

Robert G Parker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8770375/publications.pdf>

Version: 2024-02-01

165
papers

6,037
citations

61857

43
h-index

82410

72
g-index

167
all docs

167
docs citations

167
times ranked

1682
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Vibration of multi-stage systems with arbitrary symmetry of stages: A group theory approach. <i>Journal of Sound and Vibration</i> , 2022, 524, 116738.	2.1	1
3	Nonlinear dynamics of lumped-parameter planetary gears with general mesh phasing. <i>Journal of Sound and Vibration</i> , 2022, 523, 116682.	2.1	11
4	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
5	Design, dynamic modeling and wave basin verification of a Hybrid Wave-Current Energy Converter. <i>Applied Energy</i> , 2022, 321, 119320.	5.1	10
6	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
7	Characterization and verification of a two-body wave energy converter with a novel power take-off. <i>Renewable Energy</i> , 2021, 163, 910-920.	4.3	34
8	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
9	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
10	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
11	Vibration of general symmetric systems using group theory. <i>Journal of Sound and Vibration</i> , 2021, 503, 116087.	2.1	6
12	Analysis and wave tank verification of the performance of point absorber WECs with different configurations. <i>IET Renewable Power Generation</i> , 2021, 15, 3309-3318.	1.7	5
13	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
14	PT symmetric dynamics in counter-rotating gyroscopic mechanical systems. <i>AIP Advances</i> , 2021, 11, 125224.	0.6	0
15	Numerical analysis and wave tank validation on the optimal design of a two-body wave energy converter. <i>Renewable Energy</i> , 2020, 145, 632-641.	4.3	40
16	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
17	Effects of lubrication on gear performance: A review. <i>Mechanism and Machine Theory</i> , 2020, 145, 103701.	2.7	107
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Optimum power analysis of a self-reactive wave energy point absorber with mechanically-driven power take-offs. <i>Energy</i> , 2020, 195, 116927.	4.5	41
21	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
22	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
23	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
24	Dynamics of a hybrid wave-current energy converter with a novel power take-off mechanism. , 2019, , .		0
25	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
26	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
27	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
28	Dynamics and Power Absorption of a Self-React Wave Energy Converter With Mechanical Power Takeoff System. , 2017, , .		2
29	Gear Vibration: Walk, Run. . . and Now Fly!. <i>International Journal of Acoustics and Vibrations</i> , 2017, 22, .	0.3	0
30	Techniques for the calculation of gear pair mesh stiffness. , 2016, , 161-166.		0
31	Vibration of High-Speed Compliant Gear Pairs. , 2016, , .		1
32	Dynamic tooth root strains and experimental correlations in spur gear pairs. <i>Mechanism and Machine Theory</i> , 2016, 101, 60-74.	2.7	37
33	Gear tooth mesh stiffness: A comparison of calculation Approaches. <i>Mechanism and Machine Theory</i> , 2016, 105, 540-553.	2.7	99
34	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
35	Impact of rolling element bearing models on static behavior of planetary gears. , 2016, , 239-244.		0
36	Prediction and Experimental Correlation of Tooth Root Strains in Spur Gear Pairs. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Circulant Matrices and Their Application to Vibration Analysis. <i>Applied Mechanics Reviews</i> , 2014, 66, .	4.5	89
41	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
42	A Review of Planetary and Epicyclic Gear Dynamics and Vibrations Research. <i>Applied Mechanics Reviews</i> , 2014, 66, .	4.5	109
43	Vibration of high-speed rotating rings coupled to space-fixed stiffnesses. <i>Journal of Sound and Vibration</i> , 2014, 333, 2631-2648.	2.1	49
44	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
45	Experimental measurement of the effects of torque on the dynamic behavior and system parameters of planetary gears. <i>Mechanism and Machine Theory</i> , 2014, 74, 370-389.	2.7	41
46	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
47	Analytical determination of back-side contact gear mesh stiffness. <i>Mechanism and Machine Theory</i> , 2014, 78, 263-271.	2.7	23
48	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
49	Analytical investigation of tooth profile modification effects on planetary gear dynamics. <i>Mechanism and Machine Theory</i> , 2013, 70, 298-319.	2.7	113
50	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
51	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
52	Tuning of centrifugal pendulum vibration absorbers for translational and rotational vibration reduction. <i>Mechanism and Machine Theory</i> , 2013, 66, 56-65.	2.7	53
53	Mechanical stability of high-speed planetary gears. <i>International Journal of Mechanical Sciences</i> , 2013, 69, 59-71.	3.6	29
54	Unusual gyroscopic system eigenvalue behavior in high-speed planetary gears. <i>Journal of Sound and Vibration</i> , 2013, 332, 1820-1828.	2.1	18

