

Jorge Belinha

List of Publications by Year in descending order

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176
papers

1,982
citations

257101

24
h-index

301761

39
g-index

194
all docs

194
docs citations

194
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of 3D solids using the natural neighbour radial point interpolation method. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 2009-2028.	3.4	127
2	Static strength prediction of adhesive joints: A review. International Journal of Adhesion and Adhesives, 2020, 96, 102451.	1.4	96
3	Analysis of plates and laminates using the natural neighbour radial point interpolation method. Engineering Analysis With Boundary Elements, 2008, 32, 267-279.	2.0	91
4	Analysis of plates and laminates using the element-free Galerkin method. Computers and Structures, 2006, 84, 1547-1559.	2.4	72
5	Modelling skin wound healing angiogenesis: A review. Journal of Theoretical Biology, 2018, 459, 1-17.	0.8	64
6	The analysis of laminated plates using distinct advanced discretization meshless techniques. Composite Structures, 2016, 143, 165-179.	3.1	57
7	Bone tissue remodelling analysis considering a radial point interpolator meshless method. Engineering Analysis With Boundary Elements, 2012, 36, 1660-1670.	2.0	55
8	The natural radial element method. International Journal for Numerical Methods in Engineering, 2013, 93, 1286-1313.	1.5	54
9	Meshless Methods in Biomechanics. Lecture Notes in Computational Vision and Biomechanics, 2014, , .	0.5	54
10	Vibration analysis of laminated soft core sandwich plates with piezoelectric sensors and actuators. Composite Structures, 2016, 151, 91-98.	3.1	53
11	Nonlinear analysis of plates and laminates using the element free Galerkin method. Composite Structures, 2007, 78, 337-350.	3.1	51
12	Analysis of thick plates by the natural radial element method. International Journal of Mechanical Sciences, 2013, 76, 33-48.	3.6	51
13	Composite laminated plate analysis using the natural radial element method. Composite Structures, 2013, 103, 50-67.	3.1	49
14	A meshless microscale bone tissue trabecular remodelling analysis considering a new anisotropic bone tissue material law. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 1170-1184.	0.9	45
15	Stress intensity factor calculation through thermoelastic stress analysis, finite element and RPIM meshless method. Engineering Fracture Mechanics, 2017, 183, 66-78.	2.0	41
16	A 3D shell-like approach using a natural neighbour meshless method: Isotropic and orthotropic thin structures. Composite Structures, 2010, 92, 1132-1142.	3.1	39
17	A natural neighbour meshless method with a 3D shell-like approach in the dynamic analysis of thin 3D structures. Thin-Walled Structures, 2011, 49, 185-196.	2.7	39
18	The natural neighbour radial point interpolation method: dynamic applications. Engineering Computations, 2009, 26, 911-949.	0.7	37

