

On the continuous contact force models for soft materials

Multibody System Dynamics

25, 357-375

DOI: [10.1007/s11044-010-9237-4](https://doi.org/10.1007/s11044-010-9237-4)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Implications of the inline seating layout on the protection of occupants of railway coach interiors. International Journal of Crashworthiness, 2011, 16, 557-568.	1.1	15
2	Frictional contact analysis of spatial prismatic joints in multibody systems. Multibody System Dynamics, 2011, 26, 441-468.	1.7	21
3	Compliant contact force approach for forward dynamic modeling and analysis of biomechanical systems. Procedia IUTAM, 2011, 2, 58-67.	1.2	6
4	Development of generic road vehicle multibody models for crash analysis using an optimisation approach. International Journal of Crashworthiness, 2011, 16, 537-556.	1.1	5
5	Influence of the contact model on the dynamic response of the human knee joint. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2011, 225, 344-358.	0.5	15
6	Precomputed acceleration noise for improved rigid-body sound. ACM Transactions on Graphics, 2012, 31, 1-9.	4.9	21
7	An Overview on Continuous Contact Force Models for Multibody Dynamics. , 2012, , .		0
8	Development of a biomechanical spine model for dynamic analysis. , 2012, , .		4
9	Dynamic analysis of impact in swing-through crutch gait using impulsive and continuous contact models. Multibody System Dynamics, 2012, 28, 257-282.	1.7	16
10	Influence of pantograph suspension characteristics on the contact quality with the catenary for high speed trains. Computers and Structures, 2012, 110-111, 32-42.	2.4	74
11	Computational Investigation of the Sensitivity of Spoiler Attachment on Wind Turbine Blades. , 2012, , .		0
12	Development of an asymptotic modeling methodology for tibio-femoral contact in multibody dynamic simulations of the human knee joint. Multibody System Dynamics, 2012, 28, 3-20.	1.7	21
13	Application of the nonsmooth dynamics approach to model and analysis of the contact-impact events in cam-follower systems. Nonlinear Dynamics, 2012, 69, 2117-2133.	2.7	66
14	A damping term based on material properties for the volume-based contact dynamics model. International Journal of Non-Linear Mechanics, 2012, 47, 103-112.	1.4	13
15	Stabilizing slider-crank mechanism with clearance joints. Mechanism and Machine Theory, 2012, 53, 17-29.	2.7	83
16	Compliant contact force models in multibody dynamics: Evolution of the Hertz contact theory. Mechanism and Machine Theory, 2012, 53, 99-121.	2.7	475
17	Modelling and simulation of rigid bodies transportation by means of rotating flexible rollers. Meccanica, 2012, 47, 455-468.	1.2	4
18	Study of the effect of contact force model on the dynamic response of mechanical systems with dry clearance joints: computational and experimental approaches. Nonlinear Dynamics, 2013, 73, 325-338.	2.7	169

#	ARTICLE	IF	CITATIONS
19	Environmental and track perturbations on multiple pantograph interaction with catenaries in high-speed trains. <i>Computers and Structures</i> , 2013, 124, 88-101.	2.4	60
20	Solution methods for the double-support indeterminacy in human gait. <i>Multibody System Dynamics</i> , 2013, 30, 247-263.	1.7	26
21	Determination of the normal spring stiffness coefficient in the linear spring-dashpot contact model of discrete element method. <i>Powder Technology</i> , 2013, 246, 707-722.	2.1	55
22	Trajectory optimization of a walking mechanism having revolute joints with clearance using ANFIS approach. <i>Nonlinear Dynamics</i> , 2013, 71, 75-91.	2.7	54
23	Static modes switching in gear contact simulation. <i>Mechanism and Machine Theory</i> , 2013, 63, 89-106.	2.7	20
26	A hybrid contact force model of revolute joint with clearance for planar mechanical systems. <i>International Journal of Non-Linear Mechanics</i> , 2013, 48, 15-36.	1.4	107
27	Volumetric Modeling and Experimental Validation of Normal Contact Dynamic Forces. <i>Journal of Computational and Nonlinear Dynamics</i> , 2013, 8, .	0.7	11
28	An enhanced multi-point dynamics methodology for collision and contact problem. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 1203-1223.	1.1	7
29	On the mechanics of natural compliance in frictional contacts and its effect on grasp stiffness and stability. <i>International Journal of Robotics Research</i> , 2013, 32, 425-445.	5.8	6
30	A virtual prototype of a constrained extensible crank mechanism: Dynamic simulation and design. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2013, 227, 201-210.	0.5	4
31	Optimization of high-speed railway pantographs for improving pantograph-catenary contact. <i>Theoretical and Applied Mechanics Letters</i> , 2013, 3, 013006.	1.3	59
32	Modeling joints with clearance and friction in multibody dynamic simulation of automotive differentials. <i>Theoretical and Applied Mechanics Letters</i> , 2013, 3, 013003.	1.3	9
33	Adding Non-Smooth Analysis Capabilities to General-Purpose Multibody Dynamics by Co-Simulation. , 2013, , .		5
34	Numerical study of parametric effects on joint wear in the flexible multibody systems with different flexibilities and clearance sizes. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 819-835.	1.0	17
35	Modeling and prediction of wear at revolute clearance joints in flexible multibody systems. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 317-329.	1.1	29
36	A Contact Force Model With Nonlinear Compliance and Residual Indentation ¹ . <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	1.1	2
37	Some Consideration Regarding the Models for Collisions with Plastic Indentation. <i>Applied Mechanics and Materials</i> , 0, 658, 161-166.	0.2	1
38	Dynamic Modeling and Simulation of a Rotating Single Link Flexible Robotic Manipulator Subject to Quick Stops. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2014, 60, 475-482.	0.6	12

