

# Mergen H Ghayesh

## List of Publications by Citations

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138  
papers

6,037  
citations

44  
h-index

75  
g-index

140  
ext. papers

6,511  
ext. citations

3.4  
avg, IF

7.21  
L-index

#	Paper	IF	Citations
138	Nonlinear forced vibrations of a microbeam based on the strain gradient elasticity theory. <i>International Journal of Engineering Science</i> , <b>2013</b> , 63, 52-60	5.7	233
137	Nonlinear behaviour of electrically actuated MEMS resonators. <i>International Journal of Engineering Science</i> , <b>2013</b> , 71, 137-155	5.7	227
136	Nonlinear dynamics of a geometrically imperfect microbeam based on the modified couple stress theory. <i>International Journal of Engineering Science</i> , <b>2013</b> , 68, 11-23	5.7	221
135	Nonlinear dynamics of a microscale beam based on the modified couple stress theory. <i>Composites Part B: Engineering</i> , <b>2013</b> , 50, 318-324	10	213
134	Three-dimensional nonlinear size-dependent behaviour of Timoshenko microbeams. <i>International Journal of Engineering Science</i> , <b>2013</b> , 71, 1-14	5.7	200
133	Thermo-mechanical dynamics of perfect and imperfect Timoshenko microbeams. <i>International Journal of Engineering Science</i> , <b>2015</b> , 91, 12-33	5.7	193
132	In-plane and out-of-plane motion characteristics of microbeams with modal interactions. <i>Composites Part B: Engineering</i> , <b>2014</b> , 60, 423-439	10	171
131	Nonlinear dynamics of microplates. <i>International Journal of Engineering Science</i> , <b>2015</b> , 86, 60-73	5.7	163
130	Dynamics of functionally graded viscoelastic microbeams. <i>International Journal of Engineering Science</i> , <b>2018</b> , 124, 115-131	5.7	162
129	Nonlinear dynamical behaviour of geometrically imperfect microplates based on modified couple stress theory. <i>International Journal of Mechanical Sciences</i> , <b>2015</b> , 90, 133-144	5.5	160
128	In-plane and out-of-plane nonlinear size-dependent dynamics of microplates. <i>Nonlinear Dynamics</i> , <b>2015</b> , 79, 1771-1785	5	157
127	Size-dependent performance of microgyroscopes. <i>International Journal of Engineering Science</i> , <b>2016</b> , 100, 99-111	5.7	151
126	Chaotic motion of a parametrically excited microbeam. <i>International Journal of Engineering Science</i> , <b>2015</b> , 96, 34-45	5.7	149
125	A review on the mechanics of functionally graded nanoscale and microscale structures. <i>International Journal of Engineering Science</i> , <b>2019</b> , 137, 8-36	5.7	149
124	A review on the mechanics of nanostructures. <i>International Journal of Engineering Science</i> , <b>2018</b> , 133, 231-263	5.7	135
123	Nonlinear vibration analysis of axially functionally graded shear-deformable tapered beams. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 59, 583-596	4.5	129
122	Oscillations of functionally graded microbeams. <i>International Journal of Engineering Science</i> , <b>2017</b> , 110, 35-53	5.7	119