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19	Static and dynamic analysis of laminated plates based on an unconstrained third order theory and using a radial point interpolator meshless method. <i>Computers and Structures</i> , 2011, 89, 1771-1784.	2.4	33
20	Extending radial point interpolating meshless methods to the elasto-plastic analysis of aluminium alloys. <i>Engineering Analysis With Boundary Elements</i> , 2019, 100, 101-117.	2.0	33
21	An Unconstrained Third-Order Plate Theory Applied to Functionally Graded Plates Using a Meshless Method. <i>Mechanics of Advanced Materials and Structures</i> , 2010, 17, 108-133.	1.5	31
22	Crack path prediction using the natural neighbour radial point interpolation method. <i>Engineering Analysis With Boundary Elements</i> , 2015, 59, 144-158.	2.0	29
23	Elasto-plastic analysis of plates by the element free Galerkin method. <i>Engineering Computations</i> , 2006, 23, 525-551.	0.7	27
24	Composite Laminated Plates: A 3D Natural Neighbor Radial Point Interpolation Method Approach. <i>Journal of Sandwich Structures and Materials</i> , 2010, 12, 119-138.	2.0	27
25	The Natural Neighbor Radial Point Interpolation Method Extended to the Crack Growth Simulation. <i>International Journal of Applied Mechanics</i> , 2016, 08, 1650006.	1.3	26
26	A Fracture Mechanics Study of a Compact Tension Specimen: Digital Image Correlation, Finite Element and Meshless Methods. <i>Procedia Structural Integrity</i> , 2017, 5, 920-927.	0.3	24
27	The numerical simulation of crack propagation using radial point interpolation meshless methods. <i>Engineering Analysis With Boundary Elements</i> , 2019, 109, 187-198.	2.0	23
28	Homogenization technique for heterogeneous composite materials using meshless methods. <i>Engineering Analysis With Boundary Elements</i> , 2018, 92, 73-89.	2.0	20
29	Compact tension fracture specimen: Experimental and computational implementations on stress intensity factor. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 630-647.	1.0	20
30	The Axisymmetric Analysis of Circular Plates Using the Radial Point Interpolation Method. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2015, 16, 336-353.	1.4	19
31	Extending a radial point interpolation meshless method to non-local constitutive damage models. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 85, 84-98.	2.1	18
32	A digital image correlation analysis on a sheet AA6061-T6 bi-failure specimen to predict static failure. <i>Engineering Failure Analysis</i> , 2018, 90, 179-196.	1.8	18
33	Predicting single-lap joint strength using the natural neighbour radial point interpolation method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	18
34	Study on 3D printing of gyroid-based structures for superior structural behaviour. <i>Progress in Additive Manufacturing</i> , 2021, 6, 689-703.	2.5	18
35	THE MANDIBLE REMODELING INDUCED BY DENTAL IMPLANTS: A MESHLESS APPROACH. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1550059.	0.3	17
36	The Meshless Methods in the Bone Tissue Remodelling Analysis. <i>Procedia Engineering</i> , 2015, 110, 51-58.	1.2	16

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37	The analysis of the bone remodelling around femoral stems: A meshless approach. <i>Mathematics and Computers in Simulation</i> , 2016, 121, 64-94.	2.4	16
38	Single lap joint strength prediction using the radial point interpolation method and the critical longitudinal strain criterion. <i>Engineering Analysis With Boundary Elements</i> , 2020, 113, 268-276.	2.0	15
39	On the optimal shape parameters of distinct versions of RBF meshless methods for the bending analysis of plates. <i>Engineering Analysis With Boundary Elements</i> , 2017, 84, 77-86.	2.0	14
40	Material non-linearity in the numerical analysis of SLJ bonded with ductile adhesives: A meshless approach. <i>International Journal of Adhesion and Adhesives</i> , 2021, 104, 102716.	1.4	14
41	The Elasto-plastic Response of the Bone Tissue Due to the Insertion of Dental Implants. <i>Procedia Engineering</i> , 2015, 110, 37-44.	1.2	12
42	Numerical analysis of dental implants using a new advanced discretization technique. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 467-479.	1.5	12
43	Mechanical bone remodelling: Comparative study of distinct numerical approaches. <i>Engineering Analysis With Boundary Elements</i> , 2019, 100, 125-139.	2.0	12
44	The Radial Natural Neighbours Interpolators Extended to ElastoplastiCity. , 2009, , 175-198.		12
45	A meshless approach to non-local damage modelling of concrete. <i>Engineering Analysis With Boundary Elements</i> , 2017, 79, 62-74.	2.0	11
46	A GTN Failure Analysis of an AA6061-T6 Bi-Failure Specimen. <i>Procedia Structural Integrity</i> , 2017, 5, 981-988.	0.3	11
47	The anisotropic elasto-plastic analysis using a natural neighbour RPIM version. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 1773-1795.	0.8	11
48	Elastoplastic response and failure assessment of steel alloys: Empirical and computational analyses. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 1247-1261.	1.7	11
49	Numerical analysis of the dynamic behaviour of adhesive joints: A review. <i>International Journal of Adhesion and Adhesives</i> , 2022, 118, 103219.	1.4	11
50	Sprouting Angiogenesis: A Numerical Approach with Experimental Validation. <i>Annals of Biomedical Engineering</i> , 2021, 49, 871-884.	1.3	10
51	The Natural Neighbor Radial Point Interpolation Method in Computational Fracture Mechanics: A 2D Preliminary Study. <i>International Journal of Computational Methods</i> , 2017, 14, 1750045.	0.8	9
52	On the Non-linear Elasto-Plastic Behavior of AA6061-T6: Experimental and Numerical Implementations. <i>Procedia Structural Integrity</i> , 2017, 5, 468-475.	0.3	8
53	A radial point interpolation meshless method extended with an elastic rate-independent continuum damage model for concrete materials. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 855-867.	1.5	8
54	A mathematical biomechanical model for bone remodeling integrated with a radial point interpolating meshless method. <i>Computers in Biology and Medicine</i> , 2021, 129, 104170.	3.9	8