#	ARTICLE	IF	CITATIONS
39	Vibrations due to Impact in a Non Ideal Mechanical System With a Non-Linear Hertzian Contact Model. , 2014, , .		1
40	Impact analysis of space manipulator collision with soft environment. , 2014, , .		4
41	A Flexible Multibody Model of a Safety Robot Arm for Experimental Validation and Analysis of Design Parameters. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	0.7	11
42	A general method for impact dynamic analysis of a planar multi-body system with a rolling ball bearing joint. Nonlinear Dynamics, 2014, 78, 857-879.	2.7	19
43	Modeling planar slider-crank mechanisms with clearance joints in RecurDyn. Multibody System Dynamics, 2014, 31, 127-145.	1.7	77
44	Nonlinear vibration and dynamics of ceramic on ceramic artificial hip joints: a spatial multibody modelling. Nonlinear Dynamics, 2014, 76, 1365-1377.	2.7	53
45	Parameter identification method for a three-dimensional footâ€“ground contact model. Mechanism and Machine Theory, 2014, 75, 107-116.	2.7	28
46	Modeling and simulation of joint clearance effects on mechanisms having rigid and flexible links. Journal of Mechanical Science and Technology, 2014, 28, 2979-2986.	0.7	56
47	Investigation of joint clearance effects on the dynamic performance of a planar 2-DOF pick-and-place parallel manipulator. Robotics and Computer-Integrated Manufacturing, 2014, 30, 62-73.	6.1	60
48	Study of the friction-induced vibration and contact mechanics of artificial hip joints. Tribology International, 2014, 70, 1-10.	3.0	60
49	Helicopter Rotor Sailing by Non-Smooth Dynamics Co-Simulation. Archive of Mechanical Engineering, 2014, 61, 253-268.	0.7	7
50	Effects of Mechanical Flexibility and Clearance Size on the Wear at Revolute Joint in the Flexible Multibody Systems. , 2014, , .		0
51	Contact forces generated by hailstone impact. International Journal of Impact Engineering, 2015, 84, 145-158.	2.4	43
52	Method of Integration for Equation of Two Balls in Dumped Collision. Journal of Physics: Conference Series, 2015, 585, 012008.	0.3	2
53	Forced vibrations of a turbine blade undergoing regularized unilateral contact conditions through the wavelet balance method. International Journal for Numerical Methods in Engineering, 2015, 101, 351-374.	1.5	5
54	Analysis of Postimpact Plastic Indentation Profiles. Applied Mechanics and Materials, 2015, 809-810, 223-228.	0.2	1
55	Numerical Modeling and Experimental Verification for High-Speed and Heavy-Load Planar Mechanism with Multiple Clearances. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	7
56	Modeling and simulation of joint clearance effects on space manipulator. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
57	Influence of the Hip Joint Modeling Approaches on the Kinematics of Human Gait. , 2015, , .		0
58	Optimal dynamic design of a planar slider-crank mechanism with a joint clearance. Mechanism and Machine Theory, 2015, 86, 191-200.	2.7	80
59	A comprehensive model for 3D revolute joints with clearances in mechanical systems. Nonlinear Dynamics, 2015, 80, 309-328.	2.7	63
60	Reduced order structural models for the calculation of wet contact forces due to impacts in hydraulic valves. Meccanica, 2015, 50, 1387-1401.	1.2	1
61	Combining vibrational linear-by-part dynamics and kinetic-based decoupling of the dynamics for multiple elastoplastic smooth impacts. Multibody System Dynamics, 2015, 35, 233-256.	1.7	3
62	Numerical Study of the Effects on Clearance Joint Wear in Flexible Multibody Mechanical Systems. Tribology Transactions, 2015, 58, 385-396.	1.1	23
63	Dynamics of disc storing mechanism with joint clearance driven by hydraulic cylinder. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 3484-3498.	1.1	1
64	Dynamic modeling and analysis of wear in spatial hard-on-hard couple hip replacements using multibody systems methodologies. Nonlinear Dynamics, 2015, 82, 1039-1058.	2.7	52
65	A dissipative contact force model for impact analysis in multibody dynamics. Multibody System Dynamics, 2015, 35, 131-151.	1.7	75
66	Dynamic analysis of mechanical systems with planar revolute joints with clearance. Mechanism and Machine Theory, 2015, 94, 148-164.	2.7	68
67	Parameter estimation of the Lankarani-Nikravesh contact force model using a new modified linear method. , 2015, , .		4
68	A comparative study of the viscoelastic constitutive models for frictionless contact interfaces in solids. Mechanism and Machine Theory, 2015, 85, 172-188.	2.7	179
69	Dynamic synthesis of a planar slider-crank mechanism with clearances. Nonlinear Dynamics, 2015, 79, 1587-1600.	2.7	41
70	Dynamic analysis for planar beam with clearance joint. Journal of Sound and Vibration, 2015, 339, 324-341.	2.1	20
71	Contact analysis of deep groove ball bearings in multibody systems. Multibody System Dynamics, 2015, 33, 115-141.	1.7	23
72	Modeling of a deep-groove ball bearing with waviness defects in planar multibody system. Multibody System Dynamics, 2015, 33, 229-258.	1.7	36
73	Articular Contact Mechanics from an Asymptotic Modeling Perspective: A Review. Frontiers in Bioengineering and Biotechnology, 2016, 4, 83.	2.0	4
74	Modelling One-Dimensional Fractional Impact Using Basic Fractional Viscoelastic Models. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
75	A model for static contact of revolute cylinder based on geometric constraint and elastic half-space theory. , 2016, , .		0
76	A method for contact analysis of revolute joints with noncircular clearance in a planar multibody system. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2016, 230, 589-605.	0.5	3
77	Demonstrative Application Examples. Solid Mechanics and Its Applications, 2016, , 135-168.	0.1	1
78	Employing DEM to study the impact of different parameters on the screening efficiency and mesh wear. Powder Technology, 2016, 297, 126-143.	2.1	56
79	Damping coefficient and contact duration relations for continuous nonlinear spring-dashpot contact model in DEM. Powder Technology, 2016, 302, 462-479.	2.1	27
80	A novel micromechanical model of nonlinear compression hysteresis in compliant interfaces of multibody systems. Multibody System Dynamics, 2016, 37, 325-343.	1.7	7
81	Unilateral contact condition enhanced with squeeze film modelling in automotive differentials. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 1243-1257.	1.1	0
82	Dynamic characteristics of planar linear array deployable structure based on scissor-like element with joint clearance using a new mixed contact force model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3161-3174.	1.1	19
83	Modeling and simulation of a frictional translational joint with a flexible slider and clearance. Multibody System Dynamics, 2016, 38, 367-389.	1.7	38
84	Vector form intrinsic finite element method for planar multibody systems with multiple clearance joints. Nonlinear Dynamics, 2016, 86, 421-440.	2.7	21
85	Analysis of the joint clearance effects on a compliant spatial mechanism. Mechanism and Machine Theory, 2016, 104, 255-273.	2.7	58
86	Modeling and control of crank-slider mechanism with multiple clearance joints. Multibody System Dynamics, 2016, 36, 143-167.	1.7	68
87	Dissipative Contact Force Models. Solid Mechanics and Its Applications, 2016, , 27-52.	0.1	5
88	Kinematic accuracy analysis of planar mechanisms with clearance involving random and epistemic uncertainty. European Journal of Mechanics, A/Solids, 2016, 58, 256-261.	2.1	41
89	Influence of the Hip Joint Modeling Approaches on the Kinematics of Human Gait. Journal of Tribology, 2016, 138, .	1.0	16
90	Historical Origin and Recent Development on Normal Directional Impact Models for Rigid Body Contact Simulation: A Critical Review. Archives of Computational Methods in Engineering, 2017, 24, 397-422.	6.0	62
91	Impact dynamic analysis of C/C composite finger seal. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 1225-1237.	0.7	4
92	Computer Simulation of Contact Forces Generated by Impact. International Journal of Structural Stability and Dynamics, 2017, 17, 1750005.	1.5	13

