vibration</i> , 2005, 280, 1066-1074.	2.1	21
78	Perturbation analysis of a clearance-type nonlinear system. <i>Journal of Sound and Vibration</i> , 2006, 292, 969-979.	2.1	21
79	Tuning of the natural frequency spectrum of a circular plate by in-plate stress. <i>Journal of Sound and Vibration</i> , 1991, 145, 95-110.	2.1	20
80	Vibration Modes and Natural Frequency Veering in Three-Dimensional, Cyclically Symmetric Centrifugal Pendulum Vibration Absorber Systems. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2014, 136, .	1.0	20
81	An Efficient Hybrid Analytical-Computational Method for Nonlinear Vibration of Spur Gear Pairs. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019, 141, .	1.0	20
82	Limitations of an inextensible model for the vibration of high-speed rotating elastic rings with attached space-fixed discrete stiffnesses. <i>European Journal of Mechanics, A/Solids</i> , 2015, 54, 187-197.	2.1	19
83	The geometry and frequency content of planetary gear single-mode vibration. <i>Mechanical Systems and Signal Processing</i> , 2013, 40, 91-104.	4.4	18
84	Unusual gyroscopic system eigenvalue behavior in high-speed planetary gears. <i>Journal of Sound and Vibration</i> , 2013, 332, 1820-1828.	2.1	18
85	Parametric instability of spinning elastic rings excited by fluctuating space-fixed stiffnesses. <i>Journal of Sound and Vibration</i> , 2017, 400, 533-549.	2.1	17
86	Steady mechanics of layered, multi-band belt drives used in continuously variable transmissions (CVT). <i>Mechanism and Machine Theory</i> , 2008, 43, 171-185.	2.7	16
87	Influence of bearing stiffness on the static properties of a planetary gear system with manufacturing errors. <i>Journal of Mechanical Science and Technology</i> , 2004, 18, 1978-1988.	0.4	15
88	Flexural-torsional buckling of misaligned axially moving beams. I. Three-dimensional modeling, equilibria, and bifurcations. <i>International Journal of Solids and Structures</i> , 2006, 43, 4297-4322.	1.3	15
89	Eigenvalue sensitivity and veering in gyroscopic systems with application to high-speed planetary gears. <i>European Journal of Mechanics, A/Solids</i> , 2018, 67, 123-136.	2.1	15
90	Modal properties and parametrically excited vibrations of spinning epicyclic/planetary gears with a deformable ring. <i>Journal of Sound and Vibration</i> , 2021, 494, 115828.	2.1	15

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91	Comparison of Glyphosate Products in Glyphosate-Resistant Cotton ( <i>Gossypium hirsutum</i> ) and Corn ( <i>Zea mays</i> )1. <i>Weed Technology</i> , 2005, 19, 796-802.	0.4	14
92	Vibration suppression of a rotating cantilever beam under magnetic excitations by applying the magnetostrictive material. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 576-592.	1.4	14
93	Impact of planet mesh phasing on the vibration of three-dimensional planetary/epicyclic gears. <i>Mechanism and Machine Theory</i> , 2021, 164, 104422.	2.7	13
94	Experimental measurement and numerical computation of parametric instabilities in a planetary gearbox. <i>Journal of Sound and Vibration</i> , 2022, 536, 117160.	2.1	13
95	Mechanics of Serpentine Belt Drives with Tensioner Assemblies and Belt Bending Stiffness. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2005, 127, 957-966.	1.7	12
96	Vibration of Spinning Cantilever Beams With an Attached Rigid Body Undergoing Bending-Bending-Torsional-Axial Motions. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	1.1	12
97	Nonlinear dynamics of lumped-parameter planetary gears with general mesh phasing. <i>Journal of Sound and Vibration</i> , 2022, 523, 116682.	2.1	11
98	Piece-wise linear dynamic analysis of serpentine belt drives with a one-way clutch. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2008, 222, 1165-1176.	1.1	10
99	Design, dynamic modeling and wave basin verification of a Hybrid Waveâ€œCurrent Energy Converter. <i>Applied Energy</i> , 2022, 321, 119320.	5.1	10
100	A Study of Gear Root Strains in a Multi-Stage Planetary Wind Turbine Gear Train Using a Three Dimensional Finite Element/Contact Mechanics Model and Experiments. , 2011, , .		9
101	Flexural-torsional buckling of misaligned axially moving beams. <i>International Journal of Solids and Structures</i> , 2006, 43, 4323-4341.	1.3	8
102	Vibration mode structure and simplified modelling of cyclically symmetric or rotationally periodic systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20140672.	1.0	8
103	Relative cyclic component mode synthesis: A reduced order modeling approach for mistuned bladed disks with friction interfaces. <i>Mechanical Systems and Signal Processing</i> , 2022, 163, 108197.	4.4	8
104	Modal properties of cyclically symmetric systems with central components vibrating as three-dimensional rigid bodies. <i>Journal of Sound and Vibration</i> , 2018, 435, 350-371.	2.1	7
105	A Static and Dynamic Model for Three-Dimensional, Multi-Mesh Gear Systems. , 2005, , 945.		6
106	Space-fixed formulation for the vibration of rotating, prestressed, axisymmetric bodies and shells. <i>Journal of Sound and Vibration</i> , 2021, 495, 115907.	2.1	6
107	Vibration of general symmetric systems using group theory. <i>Journal of Sound and Vibration</i> , 2021, 503, 116087.	2.1	6
108	Dynamic characterization and performance evaluation of a 10-kW power take-off with mechanical motion rectifier for wave energy conversion. <i>Ocean Engineering</i> , 2022, 250, 110983.	1.9	6