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55	An Elasto-plastic Analysis of a DP600 Bi-Failure Specimen: Digital Image Correlation, Finite Element and Meshless Methods. <i>Procedia Structural Integrity</i> , 2017, 5, 1237-1244.	0.3	7
56	The free vibrations analysis of the cupula in the inner ear using a natural neighbor meshless method. <i>Engineering Analysis With Boundary Elements</i> , 2018, 92, 50-63.	2.0	7
57	Simulating fracture propagation in brittle materials using a meshless approach. <i>Engineering With Computers</i> , 2018, 34, 503-522.	3.5	7
58	Analysis of stress singularity in adhesive joints using meshless methods. <i>Engineering Analysis With Boundary Elements</i> , 2022, 137, 29-40.	2.0	7
59	A meshless method in the non-local constitutive damage models. <i>Procedia Structural Integrity</i> , 2016, 1, 226-233.	0.3	6
60	Biomechanical Study of the Vestibular System of the Inner Ear Using a Numerical Method. <i>Procedia IUTAM</i> , 2017, 24, 30-37.	1.2	6
61	A brain impact stress analysis using advanced discretization meshless techniques. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 257-270.	1.0	6
62	A nonlinear simulation of a bi-failure specimen through improved discretisation methods: A validation study. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 616-629.	1.0	6
63	Bone remodeling: an improved spatiotemporal mathematical model. <i>Archive of Applied Mechanics</i> , 2020, 90, 635-649.	1.2	6
64	Analysis of antisymmetric cross-ply laminates using high-order shear deformation theories: a meshless approach. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 1078-1098.	1.5	6
65	A New Crack Propagation Algorithm Combined with the Finite Element Method. <i>Journal of Mechanics</i> , 2020, 36, 405-422.	0.7	6
66	Numerical analysis of honeycomb-shaped polymeric foams using the FEM and the RPIM. <i>Engineering Analysis With Boundary Elements</i> , 2021, 129, 27-38.	2.0	6
67	The bending behaviour of antisymmetric cross-ply laminates using high-order shear deformation theories and a Radial Point Interpolation Method. <i>Structures</i> , 2021, 32, 1589-1603.	1.7	6
68	Fracture mechanics approach to stress singularities in composite adhesive joints. <i>Composite Structures</i> , 2021, 276, 114507.	3.1	6
69	Bone Tissue Remodelling Analysis. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2014, , 251-316.	0.5	6
70	A Global Numerical analysis of the "central incisor/local maxillary bone" system using a meshless method. <i>MCB Molecular and Cellular Biomechanics</i> , 2014, 11, 151-84.	0.3	6
71	A computational framework to simulate the endolymph flow due to vestibular rehabilitation maneuvers assessed from accelerometer data. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 461-469.	0.9	5
72	A multiscale homogenization procedure combining the fabric tensor with a natural neighbour meshless method. <i>Engineering Analysis With Boundary Elements</i> , 2019, 100, 211-224.	2.0	5