#	ARTICLE	IF	CITATIONS
93	Dynamic Analysis of 4-SPS/CU Parallel Mechanism Considering Three-Dimensional Wear of Spherical Joint With Clearance. <i>Journal of Tribology</i> , 2017, 139, .	1.0	17
94	Minimizing the influence of revolute joint clearance using the planar redundantly actuated mechanism. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017, 46, 104-113.	6.1	31
95	A continuous analysis method of planar rigid-body mechanical systems with two revolute clearance joints. <i>Multibody System Dynamics</i> , 2017, 40, 347-373.	1.7	45
96	Dynamic Analysis and Wear Prediction of Planar Five-Bar Mechanism Considering Multiflexible Links and Multiclearance Joints. <i>Journal of Tribology</i> , 2017, 139, .	1.0	14
97	A continuous contact force model of planar revolute joint based on fitting method. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769047.	0.8	1
98	Optimum design of a novel pounding tuned mass damper under harmonic excitation. <i>Smart Materials and Structures</i> , 2017, 26, 055024.	1.8	49
99	Augmented reality for enhancing tele-robotic system with force feedback. <i>Robotics and Autonomous Systems</i> , 2017, 96, 93-101.	3.0	17
100	Modeling and simulation of dynamics of a planar-motion rigid body with friction and surface contact. <i>International Journal of Modern Physics B</i> , 2017, 31, 1744021.	1.0	4
101	A method for modelling contact between circular and non-circular shapes with variable radii of curvature and its application in planar mechanical systems. <i>Multibody System Dynamics</i> , 2017, 39, 153-174.	1.7	20
102	Advanced Impact Force Model for Low-Speed Pounding between Viscoelastic Materials and Steel. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	1.6	25
103	Modeling and simulation of planar multibody systems considering multiple revolute clearance joints. <i>Nonlinear Dynamics</i> , 2017, 90, 1907-1940.	2.7	57
104	Model-based strategy for grasping $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="sj1.gif" display="inline" id="mml1" overflow="scroll" \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ deformable objects using a multi-fingered robotic hand. <i>Robotics and Autonomous Systems</i> , 2017, 95, 196-206.	3.0	41
105	Dynamic analysis of a 3-PRR parallel mechanism by considering joint clearances. <i>Nonlinear Dynamics</i> , 2017, 90, 405-423.	2.7	26
106	Air rudder mechanism dynamics considering two elements: Joint clearance and link flexibility. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 3189-3197.	0.7	6
107	Vibration analysis of shearer cutting system using mechanical hydraulic collaboration simulation. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2017, 231, 708-725.	0.5	9
108	A differential approach for modeling revolute clearance joints in planar rigid multibody systems. <i>Multibody System Dynamics</i> , 2017, 39, 311-335.	1.7	35
109	Coefficient of restitution in fractional viscoelastic compliant impacts using fractional Chebyshev collocation. <i>Journal of Sound and Vibration</i> , 2017, 388, 230-244.	2.1	50
110	The engaging process model of sleeve and teeth ring with a precise, continuous and nonlinear damping impact model in mechanical transmissions. , 0, , .		5