121	Functionally graded microbeams: Simultaneous presence of imperfection and viscoelasticity. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 140, 339-350	5.5	119
120	Nonlinear mechanics of electrically actuated microplates. <i>International Journal of Engineering Science</i> , <b>2018</b> , 123, 197-213	5.7	110
119	Nonlinear oscillations of functionally graded microplates. <i>International Journal of Engineering Science</i> , <b>2018</b> , 122, 56-72	5.7	110
118	Vibration analysis of geometrically imperfect three-layered shear-deformable microbeams. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 122, 370-383	5.5	96
117	Nonlinear mechanics of nanoscale tubes via nonlocal strain gradient theory. <i>International Journal of Engineering Science</i> , <b>2018</b> , 129, 84-95	5.7	92
116	Motion characteristics of bilayered extensible Timoshenko microbeams. <i>International Journal of Engineering Science</i> , <b>2017</b> , 112, 1-17	5.7	88
115	Viscoelastically coupled size-dependent dynamics of microbeams. <i>International Journal of Engineering Science</i> , <b>2016</b> , 109, 243-255	5.7	85
114	Size-dependent parametric dynamics of imperfect microbeams. <i>International Journal of Engineering Science</i> , <b>2016</b> , 99, 39-55	5.7	82
113	Supercritical nonlinear parametric dynamics of Timoshenko microbeams. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 59, 592-605	3.7	81
112	Nonlinear dynamics of cantilevered extensible pipes conveying fluid. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 6405-6418	3.9	79
111	Stability and bifurcations of an axially moving beam with an intermediate spring support. <i>Nonlinear Dynamics</i> , <b>2012</b> , 69, 193-210	5	78
110	Large-amplitude dynamical behaviour of microcantilevers. <i>International Journal of Engineering Science</i> , <b>2016</b> , 106, 29-41	5.7	78
109	Coupled global dynamics of an axially moving viscoelastic beam. <i>International Journal of Non-Linear Mechanics</i> , <b>2013</b> , 51, 54-74	2.8	76
108	Nonlinear dynamic response of axially moving, stretched viscoelastic strings. <i>Archive of Applied Mechanics</i> , <b>2011</b> , 81, 781-799	2.2	76
107	Nonlinear vibrations and stability of an axially moving beam with an intermediate spring support: two-dimensional analysis. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 335-354	5	71
106	Subharmonic dynamics of an axially accelerating beam. <i>Archive of Applied Mechanics</i> , <b>2012</b> , 82, 1169-1181	2	70
105	Coupled nonlinear size-dependent behaviour of microbeams. <i>Applied Physics A: Materials Science and Processing</i> , <b>2013</b> , 112, 329-338	2.6	69
104	Nonlinear vibrations and stability of parametrically excited systems with cubic nonlinearities and internal boundary conditions: A general solution procedure. <i>Applied Mathematical Modelling</i> , <b>2012</b> , 36, 3299-3311	4.5	69

103	A general solution procedure for vibrations of systems with cubic nonlinearities and nonlinear/time-dependent internal boundary conditions. <i>Journal of Sound and Vibration</i> , <b>2011</b> , 330, 5382-5400	2.9	64
102	Thermo-mechanical nonlinear dynamics of a buckled axially moving beam. <i>Archive of Applied Mechanics</i> , <b>2013</b> , 83, 25-42	2.2	63
101	Vibrations and stability of axially traveling laminated beams. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 217, 545-556	2.7	63
100	Nonlinear resonant behavior of microbeams over the buckled state. <i>Applied Physics A: Materials Science and Processing</i> , <b>2013</b> , 113, 297-307	2.6	62
99	Nonlinear mechanics of nanotubes conveying fluid. <i>International Journal of Engineering Science</i> , <b>2018</b> , 133, 132-143	5.7	57
98	Nonlinear resonant response of imperfect extensible Timoshenko microbeams. <i>International Journal of Mechanics and Materials in Design</i> , <b>2017</b> , 13, 43-55	2.5	56
97	Nonlinear dynamics of an axially moving Timoshenko beam with an internal resonance. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 39-52	5	52
96	Assist-as-Needed Control of an Intrinsically Compliant Robotic Gait Training Orthosis. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 1675-1685	8.9	45
95	Three-dimensional biomechanics of coronary arteries. <i>International Journal of Engineering Science</i> , <b>2018</b> , 130, 93-114	5.7	45
94	Nonlinear mechanical behaviour of microshells. <i>International Journal of Engineering Science</i> , <b>2018</b> , 127, 127-144	5.7	43
93	On the dynamics of imperfect shear deformable microplates. <i>International Journal of Engineering Science</i> , <b>2018</b> , 133, 264-283	5.7	40
92	Size-dependent behaviour of electrically actuated microcantilever-based MEMS. <i>International Journal of Mechanics and Materials in Design</i> , <b>2016</b> , 12, 301-315	2.5	34
91	Large-amplitude coupled scale-dependent behaviour of geometrically imperfect NSGT nanotubes. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 150, 510-525	5.5	34
90	Review on Design and Control Aspects of Robotic Shoulder Rehabilitation Orthoses. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2017</b> , 47, 1134-1145	4.1	33
89	Thermo-mechanical nonlinear vibration analysis of a spring-mass-beam system. <i>Archive of Applied Mechanics</i> , <b>2012</b> , 82, 317-331	2.2	32
88	Nonlinear biomechanics of bifurcated atherosclerotic coronary arteries. <i>International Journal of Engineering Science</i> , <b>2018</b> , 133, 60-83	5.7	28
87	An analytical solution for nonlinear dynamics of a viscoelastic beam-heavy mass system. <i>Journal of Mechanical Science and Technology</i> , <b>2011</b> , 25, 1915-1923	1.6	27
86	Nonlinear coupled mechanics of nanotubes incorporating both nonlocal and strain gradient effects. <i>Mechanics of Advanced Materials and Structures</i> , <b>2020</b> , 27, 373-382	1.8	26