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73	A new biological bone remodeling in silico model combined with advanced discretization methods. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3196.	1.0	5
74	Strength prediction of composite single lap joints using the critical longitudinal strain criterion and a meshless method. International Journal of Adhesion and Adhesives, 2021, 108, 102884.	1.4	5
75	Simulation of the process of angiogenesis: Quantification and assessment of vascular patterning in the chicken chorioallantoic membrane. Computers in Biology and Medicine, 2021, 136, 104647.	3.9	5
76	Using a radial point interpolation meshless method and the finite element method for application of a bio-inspired remodelling algorithm in the design of optimized bone scaffold. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	5
77	Fracture Toughness Determination on an SCB Specimen by Meshless Methods. Applied Sciences (Switzerland), 2022, 12, 2633.	1.3	5
78	Computational simulation of cellular proliferation using a meshless method. Computer Methods and Programs in Biomedicine, 2022, 224, 106974.	2.6	5
79	The analysis of composite laminated beams using a 2D interpolating meshless technique. Acta Mechanica Sinica/Lixue Xuebao, 2018, 34, 99-116.	1.5	4
80	Material homogenization technique for composites: A meshless formulation. Science and Technology of Materials, 2018, 30, 50-59.	0.8	4
81	The numerical analysis of symmetric cross-ply laminates using the natural neighbour radial point interpolation method and high-order shear deformation theories. Engineering Structures, 2020, 225, 111247.	2.6	4
82	A meshless study of antisymmetric angle-ply laminates using high-order shear deformation theories. Composite Structures, 2021, 255, 112795.	3.1	4
83	Load adaptation through bone remodeling: a mechanobiological model coupled with the finite element method. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1495-1507.	1.4	4
84	Elasto-plastic adhesive joint design approach by a radial point interpolation meshless method. Journal of Adhesion, 2022, 98, 2396-2422.	1.8	4
85	Meshless analysis of the stress singularity in composite adhesive joints. Composite Structures, 2022, 280, 114910.	3.1	4
86	Introductory application of a natural neighbour meshless elastic formulation to double-lap adhesive joints. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	0.8	4
87	An Optimized RBF Analysis of an Isotropic Mindlin Plate in Bending. Procedia Structural Integrity, 2017, 5, 584-591.	0.3	3
88	Biomechanical Analysis of Bone Tissue After Insertion of Dental Implants Using Meshless Methods: Stress Analysis and Osseointegration. , 2019, , 393-403.		3
89	Fracture Analysis of Semi-circular Bend (SCB) Specimen: A Numerical Study. Structural Integrity, 2019, , 407-413.	0.8	3
90	Evaluation of an elastic meshless formulation to adhesive joints's strength prediction against established methods. Journal of Adhesion Science and Technology, 0, , 1-27.	1.4	3

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91	Fracture propagation using the radial point interpolation method. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 77-91.	1.7	3
92	A preliminary study of endothelial cell migration during angiogenesis using a meshless method approach. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3393.	1.0	3
93	Application of an enhanced homogenization technique to the structural multiscale analysis of a femur bone. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 868-878.	0.9	3
94	Strength prediction of composite single lap joints using the radial point interpolation method. Composite Structures, 2021, 259, 113228.	3.1	3
95	Design of functionally graded gyroid foams using optimization algorithms and the finite element method. International Journal of Advanced Manufacturing Technology, 2021, 114, 725-739.	1.5	3
96	Meshless analysis of substrate stiffness and its effect on metallic double-L joint strength and stress distributions. Engineering Analysis With Boundary Elements, 2021, 125, 190-200.	2.0	3
97	Predicting bone remodeling using a mechano-biological mathematical model combined with a natural neighbor meshless method. Engineering Analysis With Boundary Elements, 2021, 132, 437-445.	2.0	3
98	A bio-inspired remodelling algorithm combined with a natural neighbour meshless method to obtain optimized functionally graded materials. Engineering Analysis With Boundary Elements, 2022, 135, 145-155.	2.0	3
99	Topology optimization using a natural neighbour meshless method combined with a bi-directional evolutionary algorithm. Mathematics and Computers in Simulation, 2022, 194, 308-328.	2.4	3
100	The Natural Neighbour Radial Point Interpolation Meshless Method Applied to the Non-Linear Analysis. , 2011, , .		2
101	Aluminum foam sandwich with adhesive bonding: Computational modeling. Journal of Adhesion, 2017, 93, 1025-1047.	1.8	2
102	Determination of the Anisotropic Mechanical Properties of Bone Tissue Using a Homogenization Technique Combined With Meshless Methods. , 2019, , 201-213.		2
103	A Stress Intensity Factor Study for a Pressure Vessel CT Specimen Using Finite Element Method. Structural Integrity, 2019, , 181-186.	0.8	2
104	Numerical simulation of aneurysms with Finite Element and Meshless Methods. , 2019, , .		2
105	Analyzing single-lap joints bonded with a brittle adhesive by an elastic meshless method. Procedia Structural Integrity, 2020, 28, 1084-1093.	0.3	2
106	A Novel Robust Remeshing Finite Element Technique for Fracture Propagation. International Journal of Computational Methods, 2021, 18, 2050040.	0.8	2
107	Simulation of the viscoplastic extrusion process using the radial point interpolation meshless method. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1203-1225.	0.7	2
108	The influence of infill density gradient on the mechanical properties of PLA optimized structures by additive manufacturing. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1401-1418.	0.7	2