#	ARTICLE	IF	CITATIONS
111	PTMD Control on a Benchmark TV Tower under Earthquake and Wind Load Excitations. Applied Sciences (Switzerland), 2017, 7, 425.	1.3	20
112	Nonlinear Dynamics Response of a Planar Mechanism with Two Driving Links and Prismatic Pair Clearance. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	5
113	Clearance-induced vibration responses of mechanical systems: computational and experimental investigations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	36
114	A comprehensive survey of the analytical, numerical and experimental methodologies for dynamics of multibody mechanical systems with clearance or imperfect joints. Mechanism and Machine Theory, 2018, 122, 1-57.	2.7	277
115	A 3D ellipsoidal volumetric footâ€“ground contact model for forward dynamics. Multibody System Dynamics, 2018, 42, 447-467.	1.7	26
116	Three-Dimensional Wear Prediction of Four-Degrees-of-Freedom Parallel Mechanism With Clearance Spherical Joint and Flexible Moving Platform. Journal of Tribology, 2018, 140, .	1.0	11
117	Dynamic characteristics of planar linear array deployable structure based on scissor-like element with differently located revolute clearance joints. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 1759-1777.	1.1	14
118	A regularized approach for frictional impact dynamics of flexible multi-link manipulator arms considering the dynamic stiffening effect. Multibody System Dynamics, 2018, 43, 229-255.	1.7	11
119	Dynamics Model of 4-SPS/CU Parallel Mechanism With Spherical Clearance Joint and Flexible Moving Platform. Journal of Tribology, 2018, 140, .	1.0	8
120	Dynamic performance of over-constrained planar mechanisms with multiple revolute clearance joints. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3524-3537.	1.1	8
121	Study on the fiber fouling in drying exhaust heat utilization of wood industry. E3S Web of Conferences, 2018, 38, 01003.	0.2	1
122	Identification of exponent from load-deformation relation for soft materials from impact tests. IOP Conference Series: Materials Science and Engineering, 2018, 294, 012041.	0.3	0
123	A closed-form formulation for the conformal articulation of metal-on-polyethylene hip prostheses: Contact mechanics and sliding distance. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 1196-1208.	1.0	15
124	Contact Response Analysis of Vertical Impact between Elastic Sphere and Elastic Half Space. Shock and Vibration, 2018, 2018, 1-15.	0.3	8
125	Modeling and analysis of impact based on numerical and experimental approaches. Advances in Mechanical Engineering, 2018, 10, 168781401881306.	0.8	2
126	Analysis and Modeling of 6DOF Docking without Compliance Using Nonlinear Contact Dynamics. , 2018, , .		0
127	Modeling and Characterization of a Potential Bladder Based Orthotic Device to Mitigate Shoe Slip. , 2018, , .		1
128	Modeling and dynamic analysis of the non-circular gear system of a bucket wheel stacker/reclaimer. AIP Advances, 2018, 8, 065318.	0.6	8

#	ARTICLE	IF	CITATIONS
129	A Comparative Study of the Dissipative Contact Force Models for Collision Under External Spring Forces. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	0.7	7
130	Dynamics Behavior Analysis of Parallel Mechanism with Joint Clearance and Flexible Links. <i>Shock and Vibration</i> , 2018, 2018, 1-17.	0.3	4
131	Skeletal-level control-based forward dynamic analysis of acquired healthy and assisted gait motion. <i>Multibody System Dynamics</i> , 2018, 44, 1-29.	1.7	13
132	A review of continuous contact-force models in multibody dynamics. <i>International Journal of Mechanical Sciences</i> , 2018, 145, 171-187.	3.6	141
133	Calibrating multibody ulno-humeral joint cartilage using a validated finite element model. <i>Multibody System Dynamics</i> , 2018, 44, 81-91.	1.7	6
134	A note on Hunt and Crossley model with generalized visco-elastic damping. <i>International Journal of Impact Engineering</i> , 2018, 121, 151-156.	2.4	19
135	A contact force model considering constant external forces for impact analysis in multibody dynamics. <i>Multibody System Dynamics</i> , 2018, 44, 397-419.	1.7	28
136	Contact Force Minimization for Space Flexible Manipulators Based on Effective Mass. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 1870-1877.	1.6	11
137	Non-probabilistic kinematic reliability analysis of planar mechanisms with non-uniform revolute clearance joints. <i>Mechanism and Machine Theory</i> , 2019, 140, 413-433.	2.7	32
138	The journal of Mechanism and Machine Theory: Celebrating 55 years since its foundation. <i>Mechanism and Machine Theory</i> , 2019, 142, 103599.	2.7	11
139	Comparative behavior of damping terms of viscoelastic contact force models with consideration on relaxation time. <i>Powder Technology</i> , 2019, 356, 735-749.	2.1	9
140	Influence Analysis of the Elastic Supporting to the Dynamic Response When the Spherical Rock Elastic Impacting the Metal Plate and to the Coal Gangue Impact Differences. <i>IEEE Access</i> , 2019, 7, 143347-143366.	2.6	3
141	A Contact Force Model Considering Meshing and Collision States for Dynamic Analysis in Helical Gear System. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2019, 32, .	1.9	10
142	Insight Into the Drift Motion of a Bouncing Asymmetric Dimer. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	0.7	1
143	Exact restitution and generalizations for the Hunt&Crossley contact model. <i>Mechanism and Machine Theory</i> , 2019, 139, 174-194.	2.7	38
144	Effect of friction on the dynamic analysis of slider-crank mechanism with clearance joint. <i>International Journal of Non-Linear Mechanics</i> , 2019, 115, 20-40.	1.4	34
145	Analysis and Experimental Study of Acceleration Model for Short Interval and Multiple Impact Equipment. <i>Shock and Vibration</i> , 2019, 2019, 1-15.	0.3	3
146	Simulating the anchor lifting maneuver of ships using contact detection techniques and continuous contact force models. <i>Multibody System Dynamics</i> , 2019, 46, 147-179.	1.7	8