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109	Serpentine Belt Span Vibrations caused by Dynamic Pulley and Crankshaft Oscillations. , 0, , .		5
110	Vibration of Planetary Gears With Elastically Deformable Ring Gears Parametrically Excited by Mesh Stiffness Fluctuations. , 2009, , .		5
111	Analysis and wave tank verification of the performance of point absorber WECs with different configurations. IET Renewable Power Generation, 2021, 15, 3309-3318.	1.7	5
112	A Study on Planetary Gear Dynamics With Tooth Profile Modification. , 2011, , .		4
113	Nonlinear Dynamics of Planetary Gears With Equal Planet Spacing. , 2007, , 603.		3
114	Asymmetric tensioning of circular saws. European Journal of Wood and Wood Products, 1989, 47, 143-151.	1.3	2
115	Nonlinear Dynamics of One-Way Clutches in Belt-Pulley Systems. , 2003, , 2379.		2
116	Structured Vibration Modes of General Compound Planetary Gear Systems. , 2007, , 511.		2
117	Design and Conduct of Precision Planetary Gear Vibration Experiments. , 2009, , .		2
118	A Frequency Domain Finite Element Approach for Three-Dimensional Gear Dynamics. , 2009, , .		2
119	Computational Nonlinear Vibration Analysis of Gear Pairs Using a Three-Dimensional Model. , 2009, , .		2
120	Importance Ranking of Parameters Affecting Reactor Dynamics Using the Taguchi Method. Nuclear Technology, 2010, 169, 18-33.	0.7	2
121	Critical Speeds, Divergence, and Flutter Instability in High-Speed Planetary Gears. , 2012, , .		2
122	Dynamics and Power Absorption of a Self-React Wave Energy Converter With Mechanical Power Takeoff System. , 2017, , .		2
123	Nonlinear Dynamics of Planetary Gears Using Analytical and Finite Element Models. , 2007, , 487.		1
124	Impact of Tooth Friction and Its Bending Effect on Gear Dynamics. , 2007, , 617.		1
125	Mesh Phasing Relations of General Compound Planetary Gears. , 2007, , 631.		1
126	Sensitivity of General Compound Planetary Gear Natural Frequencies and Vibration Modes to Model Parameters. , 2007, , 647.		1