#	ARTICLE	IF	CITATIONS
55	Planetary gear modal vibration experiments and correlation against lumped-parameter and finite element models. <i>Journal of Sound and Vibration</i> , 2013, 332, 2350-2375.	2.1	93
56	Planetary Gear Modal Vibration Properties Torque Sensitivity. , 2013, , .		0
57	Comparing LQG/LTR and the SDRE Techniques for Hybrid Fully-Connected PLL Network Control. , 2013, , .		0
58	Vibration of Spinning Cantilever Beams Undergoing Coupled Bending and Torsional Motion. , 2013, , .		1
59	Nonlinear Vibration of Gears With Tooth Surface Modifications. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.0	30
60	Optimal Tuning of Centrifugal Pendulum Vibration Absorbers. , 2013, , .		1
61	Natural Frequency Clusters in Planetary Gear Vibration. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.0	28
62	Interesting Eigenvalue Behavior in High-Speed Planetary Gears With Gyroscopic Effects. , 2013, , .		0
63	Synthesis of Stable Optimal Controls From Lyapunov Based Constraints. , 2013, , .		0
64	Global "Eclipse" Bifurcation in a Twinkling Oscillator. , 2013, , .		0
65	Parametric Instability of Planetary Gears Having Elastic Continuum Ring Gears. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2012, 134, .	1.0	39
66	Vibration Properties of High-Speed Planetary Gears With Gyroscopic Effects. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2012, 134, .	1.0	53
67	Dynamic Analysis of Planetary Gears With Bearing Clearance. <i>Journal of Computational and Nonlinear Dynamics</i> , 2012, 7, .	0.7	49
68	Perturbation Analysis and Parametric Study of Planetary Gear Vibration. , 2012, , .		0
69	Grouping of Planetary Gear Modes With Significant Tooth Mesh Deflection. , 2012, , .		0
70	Critical Speeds, Divergence, and Flutter Instability in High-Speed Planetary Gears. , 2012, , .		2
71	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
72	Modal properties and stability of centrifugal pendulum vibration absorber systems with equally spaced, identical absorbers. <i>Journal of Sound and Vibration</i> , 2012, 331, 4807-4824.	2.1	37

#	ARTICLE	IF	CITATIONS
73	An investigation of tooth mesh nonlinearity and partial contact loss in gear pairs using a lumped-parameter model. Mechanism and Machine Theory, 2012, 56, 28-51.	2.7	67
74	Vibration Mode Structure of Cyclically Symmetric Centrifugal Pendulum Vibration Absorber Systems. , 2012, , .		0
75	Three-dimensional nonlinear vibration of gear pairs. Journal of Sound and Vibration, 2012, 331, 3628-3648.	2.1	79
76	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
77	Vibration Structure of Gyroscopic Planetary Gears. , 2011, , .		0
78	Planetary Gear Modal Properties and Dynamic Response: Experiments and Analytical Simulation. , 2011, , .		1
79	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
80	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
81	Effects of Bearing Radial Internal Clearance on Dynamic Behavior and Bifurcations in Planetary Gears. , 2011, , .		0
82	Nonlinear Vibration of Gear Pairs With Tooth Surface Modifications at Primary Resonance Using a Perturbation Method. , 2011, , .		0
83	Analytical determination of mesh phase relations in general compound planetary gears. Mechanism and Machine Theory, 2011, 46, 1869-1887.	2.7	63
84	Back-Side Contact Gear Mesh Stiffness. , 2011, , .		1
85	A Study on Planetary Gear Dynamics With Tooth Profile Modification. , 2011, , .		4
86	Analytical Solution for the Nonlinear Dynamics of Planetary Gears. Journal of Computational and Nonlinear Dynamics, 2011, 6, .	0.7	79
87	An efficient finite element solution for gear dynamics. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012150.	0.3	1
88	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
89	Importance Ranking of Parameters Affecting Reactor Dynamics Using the Taguchi Method. Nuclear Technology, 2010, 169, 18-33.	0.7	2
90	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