#	ARTICLE	IF	CITATIONS
147	Model smoothing method of contact-impact dynamics in flexible multibody systems. Mechanism and Machine Theory, 2019, 138, 124-148.	2.7	16
148	Investigation of an improved planar revolute clearance joint contact model with rough surface. Tribology International, 2019, 134, 385-393.	3.0	23
149	DEM verification of the damping effect in a freely falling particle motion for quasi- and non-quasi-static conditions. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	3
150	Impact Dynamic Modeling of Space Flexible Manipulators Based on Continuous Approach. , 2019, , .		2
151	Dynamic Response Analysis of the Coal Gangue-like Elastic Rock Sphere Impact on the Massless Tail Beam Based on Contact-Structure Theory and FEM. Shock and Vibration, 2019, 2019, 1-24.	0.3	3
152	Dynamic response analysis of the vertical elastic impact of the spherical rock on the metal plate. International Journal of Solids and Structures, 2019, 158, 287-302.	1.3	24
153	Dynamic analysis of a planar multibody system with multiple revolute clearance joints. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3429-3443.	1.1	12
154	An approach for modelling a clearance revolute joint with a constantly updating wear profile in a multibody system: simulation and experiment. Multibody System Dynamics, 2019, 45, 457-478.	1.7	29
155	A dynamic model of polyethylene damage in dry total hip arthroplasties: wear and creep. Multibody System Dynamics, 2019, 45, 403-429.	1.7	10
156	Dynamic modeling and comparative analysis of a 3-PRR parallel robot with multiple lubricated joints. International Journal of Mechanics and Materials in Design, 2020, 16, 541-555.	1.7	12
157	A nonsmooth contact dynamic algorithm based on the symplectic method for multibody system analysis with unilateral constraints. Multibody System Dynamics, 2020, 49, 119-153.	1.7	15
158	A recursive algorithm for dynamics of multiple frictionless impact-contacts in open-loop robotic mechanisms. Mechanism and Machine Theory, 2020, 146, 103745.	2.7	28
159	Impact-sliding wear behaviors of 304SS influenced by different impact kinetic energy and sliding velocity. Tribology International, 2020, 143, 106057.	3.0	13
160	A novel nonsmooth dynamics method for multibody systems with friction and impact based on the symplectic discrete format. International Journal for Numerical Methods in Engineering, 2020, 121, 1530-1557.	1.5	14
161	Dynamic behavior analysis of a reciprocating mechanism with clearance considering parameter uncertainty. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1182-1195.	1.1	2
162	A novel nonsmooth approach for flexible multibody systems with contact and friction in 3D space. Nonlinear Dynamics, 2020, 102, 1375-1408.	2.7	15
163	Further investigation on improved viscoelastic contact force model extended based on hertz's law in multibody system. Mechanism and Machine Theory, 2020, 153, 103986.	2.7	45
164	Study on the dynamic interaction of multiple clearance joints for flap actuation system with a modified contact force model. Journal of Mechanical Science and Technology, 2020, 34, 2701-2713.	0.7	6

#	ARTICLE	IF	CITATIONS
165	Optimization of a Soft Robotic Bladder Array for Dissipating High Impact Loads: an Initial Study in Designing a Smart Helmet. , 2020, , .		5
166	Validating N-body code chrono for granular DEM simulations in reduced-gravity environments. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1062-1079.	1.6	13
167	The normal parameterization and its application to collision detection. Mechanism and Machine Theory, 2020, 151, 103906.	2.7	5
168	Optimal damping coefficient for a class of continuous contact models. Multibody System Dynamics, 2020, 50, 169-188.	1.7	12
169	A continuous contact force model for impact analysis in multibody dynamics. Mechanism and Machine Theory, 2020, 153, 103946.	2.7	57
170	A physics-based and data-driven hybrid modeling method for accurately simulating complex contact phenomenon. Multibody System Dynamics, 2020, 50, 97-117.	1.7	12
171	A new model of the contact force for the collision between two solid bodies. Multibody System Dynamics, 2020, 50, 233-257.	1.7	29
172	Numerical investigation of the seismic response of a polar crane based on linear complementarity formulation. Engineering Structures, 2020, 211, 110462.	2.6	3
173	Nonlinear constitutive force model selection, update and uncertainty quantification for periodically sequential impact applications. Nonlinear Dynamics, 2020, 99, 2623-2646.	2.7	8
174	A general methodology to establish the contact force model for complex contacting surfaces. Mechanical Systems and Signal Processing, 2020, 140, 106678.	4.4	69
175	Dynamic analysis of space robot manipulator considering clearance joint and parameter uncertainty: Modeling, analysis and quantification. Acta Astronautica, 2020, 169, 158-169.	1.7	43
176	An improved compliant contact force model using a piecewise function for impact analysis in multibody dynamics. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2020, 234, 424-432.	0.5	6
177	An approach for dynamic analysis of planar multibody systems with revolute clearance joints. Engineering With Computers, 2021, 37, 2159-2172.	3.5	14
178	Pilot in the Loop Simulation of Helicopter-Ship Operations Using Virtual Reality. Aerotecnica Missili & Spazio, 2020, 99, 53-62.	0.5	4
179	Reducing undesirable effects of clearances on dynamic and wear of planar multi-link mechanism. Nonlinear Dynamics, 2020, 100, 1173-1201.	2.7	11
180	Dynamics analysis of 6-SPS parallel mechanism with S pairs clearance. Australian Journal of Mechanical Engineering, 2021, 19, 153-162.	1.5	1
181	Scenarios in the experimental response of a vibro-impact single-degree-of-freedom system and numerical simulations. Nonlinear Dynamics, 2021, 103, 3465-3488.	2.7	21
182	Procedure for non-smooth contact for planar flexible beams with cone complementarity problem. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2021, 235, 179-196.	0.5	2