85	Chaotic oscillations of viscoelastic microtubes conveying pulsatile fluid. <i>Microfluidics and Nanofluidics</i> , <b>2018</b> , 22, 1	2.8	25
84	Nonlinear thermo-mechanical behaviour of MEMS resonators. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 5303-5315	5.7	23
83	Free vibrations of beam-mass-spring systems: analytical analysis with numerical confirmation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2012</b> , 28, 468-481	2	22
82	A review on the biomechanics of coronary arteries. <i>International Journal of Engineering Science</i> , <b>2020</b> , 147, 103201	5.7	20
81	State-of-the-art robotic devices for ankle rehabilitation: Mechanism and control review. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2017</b> , 231, 1224-1234	1.7	19
80	Resonant vibrations of FG viscoelastic imperfect Timoshenko beams. <i>JVC/Journal of Vibration and Control</i> , <b>2019</b> , 25, 1823-1832	2	19
79	Nonlinear dynamics of doubly curved shallow microshells. <i>Nonlinear Dynamics</i> , <b>2018</b> , 92, 803-814	5	19
78	Nonlinear size-dependent behaviour of single-walled carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 1393-1399	2.6	19
77	Bending and vibration analyses of coupled axially functionally graded tapered beams. <i>Nonlinear Dynamics</i> , <b>2018</b> , 91, 17-28	5	19
76	Parametric instability of microbeams in supercritical regime. <i>Nonlinear Dynamics</i> , <b>2016</b> , 83, 1171-1183	5	17
75	Bistable nonlinear response of MEMS resonators. <i>Nonlinear Dynamics</i> , <b>2017</b> , 90, 1627-1645	5	17
74	Parametric Stability and Bifurcations of Axially Moving Viscoelastic Beams with Time-Dependent Axial Speed#. <i>Mechanics Based Design of Structures and Machines</i> , <b>2013</b> , 41, 359-381	1.7	17
73	Modified couple stress theory in orthogonal curvilinear coordinates. <i>Acta Mechanica</i> , <b>2019</b> , 230, 851-869	2.1	17
72	Three-dimensional nonlinear planar dynamics of an axially moving Timoshenko beam. <i>Archive of Applied Mechanics</i> , <b>2013</b> , 83, 591-604	2.2	16
71	Vibrations of shear deformable FG viscoelastic microbeams. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 1387-1400	4.0	16
70	Adaptive Impedance Control of Parallel Ankle Rehabilitation Robot. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	15
69	State-of-the-Art Robotic Devices for Wrist Rehabilitation: Design and Control Aspects. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2020</b> , 50, 361-372	4.1	15
68	Mechanics of tapered AFG shear-deformable microbeams. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 1743-1754	4.7	15

67	Size-dependent internal resonances and modal interactions in nonlinear dynamics of microcantilevers. <i>International Journal of Mechanics and Materials in Design</i> , <b>2018</b> , 14, 127-140	2.5	15
66	On the dynamics of axially functionally graded CNT strengthened deformable beams. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	15
65	Musculoskeletal modelling of human ankle complex: Estimation of ankle joint moments. <i>Clinical Biomechanics</i> , <b>2017</b> , 44, 75-82	2.2	14
64	A coupled nonlinear continuum model for bifurcation behaviour of fluid-conveying nanotubes incorporating internal energy loss. <i>Microfluidics and Nanofluidics</i> , <b>2019</b> , 23, 1	2.8	14
63	Nonlinear Dynamics of Multilayered Microplates. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2018</b> , 13,	1.4	14
62	A Parametrically Broadband Nonlinear Energy Harvester. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2017</b> , 139,	2.6	13
61	Resonance Responses of Geometrically Imperfect Functionally Graded Extensible Microbeams. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2017</b> , 12,	1.4	13
60	Thermo-mechanical dynamics of three-dimensional axially moving beams. <i>Nonlinear Dynamics</i> , <b>2015</b> , 80, 1643-1660	5	13
59	On the nonlinear resonant dynamics of Timoshenko microbeams: effects of axial load and geometric imperfection. <i>Meccanica</i> , <b>2016</b> , 51, 155-169	2.1	13
58	Viscoelasticity effects on resonant response of a shear deformable extensible microbeam. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 391-406	5	13
57	Thermal Effects on Nonlinear Vibrations of an Axially Moving Beam with an Intermediate Spring-Mass Support. <i>Shock and Vibration</i> , <b>2013</b> , 20, 385-399	1.1	13
56	Nonlinear size-dependent dynamics of microarches with modal interactions. <i>JVC/Journal of Vibration and Control</i> , <b>2016</b> , 22, 3679-3689	2	12
55	Porosity, mass and geometric imperfection sensitivity in coupled vibration characteristics of CNT-strengthened beams with different boundary conditions. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	12
54	Dynamic stability in parametric resonance of axially excited Timoshenko microbeams. <i>Meccanica</i> , <b>2016</b> , 51, 2459-2472	2.1	11
53	Coupled size-dependent behavior of shear deformable microplates. <i>Acta Mechanica</i> , <b>2016</b> , 227, 757-775	2.1	11
52	Complex motion characteristics of three-layered Timoshenko microarches. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 3731-3744	1.7	10
51	A coupled longitudinal-transverse nonlinear NSGT model for CNTs incorporating internal energy loss. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	10
50	A continuum viscoelastic model of Timoshenko NSGT nanobeams. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	10

