

Jorge Belinha

List of Publications by Year in descending order

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176
papers

1,982
citations

257101

24
h-index

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39
g-index

194
all docs

194
docs citations

194
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Elasto-plastic adhesive joint design approach by a radial point interpolation meshless method. <i>Journal of Adhesion</i> , 2022, 98, 2396-2422.	1.8	4
2	Meshless analysis of the stress singularity in composite adhesive joints. <i>Composite Structures</i> , 2022, 280, 114910.	3.1	4
3	A bio-inspired remodelling algorithm combined with a natural neighbour meshless method to obtain optimized functionally graded materials. <i>Engineering Analysis With Boundary Elements</i> , 2022, 135, 145-155.	2.0	3
4	Topology optimization using a natural neighbour meshless method combined with a bi-directional evolutionary algorithm. <i>Mathematics and Computers in Simulation</i> , 2022, 194, 308-328.	2.4	3
5	Topology optimization of light structures using the natural neighbour radial point interpolation method. <i>Meccanica</i> , 2022, 57, 659-676.	1.2	0
6	The Radial Point Interpolation Method combined with a bi-directional structural topology optimization algorithm. <i>Engineering With Computers</i> , 2022, 38, 5137-5151.	3.5	2
7	Introductory application of a natural neighbour meshless elastic formulation to double-lap adhesive joints. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	0.8	4
8	An evolutionary structural optimization algorithm for the analysis of light automobile parts using a meshless technique. <i>Engineering Computations</i> , 2022, 39, 2081-2107.	0.7	1
9	Analysis of stress singularity in adhesive joints using meshless methods. <i>Engineering Analysis With Boundary Elements</i> , 2022, 137, 29-40.	2.0	7
10	Fracture Toughness Determination on an SCB Specimen by Meshless Methods. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2633.	1.3	5
11	Using a meshless method to assess the effect of mechanical loading in angiogenesis. <i>Mathematics and Computers in Simulation</i> , 2022, 202, 421-441.	2.4	1
12	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
13	Computational simulation of cellular proliferation using a meshless method. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 224, 106974.	2.6	5
14	A Novel Robust Remeshing Finite Element Technique for Fracture Propagation. <i>International Journal of Computational Methods</i> , 2021, 18, 2050040.	0.8	2
15	Sprouting Angiogenesis: A Numerical Approach with Experimental Validation. <i>Annals of Biomedical Engineering</i> , 2021, 49, 871-884.	1.3	10
16	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
17	A meshless study of antisymmetric angle-ply laminates using high-order shear deformation theories. <i>Composite Structures</i> , 2021, 255, 112795.	3.1	4
18	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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19	Strength prediction of composite single lap joints using the radial point interpolation method. Composite Structures, 2021, 259, 113228.	3.1	3
20	Using a Meshless Method to Predict the Strength of Adhesive Single Lap Joints. , 2021, , 27-37.		0
21	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
22	Homogenizing the Elastic Properties of Composite Material Using the NNRPIM. , 2021, , 38-50.		0
23	Combining Structural Optimization Solutions Using FFF Manufacturing. Advanced Structured Materials, 2021, , 113-137.	0.3	0
24	Parametric Study of Fatigue Crack Growth in a Finite Plate. U Porto Journal of Engineering, 2021, 7, 22-30.	0.2	1
25	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
26	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
27	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
28	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
29	Study on 3D printing of gyroid-based structures for superior structural behaviour. Progress in Additive Manufacturing, 2021, 6, 689-703.	2.5	18
30	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
31	Numerical analysis of honeycomb-shaped polymeric foams using the FEM and the RPIM. Engineering Analysis With Boundary Elements, 2021, 129, 27-38.	2.0	6
32	The bending behaviour of antisymmetric cross-ply laminates using high-order shear deformation theories and a Radial Point Interpolation Method. Structures, 2021, 32, 1589-1603.	1.7	6
33	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
34	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
35	Fracture mechanics approach to stress singularities in composite adhesive joints. Composite Structures, 2021, 276, 114507.	3.1	6
36	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