#	ARTICLE	IF	CITATIONS
183	Mathematical models for characterizing non-Hertzian contacts. Applied Mathematical Modelling, 2021, 90, 432-447.	2.2	16
184	Model of positioning objects by the system of oblique friction force fields on horizontal and vertically offset planes. Mechanism and Machine Theory, 2021, 156, 104155.	2.7	10
185	Modeling of impact of the poppet element on its seat body in pressure relief valves. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 703-720.	0.7	1
186	Simulation Research on the Influence of the Clearance to the Impact Contact Characteristics between Coal Gangue and the Clearance-Contained Tail Beam Structure. Advances in Materials Science and Engineering, 2021, 2021, 1-14.	1.0	2
187	Response of a Vibratory System Under Impact Using Contact Force Models. Lecture Notes in Mechanical Engineering, 2021, , 375-384.	0.3	0
188	Dynamics of luffing motion of a hydraulically driven shell manipulator with revolute clearance joints. Defence Technology, 2021, , .	2.1	5
189	Analysis on the Difference of Impact Response between Single Coal-Rock Particle and the Box Structure-Based Tail Beam. Shock and Vibration, 2021, 2021, 1-15.	0.3	3
190	Frictional Impact-Contacts in Multiple Flexible Links. International Journal of Structural Stability and Dynamics, 2021, 21, 2150075.	1.5	29
191	Contact dynamics analysis of the single-pin meshing pair of a tracked vehicle. Nonlinear Dynamics, 2021, 104, 1139-1155.	2.7	3
192	Nonlinear phenomena of contact in multibody systems dynamics: a review. Nonlinear Dynamics, 2021, 104, 1269-1295.	2.7	57
193	A Hybrid Contact Model With Experimental Validation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	3
194	Experimental investigations of the dynamic responses of a multi-link mechanism with revolute clearance joints. Advances in Mechanical Engineering, 2021, 13, 168781402110125.	0.8	7
195	A Modeling and Analysis Method of Dynamic Contact Stress Inside an Automotive Ball Joint. , 0, , .		0
196	Effects of Retracting Velocities on the Vibration of Atomic Force Microscope Probe on Different Surfaces. Journal of Vibration Engineering and Technologies, 2021, 9, 1305.	1.3	1
197	Minimum contact stress modification for profile curve design defects in the beam-spring-cone docking mechanism. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110036.	1.1	0
198	Embodiment of intra-abdominal pressure in a flexible multibody model of the trunk and the spinal unloading effects during static lifting tasks. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1599-1626.	1.4	14
199	Contact Area-Based Modeling of Robotic Grasps Using Deformable Solid Mechanics. International Journal of Applied Mechanics, 0, , 2150038.	1.3	1
200	A Fractal Model of Elastic-Plastic Contact Between Rough Surfaces for a Low-Velocity Impact Process. International Journal of Computational Methods, 0, , 2150039.	0.8	3

#	ARTICLE	IF	CITATIONS
201	Experimental and Analytical Investigation of a RC Wall with a Gabion Cushion Subjected to Boulder Impact. <i>International Journal of Impact Engineering</i> , 2021, 151, 103823.	2.4	10
202	Spatial Algorithms for Geometric Contact Detection in Multibody System Dynamics. <i>Mathematics</i> , 2021, 9, 1359.	1.1	18
203	A spring-damping contact force model considering normal friction for impact analysis. <i>Nonlinear Dynamics</i> , 2021, 105, 1437-1457.	2.7	12
204	Effect of plasticity on the coefficient of restitution of an elastoplastic sphere impacting an elastic plate. <i>International Journal of Solids and Structures</i> , 2021, 222-223, 111036.	1.3	3
205	Test study and nonlinear dynamic analysis of planar multi-link mechanism with compound clearances. <i>European Journal of Mechanics, A/Solids</i> , 2021, 88, 104260.	2.1	12
206	Dynamic investigation of a spatial multi-body mechanism considering joint clearance and friction based on coordinate partitioning method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 7569-7587.	1.1	4
207	An Analytical Solution for Non-Linear Viscoelastic Impact. <i>Mathematics</i> , 2021, 9, 1849.	1.1	2
208	Numerical study on the response scenarios in a vibro-impact single-degree-of-freedom oscillator with two unilateral dissipative and deformable constraints. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 99, 105818.	1.7	26
209	A comparative experimental study for dry and wet collisions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1169, 012020.	0.3	0
210	Investigation on clearance-induced vibro-impacts of torsional system based on Hertz contact nonlinearity. <i>Mechanism and Machine Theory</i> , 2021, 162, 104342.	2.7	17
212	Development of a passive biped robot digital twin using analysis, experiments, and a multibody simulation environment. <i>Mechanism and Machine Theory</i> , 2021, 163, 104346.	2.7	19
213	Continuous contact force model with an arbitrary damping term exponent: Model and discussion. <i>Mechanical Systems and Signal Processing</i> , 2021, 159, 107808.	4.4	11
214	Elastic impact of sphere on large plate. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 156, 104604.	2.3	15
215	A compendium of contact force models inspired by Hunt and Crossley's cornerstone work. <i>Mechanism and Machine Theory</i> , 2022, 167, 104501.	2.7	27
216	Passive Damping Techniques for Vibration Suppression in Boring Operation with Long Overhangs. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 256-264.	0.3	3
217	Wear Analysis of Spatial Parallel Mechanisms With Multiple Three-Dimensional Spherical Clearance Joints. <i>Journal of Tribology</i> , 2019, 141, .	1.0	2
218	Modeling Planar Joints With Clearance Between the Guide and Roller in Mechanisms. <i>Journal of Computational and Nonlinear Dynamics</i> , 2020, 15, .	0.7	2
219	Characterization of the Optimal Damping Coefficient in the Continuous Contact Model. <i>Journal of Computational and Nonlinear Dynamics</i> , 2020, 15, .	0.7	5