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109	Optimizing a meshless method for the simulation of the extrusion of non-Newtonian materials. International Journal of Mechanical Sciences, 2021, 208, 106688.	3.6	2
110	A new non targeted bone remodeling model combined with an interpolation meshless method. Mathematics and Computers in Simulation, 2021, 190, 23-37.	2.4	2
111	The elasto-plastic analysis of 3D-printed thermoplastics using the NNRPIM and a modified hill yield criterion. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1368-1381.	0.7	2
112	Fracture mechanics approach to stress singularity in adhesive joints. International Journal of Fracture, 2021, 232, 77-91.	1.1	2
113	Meshless Methods Introduction. Lecture Notes in Computational Vision and Biomechanics, 2014, , 41-87.	0.5	2
114	The Radial Point Interpolation Method combined with a bi-directional structural topology optimization algorithm. Engineering With Computers, 2022, 38, 5137-5151.	3.5	2
115	An elasto-plastic model to analyse the biomechanical behaviour of the atherosclerotic plaque tissue. , 2015, , .		1
116	The numerical analysis of a restored tooth using meshless methods. , 2015, , .		1
117	The osteointegration numerical prediction of a femur stem using a meshless approach. , 2015, , .		1
118	A model for bone remodeling: Cellular dynamics and mechanical loading. , 2017, , .		1
119	The Mechanologic Bone Tissue Remodeling Analysis. , 2018, , 303-323.		1
120	Numerical simulation of compression and tensile tests on thermoplastics: A meshless approach. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, , 146442071881030.	0.7	1
121	A multiscale homogenization procedure using the fabric tensor concept. Science and Technology of Materials, 2018, 30, 27-34.	0.8	1
122	Biomechanics of the Vestibular System: A Numerical Simulation. , 2019, , 21-32.		1
123	A new numerical approach to mechanically analyse biological structures. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 100-111.	0.9	1
124	USING MESHLESS METHODS TO SIMULATE BLOOD CLOTS. , 2019, , .		1
125	Additive Manufacturing from a Biomedical Perspective. , 2019, , .		1
126	Biomechanical Simulation of a Dental Implant using Finite Element Method Analysis. , 2019, , .		1

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127	Parametric Study of Fatigue Crack Growth in a Finite Plate. U Porto Journal of Engineering, 2021, 7, 22-30.	0.2	1
128	Development of a Constitutive Model to Predict the Elasto-Plastic Behaviour of 3D-Printed Thermoplastics: A Meshless Formulation. Advanced Structured Materials, 2020, , 311-329.	0.3	1
129	Meshless and hyper-elastic implementation to analyse flexible adhesives. Procedia Structural Integrity, 2021, 33, 149-158.	0.3	1
130	An evolutionary structural optimization algorithm for the analysis of light automobile parts using a meshless technique. Engineering Computations, 2022, 39, 2081-2107.	0.7	1
131	Using a meshless method to assess the effect of mechanical loading in angiogenesis. Mathematics and Computers in Simulation, 2022, 202, 421-441.	2.4	1
132	Numerical simulation of the maneuvers performed in vestibular rehabilitation. , 2015, , .		0
133	Development of a universal surgical guide to perform low invasive knee surgeries. , 2015, , .		0
134	Structural computational biomechanics with advanced discretization techniques. , 2017, , .		0
135	The computational simulation of cellular growth. , 2017, , .		0
136	Meshless analysis of 2D trabecular patches using a fabric tensor obtained from Micro-CT images. , 2017, , .		0
137	The free vibration computational analysis of the cupula in the inner ear. , 2017, , .		0
138	The structural analysis of chitosan tubes using meshless methods. , 2017, , .		0
139	The structural analysis of a femur bone using a 2D FEM approach. , 2019, , .		0
140	Biomechanical Simulation of Human Chromosomes. , 2019, , .		0
141	Numerical Assessment of Bone Tissue Remodeling of a Proximal Femur After Insertion of a Femoral Implant Using an Interpolating Meshless Method. , 2019, , 405-412.		0
142	The Elasto-plastic Analysis of Polymers Subject to Traction and Compression Using Advanced Discretization Techniques. Structural Integrity, 2019, , 401-406.	0.8	0
143	Using the finite element method and radial point interpolation method to analyze the jaw bone*. , 2019, , .		0
144	The Natural Neighbour Radial Point Interpolation Method to Predict the Compression and Traction Behavior of Thermoplastics. Structural Integrity, 2019, , 393-399.	0.8	0