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37	A new non targeted bone remodeling model combined with an interpolation meshless method. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 23-37.	2.4	2
38	The elasto-plastic analysis of 3D-printed thermoplastics using the NNRPIM and a modified hill yield criterion. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 1368-1381.	0.7	2
39	Fracture mechanics approach to stress singularity in adhesive joints. <i>International Journal of Fracture</i> , 2021, 232, 77-91.	1.1	2
40	Development of an Elasto-plastic Meshless Technique to Analyse Bonded Structures. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 57-77.	0.3	0
41	Modelling adhesively-bonded T-joints by a meshless method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1193, 012083.	0.3	0
42	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. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	5
43	Meshless and hyper-elastic implementation to analyse flexible adhesives. <i>Procedia Structural Integrity</i> , 2021, 33, 149-158.	0.3	1
44	Meshless approach to material plasticity in adhesive joints. <i>Procedia Structural Integrity</i> , 2021, 33, 126-137.	0.3	0
45	Static strength prediction of adhesive joints: A review. <i>International Journal of Adhesion and Adhesives</i> , 2020, 96, 102451.	1.4	96
46	Fracture propagation using the radial point interpolation method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 77-91.	1.7	3
47	Bone remodeling: an improved spatiotemporal mathematical model. <i>Archive of Applied Mechanics</i> , 2020, 90, 635-649.	1.2	6
48	The numerical analysis of symmetric cross-ply laminates using the natural neighbour radial point interpolation method and high-order shear deformation theories. <i>Engineering Structures</i> , 2020, 225, 111247.	2.6	4
49	A preliminary study of endothelial cell migration during angiogenesis using a meshless method approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3393.	1.0	3
50	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
51	Analyzing single-lap joints bonded with a brittle adhesive by an elastic meshless method. <i>Procedia Structural Integrity</i> , 2020, 28, 1084-1093.	0.3	2
52	Application of an enhanced homogenization technique to the structural multiscale analysis of a femur bone. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 868-878.	0.9	3
53	A New Crack Propagation Algorithm Combined with the Finite Element Method. <i>Journal of Mechanics</i> , 2020, 36, 405-422.	0.7	6
54	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

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55	Mathematical Modelling of Spatio-temporal Cell Dynamics Observed During Bone Remodelling. Lecture Notes in Computational Vision and Biomechanics, 2020, , 129-158.	0.5	0
56	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
57	Meshless, Bone Remodelling and Bone Regeneration Modelling. Lecture Notes in Computational Vision and Biomechanics, 2020, , 71-93.	0.5	0
58	A multiscale homogenization procedure combining the fabric tensor with a natural neighbour meshless method. Engineering Analysis With Boundary Elements, 2019, 100, 211-224.	2.0	5
59	The structural analysis of a femur bone using a 2D FEM approach. , 2019, , .		0
60	Biomechanical Analysis of Bone Tissue After Insertion of Dental Implants Using Meshless Methods: Stress Analysis and Osseointegration. , 2019, , 393-403.		3
61	Biomechanical Simulation of Human Chromosomes. , 2019, , .		0
62	Predicting single-lap joint strength using the natural neighbour radial point interpolation method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	18
63	Biomechanics of the Vestibular System: A Numerical Simulation. , 2019, , 21-32.		1
64	Determination of the Anisotropic Mechanical Properties of Bone Tissue Using a Homogenization Technique Combined With Meshless Methods. , 2019, , 201-213.		2
65	The numerical simulation of crack propagation using radial point interpolation meshless methods. Engineering Analysis With Boundary Elements, 2019, 109, 187-198.	2.0	23
66	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
67	A new numerical approach to mechanically analyse biological structures. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 100-111.	0.9	1
68	Fracture Analysis of Semi-circular Bend (SCB) Specimen: A Numerical Study. Structural Integrity, 2019, , 407-413.	0.8	3
69	The Elasto-plastic Analysis of Polymers Subject to Traction and Compression Using Advanced Discretization Techniques. Structural Integrity, 2019, , 401-406.	0.8	0
70	Using the finite element method and radial point interpolation method to analyze the jaw bone*. , 2019, , .		0
71	A Stress Intensity Factor Study for a Pressure Vessel CT Specimen Using Finite Element Method. Structural Integrity, 2019, , 181-186.	0.8	2
72	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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73	Numerical analysis of chitosan nerve guidance channels with different geometries. , 2019, , .		0
74	USING MESHLESS METHODS TO SIMULATE BLOOD CLOTS. , 2019, , .		1
75	Additive Manufacturing from a Biomedical Perspective. , 2019, , .		1
76	Analysing the peripheral nerve tissue using distinct discretization techniques*. , 2019, , .		0
77	Numerical simulation of aneurysms with Finite Element and Meshless Methods. , 2019, , .		2
78	Biomechanical Simulation of a Dental Implant using Finite Element Method Analysis. , 2019, , .		1
79	The Structural Analysis of a Molar Tooth Using Finite Element Method. , 2019, , .		0
80	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
81	Elastoplastic response and failure assessment of steel alloys: Empirical and computational analyses. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1247-1261.	1.7	11
82	Extending radial point interpolating meshless methods to the elasto-plastic analysis of aluminium alloys. Engineering Analysis With Boundary Elements, 2019, 100, 101-117.	2.0	33
83	Mechanical bone remodelling: Comparative study of distinct numerical approaches. Engineering Analysis With Boundary Elements, 2019, 100, 125-139.	2.0	12
84	The computational mechanical simulation of healthy and pathological red blood cells with meshless methods. , 2019, , 207-212.		0
85	Computational structural analysis of dental implants using radial point interpolation meshless methods. , 2019, , 225-230.		0
86	Application of chitosan in dentistryâ€™a review. , 2019, , 123-128.		0
87	Predicting the stress distribution in the mandible bone due to the insertion of implants: A meshless method study. , 2019, , 213-218.		0
88	The numerical analysis of 4-On-Pillars technique using meshless methods. , 2019, , 171-176.		0
89	Predicting the trabecular architecture in the vicinity of natural teeth: A comparison between finite elements and meshless methods. , 2019, , 161-166.		0
90	Using meshless methods to analyse bone remodelling after the insertion of a femoral implant. , 2019, , 189-194.		0