#	ARTICLE	IF	CITATIONS
220	Multiple Pounding Tuned Mass Damper (MPTMD) control on benchmark tower subjected to earthquake excitations. <i>Earthquake and Structures</i> , 2016, 11, 1123-1141.	1.0	13
221	Analysis of Hardware-in-the-Loop setup without artificial compliance for docking contact dynamics of satellites. , 2017, , .		3
222	Contact mechanics for dynamical systems: a comprehensive review. <i>Multibody System Dynamics</i> , 2022, 54, 127-177.	1.7	25
224	Gear-shifting control of non-synchronizer electric-driven mechanical transmission with active angle alignment. <i>Optimal Control Applications and Methods</i> , 0, , .	1.3	1
225	Modeling and Simulation of an Improved Impact Force Model for Mechanical System. , 2018, , .		0
226	Dynamics Analysis of 3-CPa&R1R2 Hybrid Mechanism with Joint Clearance. <i>Lecture Notes in Computer Science</i> , 2019, , 660-672.	1.0	0
227	Simulation and experimental response of four-bar mechanism with tolerance stack. <i>Journal of Mechanical Engineering and Sciences</i> , 2019, 13, 4512-4535.	0.3	1
228	Collision handling with elastic response calculation and zero-crossing functions. , 2019, , .		1
229	Estimation of impact forces during multi-point collisions involving small deformations. <i>Multibody System Dynamics</i> , 2021, 51, 45-90.	1.7	4
230	A MATHEMATICAL MODEL AND A SIMULATIONAL INVESTIGATION OF A PLANAR SYSTEM UNDER OBLIQUE MULTIPOINT IMPACT WITH FRICTION. <i>Tribologia</i> , 2020, 291, 53-62.	0.0	0
232	Dynamic modeling and simulation of impact in hydraulic cylinders. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622098047.	1.1	0
233	Analysis of the positioning process of objects on an oblique plane with barriers. <i>Mechanism and Machine Theory</i> , 2022, 168, 104580.	2.7	1
234	Dynamic modeling and responses investigation of spatial parallel robot considering lubricated spherical joint. <i>European Journal of Mechanics, A/Solids</i> , 2022, 92, 104458.	2.1	10
235	Development of a Computational Tool for the Dynamic Analysis of the Pantograph-Catenary Interaction for High-Speed Trains. , 0, , .		3
236	A hybrid data-driven model order reduction strategy for flexible multibody systems considering impact and friction. <i>Mechanism and Machine Theory</i> , 2022, 169, 104649.	2.7	7
237	Rigid-flexible coupling dynamics analysis with joint clearance for a 5-DOF hybrid polishing robot. <i>Robotica</i> , 2022, 40, 2168-2188.	1.3	6
238	Investigation on dynamics performance of multibody system with rough surface. <i>Applied Mathematical Modelling</i> , 2022, 104, 358-372.	2.2	11
239	A continuous contact force model for impact analysis. <i>Mechanical Systems and Signal Processing</i> , 2022, 168, 108739.	4.4	8

#	ARTICLE	IF	CITATIONS
240	Cross-belt sorter - a model and analysis of selected mechanical loads. <i>TransEngin</i> , 2020, 2, 139-148.	0.1	0
241	Investigation on vibro-impacts of driveline system based on a nonlinear clearance element with time-varying stiffness and oil-squeeze damping. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 0, , 1-18.	1.0	3
242	Improvement of Contact Force Calculation Model Considering Influence of Yield Strength on Coefficient of Restitution. <i>Energies</i> , 2022, 15, 1041.	1.6	5
243	Integration of a dissipative contact force model into vehicleâ€“track dynamics for analysing wheelâ€“rail dynamic interaction under short-wavelength irregularity. <i>Vehicle System Dynamics</i> , 2022, 60, 4317-4342.	2.2	2
244	A numerical study of a taut-moored point-absorber wave energy converter with a linear power take-off system under extreme wave conditions. <i>Applied Energy</i> , 2022, 311, 118629.	5.1	25
245	Discrete theory of rolling elements for a cageless ball bearing. <i>Journal of Mechanical Science and Technology</i> , 2022, 36, 1921-1933.	0.7	4
246	Application of a new conformal contact force model to nonlinear dynamic behavior analysis of parallel robot with spherical clearance joints. <i>Nonlinear Dynamics</i> , 2022, 108, 2161-2191.	2.7	9
247	Collision dynamics of gear meshing with multi-clearance and multi-state under friction consideration. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 5073-5091.	1.5	1
248	Energy Dissipation Analysis for Elastoplastic Contact and Dynamic Dashpot Models. <i>International Journal of Mechanical Sciences</i> , 2022, 221, 107214.	3.6	7
249	Dynamics and control of spacecraft solar array deployment considering physical contacts between locking mechanisms. <i>Acta Astronautica</i> , 2022, 195, 481-492.	1.7	7
250	Modelling multiple-simultaneous impact problems with a nonlinear smooth approach: pool/billiard application. <i>Nonlinear Dynamics</i> , 2022, 107, 1859-1886.	2.7	12
251	Experimental and Numerical Analysis on the Impact Wear Behavior of TP316H Steel. <i>Materials</i> , 2022, 15, 2881.	1.3	2
252	The effect of the presence of obstacles on the dynamic response of single-degree-of-freedom systems: Study of the scenarios aimed at vibration control. <i>Journal of Sound and Vibration</i> , 2022, 531, 116949.	2.1	5
253	Validation of compliant contact force models for low coefficient of restitution impact. <i>Biosystems Engineering</i> , 2022, 218, 216-228.	1.9	4
254	Passive chaos suppression for the planar slider-crank mechanism with a clearance joint by attached vibro-impact oscillator. <i>Mechanism and Machine Theory</i> , 2022, 174, 104882.	2.7	8
255	Contact force minimization strategy for space floating manipulator. , 2022, , .		0
256	Dynamic Model of a Conjugate-Surface Flexure Hinge Considering Impacts between Cylinders. <i>Micromachines</i> , 2022, 13, 957.	1.4	2
257	Mechanical energy dissipation due to the propagation of elastic waves during the lateral impact of elastic cylinders. <i>Journal of Sound and Vibration</i> , 2022, 535, 117075.	2.1	4