#	ARTICLE	IF	CITATIONS
91	Dynamic modeling and analysis of a spur planetary gear involving tooth wedging and bearing clearance nonlinearity. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 1022-1033.	2.1	133
92	Purely rotational model and vibration modes of compound planetary gears. <i>Mechanism and Machine Theory</i> , 2010, 45, 365-377.	2.7	86
93	Nonlinear Resonant Vibration of Counter-Shaft Gears With Fluctuating Mesh Stiffness. , 2009, , .		0
94	Design and Conduct of Precision Planetary Gear Vibration Experiments. , 2009, , .		2
95	A Frequency Domain Finite Element Approach for Three-Dimensional Gear Dynamics. , 2009, , .		2
96	Dynamic Modeling and Analysis of a Planetary Gear Involving Tooth Wedging and Bearing Clearance Nonlinearity. , 2009, , .		0
97	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
98	Modal properties of three-dimensional helical planetary gears. <i>Journal of Sound and Vibration</i> , 2009, 325, 397-420.	2.1	87
99	Computational Nonlinear Vibration Analysis of Gear Pairs Using a Three-Dimensional Model. , 2009, , .		2
100	Vibration Modes of Helical Planetary Gears. , 2009, , .		0
101	Vibration of Planetary Gears With Elastically Deformable Ring Gears Parametrically Excited by Mesh Stiffness Fluctuations. , 2009, , .		5
102	Structured Eigensolution Properties of Planetary Gears With Elastically Deformable Ring Gears. , 2009, , .		0
103	Nonlinear dynamics of idler gear systems. <i>Nonlinear Dynamics</i> , 2008, 53, 345-367.	2.7	64
104	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
105	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
106	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
107	Dynamic Modeling and Analysis of Tooth Profile Modification for Multimesh Gear Vibration. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008, 130, .	1.7	100
108	Modal Properties of Planetary Gears With an Elastic Continuum Ring Gear. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2008, 75, .	1.1	82

#	ARTICLE	IF	CITATIONS
109	Duffing Oscillator With Parametric Excitation: Analytical and Experimental Investigation on a Belt-Pulley System. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	0.7	31
110	Piece-wise linear dynamic analysis of serpentine belt drives with a one-way clutch. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 1165-1176.	1.1	10
111	Influence of Tensioner Dry Friction on the Vibration of Belt Drives With Belt Bending Stiffness. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.0	24
112	Nonlinear Dynamics of Planetary Gears With Equal Planet Spacing. , 2007, , 603.		3
113	Piece-Wise Linear Dynamic Analysis of Serpentine Belt Drives With a One-Way Clutch. , 2007, , 1013.		0
114	Transverse Vibration Instabilities in Multiribbed Belt Transmission Subjected to Multi-Frequency Excitations: Modelling and Experiments. , 2007, , 469.		0
115	Nonlinear Dynamics of Planetary Gears Using Analytical and Finite Element Models. , 2007, , 487.		1
116	Structured Vibration Modes of General Compound Planetary Gear Systems. , 2007, , 511.		2
117	Perturbation Analysis of a Clearance-Type Nonlinear System. , 2007, , 1541.		0
118	Influence of Tensioner Dry Friction on the Vibration of Belt Drives With Belt Bending Stiffness. , 2007, , 1161.		0
119	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
120	Parametric Instability of a Rotating Circular Ring With Moving, Time-Varying Springs. , 2007, , 809.		0
121	Vibration Resonances in a Planetary Gear Ring: Effects of Mesh Phasing and Contact Ratio. , 2007, , 505.		0
122	Impact of Tooth Friction and Its Bending Effect on Gear Dynamics. , 2007, , 617.		1
123	Mesh Phasing Relations of General Compound Planetary Gears. , 2007, , 631.		1
124	Sensitivity of General Compound Planetary Gear Natural Frequencies and Vibration Modes to Model Parameters. , 2007, , 647.		1
125	Experimental and Theoretical Investigation on the Nonlinear Mathieu Equation Applied to a Belt-Pulley System. , 2007, , .		0
126	Nonlinear dynamics of planetary gears using analytical and finite element models. Journal of Sound and Vibration, 2007, 302, 577-595.	2.1	312