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127	An efficient finite element solution for gear dynamics. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012150.	0.3	1
128	Planetary Gear Modal Properties and Dynamic Response: Experiments and Analytical Simulation. , 2011, , .		1
129	Back-Side Contact Gear Mesh Stiffness. , 2011, , .		1
130	Vibration of Spinning Cantilever Beams Undergoing Coupled Bending and Torsional Motion. , 2013, , .		1
131	Optimal Tuning of Centrifugal Pendulum Vibration Absorbers. , 2013, , .		1
132	Vibration of High-Speed Compliant Gear Pairs. , 2016, , .		1
133	Vibration of multi-stage systems with arbitrary symmetry of stages: A group theory approach. Journal of Sound and Vibration, 2022, 524, 116738.	2.1	1
134	Sensitivity of General Compound Planetary Gear Natural Frequencies and Vibration Modes to Model Parameters. , 2006, , 655.		0
135	Piece-Wise Linear Dynamic Analysis of Serpentine Belt Drives With a One-Way Clutch. , 2007, , 1013.		0
136	Transverse Vibration Instabilities in Multiribbed Belt Transmission Subjected to Multi-Frequency Excitations: Modelling and Experiments. , 2007, , 469.		0
137	Perturbation Analysis of a Clearance-Type Nonlinear System. , 2007, , 1541.		0
138	Influence of Tensioner Dry Friction on the Vibration of Belt Drives With Belt Bending Stiffness. , 2007, , 1161.		0
139	Parametric Instability of a Rotating Circular Ring With Moving, Time-Varying Springs. , 2007, , 809.		0
140	Vibration Resonances in a Planetary Gear Ring: Effects of Mesh Phasing and Contact Ratio. , 2007, , 505.		0
141	Experimental and Theoretical Investigation on the Nonlinear Mathieu Equation Applied to a Belt-Pulley System. , 2007, , .		0
142	Nonlinear Resonant Vibration of Counter-Shaft Gears With Fluctuating Mesh Stiffness. , 2009, , .		0
143	Dynamic Modeling and Analysis of a Planetary Gear Involving Tooth Wedging and Bearing Clearance Nonlinearity. , 2009, , .		0
144	Vibration Modes of Helical Planetary Gears. , 2009, , .		0

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145	Vibration Structure of Gyroscopic Planetary Gears. , 2011, , .		0
146	Effects of Bearing Radial Internal Clearance on Dynamic Behavior and Bifurcations in Planetary Gears. , 2011, , .		0
147	Nonlinear Vibration of Gear Pairs With Tooth Surface Modifications at Primary Resonance Using a Perturbation Method. , 2011, , .		0
148	Perturbation Analysis and Parametric Study of Planetary Gear Vibration. , 2012, , .		0
149	Grouping of Planetary Gear Modes With Significant Tooth Mesh Deflection. , 2012, , .		0
150	Vibration Mode Structure of Cyclically Symmetric Centrifugal Pendulum Vibration Absorber Systems. , 2012, , .		0
151	Planetary Gear Modal Vibration Properties Torque Sensitivity. , 2013, , .		0
152	Comparing LQG/LTR and the SDRE Techniques for Hybrid Fully-Connected PLL Network Control. , 2013, , .		0
153	Interesting Eigenvalue Behavior in High-Speed Planetary Gears With Gyroscopic Effects. , 2013, , .		0
154	Synthesis of Stable Optimal Controls From Lyapunov Based Constraints. , 2013, , .		0
155	Prediction and Experimental Correlation of Tooth Root Strains in Spur Gear Pairs. , 2015, , .		0
156	Techniques for the calculation of gear pair mesh stiffness. , 2016, , 161-166.		0
157	Gear Vibration: Walk, Run. . . and Now Fly!. International Journal of Acoustics and Vibrations, 2017, 22, .	0.3	0
158	Spatial Discretization of Serpentine Belt Drive Dynamics Using Constrained Basis Functions. , 2002, , .		0
159	Nonlinear Oscillations of a Particle in the Plane Under Longitudinal End Excitation. , 2003, , .		0
160	Flexural-Torsional Buckling of Misaligned Axially Moving Beams: Vibration and Stability Analysis. , 2007, , .		0
161	Structured Eigensolution Properties of Planetary Gears With Elastically Deformable Ring Gears. , 2009, , .		0
162	Global "Eclipse" Bifurcation in a Twinkling Oscillator. , 2013, , .		0

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163	Impact of rolling element bearing models on static behavior of planetary gears. , 2016, , 239-244.		0
164	Dynamics of a hybrid wave-current energy converter with a novel power take-off mechanism. , 2019, , .		0
165	PT symmetric dynamics in counter-rotating gyroscopic mechanical systems. AIP Advances, 2021, 11, 125224.	0.6	0