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145	Numerical analysis of chitosan nerve guidance channels with different geometries. , 2019, , .		0
146	Analysing the peripheral nerve tissue using distinct discretization techniques*. , 2019, , .		0
147	The Structural Analysis of a Molar Tooth Using Finite Element Method. , 2019, , .		0
148	Using a Meshless Method to Predict the Strength of Adhesive Single Lap Joints. , 2021, , 27-37.		0
149	Homogenizing the Elastic Properties of Composite Material Using the NNRPIM. , 2021, , 38-50.		0
150	Combining Structural Optimization Solutions Using FFF Manufacturing. Advanced Structured Materials, 2021, , 113-137.	0.3	0
151	The natural neighbor radial point interpolation method in the Elasto-Static analysis of Honeycomb-Shaped foams. International Journal of Computational Materials Science and Engineering, 0, , 2150014.	0.5	0
152	Shape Functions. Lecture Notes in Computational Vision and Biomechanics, 2014, , 89-151.	0.5	0
153	Bone Tissue. Lecture Notes in Computational Vision and Biomechanics, 2014, , 221-249.	0.5	0
154	The numerical analysis of angled abutments using advanced discretization techniques. , 2017, , 65-69.		0
155	Micro-CT images for mechanical simulation geometrical models using advanced discretisation techniques. , 2017, , 45-52.		0
156	Meshless methods in oral biomechanics. , 2017, , 29-34.		0
157	Stress analysis of 3D trabecular patches: A computational study. , 2017, , 35-44.		0
158	The computational mechanical simulation of healthy and pathological red blood cells with meshless methods. , 2019, , 207-212.		0
159	Computational structural analysis of dental implants using radial point interpolation meshless methods. , 2019, , 225-230.		0
160	Application of chitosan in dentistryâ€™a review. , 2019, , 123-128.		0
161	Predicting the stress distribution in the mandible bone due to the insertion of implants: A meshless method study. , 2019, , 213-218.		0
162	The numerical analysis of 4-On-Pillars technique using meshless methods. , 2019, , 171-176.		0

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163	Predicting the trabecular architecture in the vicinity of natural teeth: A comparison between finite elements and meshless methods. , 2019, , 161-166.		0
164	Using meshless methods to analyse bone remodelling after the insertion of a femoral implant. , 2019, , 189-194.		0
165	Predicting in-silico structural response of dental restorations using meshless methods. , 2019, , 183-188.		0
166	Studying the mandible bone tissue remodelling in the vicinity of implants using a meshless method computational framework. , 2019, , 219-224.		0
167	Development of an image processing based algorithm to define trabecular bone mechanical properties using the fabric tensor concept. , 2019, , 141-146.		0
168	Mathematical Modelling of Spatio-temporal Cell Dynamics Observed During Bone Remodelling. Lecture Notes in Computational Vision and Biomechanics, 2020, , 129-158.	0.5	0
169	Meshless, Bone Remodelling and Bone Regeneration Modelling. Lecture Notes in Computational Vision and Biomechanics, 2020, , 71-93.	0.5	0
170	Development of an Elasto-plastic Meshless Technique to Analyse Bonded Structures. Lecture Notes in Mechanical Engineering, 2021, , 57-77.	0.3	0
171	Modelling adhesively-bonded T-joints by a meshless method. IOP Conference Series: Materials Science and Engineering, 2021, 1193, 012083.	0.3	0
172	Meshless approach to material plasticity in adhesive joints. Procedia Structural Integrity, 2021, 33, 126-137.	0.3	0
173	Topology optimization of light structures using the natural neighbour radial point interpolation method. Meccanica, 2022, 57, 659-676.	1.2	0
174	The Natural Neighbour Radial Point Interpolation Method: A Non-Linear Analysis Review. , 0, , .		0
175	Functional Gradients of the Gyroid Infill for Structural Optimization. , 0, , .		0
176	3D printed devices to avoid hand contact with commonly shared surfaces. International Journal on Interactive Design and Manufacturing, 0, , .	1.3	0