#	ARTICLE	IF	CITATIONS
127	Flexural-Torsional Buckling of Misaligned Axially Moving Beams: Vibration and Stability Analysis. , 2007, , .		0
128	Weed Control in Glyphosate-Resistant Corn as Affected by Preemergence Herbicide and Timing of Postemergence Herbicide Application. Weed Technology, 2006, 20, 564-570.	0.4	28
129	Sensitivity of General Compound Planetary Gear Natural Frequencies and Vibration Modes to Model Parameters. , 2006, , 655.		0
130	Flexural-torsional buckling of misaligned axially moving beams. I. Three-dimensional modeling, equilibria, and bifurcations. International Journal of Solids and Structures, 2006, 43, 4297-4322.	1.3	15
131	Flexural-torsional buckling of misaligned axially moving beams. International Journal of Solids and Structures, 2006, 43, 4323-4341.	1.3	8
132	Perturbation analysis of a clearance-type nonlinear system. Journal of Sound and Vibration, 2006, 292, 969-979.	2.1	21
133	Parametric instability of a circular ring subjected to moving springs. Journal of Sound and Vibration, 2006, 293, 360-379.	2.1	35
134	Vibration of rings on a general elastic foundation. Journal of Sound and Vibration, 2006, 295, 194-213.	2.1	86
135	Suppression of Planet Mode Response in Planetary Gear Dynamics Through Mesh Phasing. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 133-142.	1.0	87
136	Parametric Instability of a Rotating Circular Ring With Moving, Time-Varying Springs. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 231-243.	1.0	27
137	Mechanics and Sliding Friction in Belt Drives With Pulley Grooves. Journal of Mechanical Design, Transactions of the ASME, 2006, 128, 494-502.	1.7	25
138	A Static and Dynamic Model for Three-Dimensional, Multi-Mesh Gear Systems. , 2005, , 945.		6
139	Non-linear dynamics of a one-way clutch in belt-pulley systems. Journal of Sound and Vibration, 2005, 279, 285-308.	2.1	56
140	Vibration of an axially moving beam wrapping on fixed pulleys. Journal of Sound and Vibration, 2005, 280, 1066-1074.	2.1	21
141	Microslip friction in flat belt drives. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2005, 219, 1097-1106.	1.1	29
142	Comparison of Glyphosate Products in Glyphosate-Resistant Cotton (<i>Gossypium hirsutum</i>) and Corn (<i>Zea mays</i>)1. Weed Technology, 2005, 19, 796-802.	0.4	14
143	Steady Mechanics of Belt-Pulley Systems. Journal of Applied Mechanics, Transactions ASME, 2005, 72, 25-34.	1.1	63
144	Mechanics of Serpentine Belt Drives with Tensioner Assemblies and Belt Bending Stiffness. Journal of Mechanical Design, Transactions of the ASME, 2005, 127, 957-966.	1.7	12

#	ARTICLE	IF	CITATIONS
145	Coupled Belt-Pulley Vibration in Serpentine Drives With Belt Bending Stiffness. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 109-119.	1.1	47
146	Influence of manufacturing errors on the dynamic characteristics of planetary gear systems. Journal of Mechanical Science and Technology, 2004, 18, 606-621.	0.4	26
147	Influence of bearing stiffness on the static properties of a planetary gear system with manufacturing errors. Journal of Mechanical Science and Technology, 2004, 18, 1978-1988.	0.4	15
148	Efficient eigensolution, dynamic response, and eigensensitivity of serpentine belt drives. Journal of Sound and Vibration, 2004, 270, 15-38.	2.1	42
149	Approximate eigensolutions of axially moving beams with small flexural stiffness. Journal of Sound and Vibration, 2004, 276, 459-469.	2.1	58
150	Equilibrium and Belt-Pulley Vibration Coupling in Serpentine Belt Drives. Journal of Applied Mechanics, Transactions ASME, 2003, 70, 739-750.	1.1	48
151	Nonlinear Dynamics of One-Way Clutches in Belt-Pulley Systems. , 2003, , 2379.		2
152	Nonlinear Oscillations of a Particle in the Plane Under Longitudinal End Excitation. , 2003, , .		0
153	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
154	PLANETARY GEAR PARAMETRIC INSTABILITY CAUSED BY MESH STIFFNESS VARIATION. Journal of Sound and Vibration, 2002, 249, 129-145.	2.1	198
155	Spatial Discretization of Serpentine Belt Drive Dynamics Using Constrained Basis Functions. , 2002, , .		0
156	Parametric Instability of Axially Moving Media Subjected to Multifrequency Tension and Speed Fluctuations. Journal of Applied Mechanics, Transactions ASME, 2001, 68, 49-57.	1.1	87
157	NATURAL FREQUENCY VEERING IN PLANETARY GEARS*. Mechanics Based Design of Structures and Machines, 2001, 29, 411-429.	0.6	58
158	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
159	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
160	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
161	Spatial Discretization of Axially Moving Media Vibration Problems. Journal of Vibration and Acoustics, Transactions of the ASME, 2000, 122, 290-294.	1.0	32
162	SENSITIVITY OF PLANETARY GEAR NATURAL FREQUENCIES AND VIBRATION MODES TO MODEL PARAMETERS. Journal of Sound and Vibration, 1999, 228, 109-128.	2.1	139

#	ARTICLE	IF	CITATIONS
163	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
164	Asymmetric tensioning of circular saws. <i>European Journal of Wood and Wood Products</i> , 1989, 47, 143-151.	1.3	2
165	Serpentine Belt Span Vibrations caused by Dynamic Pulley and Crankshaft Oscillations. , 0 , , .		5