49	. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 457-464	5.4	10
48	Viscoelastic nonlinear dynamic behaviour of Timoshenko FG beams. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	10
47	Robotic orthoses for gait rehabilitation: An overview of mechanical design and control strategies. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2020</b> , 234, 444-457	1.7	10
46	Stability and bifurcation characteristics of viscoelastic microcantilevers. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 4739-4746	1.7	9
45	A Nonlinearly Broadband Tuneable Energy Harvester. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	8
44	Stability and nonlinear dynamical analysis of functionally graded microplates. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 2109-2121	1.7	8
43	Viscoelastic resonant responses of shear deformable imperfect microbeams. <i>JVC/Journal of Vibration and Control</i> , <b>2018</b> , 24, 3049-3062	2	7
42	Modal interactions and energy transfers in large-amplitude vibrations of functionally graded microcantilevers. <i>JVC/Journal of Vibration and Control</i> , <b>2018</b> , 24, 3882-3893	2	7
41	Coupled Nonlinear Dynamics of Geometrically Imperfect Shear Deformable Extensible Microbeams. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2016</b> , 11,	1.4	7
40	Efficient Broadband Vibration Energy Harvesting Using Multiple Piezoelectric Bimorphs. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2020</b> , 87,	2.7	7
39	Effects of geometric nonlinearities on the coupled dynamics of CNT strengthened composite beams with porosity, mass and geometric imperfections. <i>Engineering With Computers</i> ,1	4.5	7
38	Parametric vibrations of imperfect Timoshenko microbeams. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 4917-4929	4.7	6
37	Pulsatile vibrations of viscoelastic microtubes conveying fluid. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 3609-3623	1.7	6
36	In vivo based biomechanics of right and left coronary arteries. <i>International Journal of Engineering Science</i> , <b>2020</b> , 154, 103281	5.7	6
35	Resonant responses of three-layered shear-deformable microbeams. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 2123-2136	1.7	6
34	Viscoelastically coupled dynamics of FG Timoshenko microbeams. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 651-663	1.7	6
33	A size-dependent nonlinear third-order shear-deformable dynamic model for a microplate on an elastic medium. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 3281-3299	1.7	6
32	Post-buckling dynamics of Timoshenko microbeams under axial loads. <i>International Journal of Dynamics and Control</i> , <b>2015</b> , 3, 403-415	1.7	6