#	ARTICLE	IF	CITATIONS
258	Progress, Challenges, and Prospects of Soft Robotics for Space Applications. <i>Advanced Intelligent Systems</i> , 2023, 5, .	3.3	31
259	Extension of dashpot model with elastoplastic deformation and rough surface in impact behavior. <i>Chaos, Solitons and Fractals</i> , 2022, 162, 112402.	2.5	3
260	A quasi-static contact model for global dynamic simulation of multibody system with contact-impact. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 0, , 146441932211162.	0.5	0
261	ä»ä½“è,Æè,%œé”é¹¼åšä½“ç³»ç»Ÿçš,,æ£é€†å€€ â•âš”âš>â- â»°æ”jæ-1æ³•. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2022, 38,3		
262	Risk Assessment Model-Guided Configuration Optimization for Free-Floating Space Robot Performing Contact Task. <i>Machines</i> , 2022, 10, 720.	1.2	1
263	A continuous contact force model for the impact analysis of hard and soft materials. <i>Mechanism and Machine Theory</i> , 2022, 177, 105065.	2.7	8
264	Development of a compliant dashpot model with nonlinear and linear behaviors for the contact of multibody systems. <i>Mechanical Systems and Signal Processing</i> , 2023, 185, 109785.	4.4	6
265	Anti-collision Device for the One-Dimensional Scanning Probe Fitted to a Measuring Machine. <i>International Journal of Precision Engineering and Manufacturing</i> , 0, , .	1.1	0
266	Vibro-Impact Response Analysis of Collision with Clearance: A Tutorial. <i>Machines</i> , 2022, 10, 814.	1.2	2
267	A comparison of spherical joint models in the dynamic analysis of rigid mechanical systems: ideal, dry, hydrodynamic and bushing approaches. <i>Multibody System Dynamics</i> , 2022, 56, 221-266.	1.7	12
268	On the dynamics of multi-closed-chain robotic mechanisms. <i>International Journal of Non-Linear Mechanics</i> , 2022, 147, 104241.	1.4	9
269	Review with Analytical-Numerical Comparison of Contact Force Models for Slotted Joints in Machines. <i>Machines</i> , 2022, 10, 966.	1.2	3
270	Investigation of spatial plane joint characteristic for dynamic analysis of VSV mechanism based on similarity scaling technique. <i>International Journal of Non-Linear Mechanics</i> , 2023, 148, 104300.	1.4	2
272	Critical features of centrifugal pendulum vibration absorbers dynamic modeling. <i>Multibody System Dynamics</i> , 0, , .	1.7	0
273	Segmented hybrid motion-force control for a hyper-redundant space manipulator. <i>Aerospace Science and Technology</i> , 2022, 131, 107981.	2.5	4
274	A normal contact force model for viscoelastic bodies and its finite element modeling verification. <i>Mechanism and Machine Theory</i> , 2023, 181, 105202.	2.7	7
275	A Comprehensive Review on Biomechanical Modeling Applied to Device-Assisted Locomotion. <i>Archives of Computational Methods in Engineering</i> , 2023, 30, 1897-1960.	6.0	2
276	Research on Dynamic Characteristics of Flap Actuation System Considering Joint Clearance and Flexibility. <i>Machines</i> , 2022, 10, 1098.	1.2	0

#	ARTICLE	IF	CITATIONS
277	Determination of effective mass for continuous contact models in multibody dynamics. Multibody System Dynamics, 2023, 58, 253-273.	1.7	2
278	Multibody analysis and soft tissue strength refute supersonic dinosaur tail. Scientific Reports, 2022, 12, .	1.6	1
279	Towards data-driven modeling for complex contact phenomena via self-optimized artificial neural network methodology. Mechanism and Machine Theory, 2023, 182, 105223.	2.7	10
280	Dynamic characteristic of thrust-vectoring nozzle adjusting mechanism considering clearance of motion joint. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211474.	1.1	0
281	An analytical approach for modelling contact forcing function of hailstone impact. International Journal of Solids and Structures, 2023, 269, 112214.	1.3	7
282	Contact-impact events with friction in multibody dynamics: Back to basics. Mechanism and Machine Theory, 2023, 184, 105305.	2.7	8
283	Modelling and Simulation of Physical Systems with Dynamically Changing Degrees of Freedom. Electronics (Switzerland), 2023, 12, 500.	1.8	0
284	Dynamic analysis and wear calculation of space deployable mechanism considering spherical joints with clearance and coating. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2023, 237, 2729-2752.	1.1	1
285	Development of a Contact Force Model Suited for Spherical Contact Event. Actuators, 2023, 12, 89.	1.2	0
286	Dynamic analysis for mechanical system with clearance joint considering dependent interval parameters. Mechanics Based Design of Structures and Machines, 0, , 1-23.	3.4	0
288	Nonlinear analysis of complex mechanisms with multi-clearances considering dry friction and lubricated joints. Nonlinear Dynamics, 2023, 111, 10911-10938.	2.7	1
289	Study on Collision Dynamics Model and Multi-Body Contact Forces of Ball Cage Flexible Joint Considering Clearance. Machines, 2023, 11, 466.	1.2	0
299	Study on the Impact Performance of the Joint Cycloid Reducer for Legged Robots. Lecture Notes in Computer Science, 2023, , 464-475.	1.0	0
305	Robotic Simulator with High-Precision Perception of Contact Dynamics. , 2023, , .		1