31	Local dynamic analysis of imperfect fluid-conveying nanotubes with large deformations incorporating nonlinear damping. <i>JVC/Journal of Vibration and Control</i> , <b>2020</b> , 26, 413-429	2	6
30	Application of nanotubes in conveying nanofluid: a bifurcation analysis with consideration of internal energy loss and geometrical imperfection. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 4357-4371	1.7	6
29	Viscoelastically coupled size-dependent behaviour of imperfect extensible microbeams. <i>International Journal of Mechanics and Materials in Design</i> , <b>2017</b> , 13, 569-581	2.5	5
28	Super and subcritical nonlinear nonlocal analysis of NSGT nanotubes conveying nanofluid. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 4693-4707	1.7	5
27	Resonant dynamics of axially functionally graded imperfect tapered Timoshenko beams. <i>JVC/Journal of Vibration and Control</i> , <b>2019</b> , 25, 336-350	2	5
26	Size-dependent large-amplitude oscillations of microcantilevers. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 3477-3488	1.7	4
25	A nonlinear viscoelastic model for NSGT nanotubes conveying fluid incorporating slip boundary conditions. <i>JVC/Journal of Vibration and Control</i> , <b>2019</b> , 25, 1883-1894	2	4
24	Mechanics of Fluid-Conveying Microtubes: Coupled Buckling and Post-Buckling. <i>Vibration</i> , <b>2019</b> , 2, 102-115		4
23	Numerical Framework and Design Optimization of an Intrinsically Compliant 3-DOF Parallel Robot. <i>Journal of Computing and Information Science in Engineering</i> , <b>2021</b> , 21,	2.4	4
22	Vibration characterisation of AFG microcantilevers in nonlinear regime. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 3061-3069	1.7	4
21	Nonlinear coupled dynamics of shear deformable microbeams. <i>International Journal of Dynamics and Control</i> , <b>2016</b> , 4, 492-503	1.7	3
20	Dynamics of nonuniform deformable AFG viscoelastic microbeams. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 3857-3866	1.7	3
19	Performance based design optimization of an intrinsically compliant 6-dof parallel robot. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 1-16	1.7	3
18	Modal interactions in primary and subharmonic resonant dynamics of imperfect microplates with geometric nonlinearities. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2016</b> , 32, 469-480	2	3
17	Global nonlocal viscoelastic dynamics of pulsatile fluid-conveying imperfect nanotubes. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	3
16	Large-amplitude dynamics of a functionally graded microcantilever with an intermediate spring-support and a point-mass. <i>Acta Mechanica</i> , <b>2017</b> , 228, 4309-4323	2.1	3
15	In Vivo Based Fluid-Structure Interaction Biomechanics of the Left Anterior Descending Coronary Artery. <i>Journal of Biomechanical Engineering</i> , <b>2021</b> , 143,	2.1	3
14	Improving Passive Stability of a Planar Quasi-Zero Stiffness Magnetic Levitation System via Lever Arm <b>2018</b> ,		3



13	Nonsymmetric Nonlinear Dynamics of Piezoelectrically Actuated Beams. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2019</b> , 141,	1.6	2
12	A coupled nonlinear nonlocal strain gradient theory for functionally graded Timoshenko nanobeams. <i>Microsystem Technologies</i> , <b>2020</b> , 26, 2053-2066	1.7	2
11	Large-amplitude parametric response of fluid-conveying nanotubes due to flow pulsations. <i>Microsystem Technologies</i> , <b>2020</b> , 26, 707-720	1.7	2
10	Nonlinear continuum mechanics of thick hyperelastic sandwich beams using various shear deformable beam theories. <i>Continuum Mechanics and Thermodynamics</i> ,1	3.5	2
9	Asymmetric Oscillations of AFG Microscale Nonuniform Deformable Timoshenko Beams. <i>Vibration</i> , <b>2019</b> , 2, 201-221	2	1
8	Optical Coherence Tomography Based Biomechanical Fluid-Structure Interaction Analysis of Coronary Atherosclerosis Progression.. <i>Journal of Visualized Experiments</i> , <b>2022</b> ,	1.6	1
7	Energy Concentration by Bluff BodiesA Particle Image Velocimetry Investigation. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2019</b> , 141,	2.1	1
6	Size-dependent dynamics of double-microbeam systems with various boundary conditions via modified couple stress theory. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 3193-3210	1.7	1
5	Effect of body weight support variation on muscle activities during robot assisted gait: a dynamic simulation study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2017</b> , 20, 626-635	2.1	0
4	Wall Shear Stress for an Aorta with Aneurysms Via Computational Fluid Dynamics <b>2022</b> , 27-37		0
3	On the mechanics of shear deformable micro beams under thermo-mechanical loads using finite element analysis and deep learning neural network. <i>Mechanics Based Design of Structures and Machines</i> ,1-45	1.7	0
2	Automated Coronary Optical Coherence Tomography Feature Extraction with Application to Three-Dimensional Reconstruction. <i>Tomography</i> , <b>2022</b> , 8, 1307-1349	3.1	0
1	Effect of Nonlinear Blood Viscosity on LDL Transport and Fluid-Structure Interaction Biomechanics of a Multi-stenosis Left Circumflex Coronary Artery <b>2022</b> , 39-48		