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91	Predicting in-silico structural response of dental restorations using meshless methods. , 2019, , 183-188.		0
92	Studying the mandible bone tissue remodelling in the vicinity of implants using a meshless method computational framework. , 2019, , 219-224.		0
93	Development of an image processing based algorithm to define trabecular bone mechanical properties using the fabric tensor concept. , 2019, , 141-146.		0
94	A brain impact stress analysis using advanced discretization meshless techniques. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 257-270.	1.0	6
95	The Mechanologic Bone Tissue Remodeling Analysis. , 2018, , 303-323.		1
96	Homogenization technique for heterogeneous composite materials using meshless methods. Engineering Analysis With Boundary Elements, 2018, 92, 73-89.	2.0	20
97	Compact tension fracture specimen: Experimental and computational implementations on stress intensity factor. Journal of Strain Analysis for Engineering Design, 2018, 53, 630-647.	1.0	20
98	A digital image correlation analysis on a sheet AA6061-T6 bi-failure specimen to predict static failure. Engineering Failure Analysis, 2018, 90, 179-196.	1.8	18
99	The free vibrations analysis of the cupula in the inner ear using a natural neighbor meshless method. Engineering Analysis With Boundary Elements, 2018, 92, 50-63.	2.0	7
100	A radial point interpolation meshless method extended with an elastic rate-independent continuum damage model for concrete materials. Mechanics of Advanced Materials and Structures, 2018, 25, 855-867.	1.5	8
101	The analysis of composite laminated beams using a 2D interpolating meshless technique. Acta Mechanica Sinica/Lixue Xuebao, 2018, 34, 99-116.	1.5	4
102	Simulating fracture propagation in brittle materials using a meshless approach. Engineering With Computers, 2018, 34, 503-522.	3.5	7
103	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
104	Modelling skin wound healing angiogenesis: A review. Journal of Theoretical Biology, 2018, 459, 1-17.	0.8	64
105	Material homogenization technique for composites: A meshless formulation. Science and Technology of Materials, 2018, 30, 50-59.	0.8	4
106	A computational framework to simulate the endolymph flow due to vestibular rehabilitation maneuvers assessed from accelerometer data. Computer Methods in Biomechanics and Biomedical Engineering, 2018, 21, 461-469.	0.9	5
107	A nonlinear simulation of a bi-failure specimen through improved discretisation methods: A validation study. Journal of Strain Analysis for Engineering Design, 2018, 53, 616-629.	1.0	6
108	A multiscale homogenization procedure using the fabric tensor concept. Science and Technology of Materials, 2018, 30, 27-34.	0.8	1

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109	Aluminum foam sandwich with adhesive bonding: Computational modeling. Journal of Adhesion, 2017, 93, 1025-1047.	1.8	2
110	A meshless approach to non-local damage modelling of concrete. Engineering Analysis With Boundary Elements, 2017, 79, 62-74.	2.0	11
111	Stress intensity factor calculation through thermoelastic stress analysis, finite element and RPIM meshless method. Engineering Fracture Mechanics, 2017, 183, 66-78.	2.0	41
112	Structural computational biomechanics with advanced discretization techniques. , 2017, , .		0
113	The computational simulation of cellular growth. , 2017, , .		0
114	Meshless analysis of 2D trabecular patches using a fabric tensor obtained from Micro-CT images. , 2017, , .		0
115	A model for bone remodeling: Cellular dynamics and mechanical loading. , 2017, , .		1
116	The free vibration computational analysis of the cupula in the inner ear. , 2017, , .		0
117	The structural analysis of chitosan tubes using meshless methods. , 2017, , .		0
118	An Elasto-plastic Analysis of a DP600 Bi-Failure Specimen: Digital Image Correlation, Finite Element and Meshless Methods. Procedia Structural Integrity, 2017, 5, 1237-1244.	0.3	7
119	On the optimal shape parameters of distinct versions of RBF meshless methods for the bending analysis of plates. Engineering Analysis With Boundary Elements, 2017, 84, 77-86.	2.0	14
120	Biomechanical Study of the Vestibular System of the Inner Ear Using a Numerical Method. Procedia IUTAM, 2017, 24, 30-37.	1.2	6
121	An Optimized RBF Analysis of an Isotropic Mindlin Plate in Bending. Procedia Structural Integrity, 2017, 5, 584-591.	0.3	3
122	A Fracture Mechanics Study of a Compact Tension Specimen: Digital Image Correlation, Finite Element and Meshless Methods. Procedia Structural Integrity, 2017, 5, 920-927.	0.3	24
123	On the Non-linear Elasto-Plastic Behavior of AA6061-T6: Experimental and Numerical Implementations. Procedia Structural Integrity, 2017, 5, 468-475.	0.3	8
124	A GTN Failure Analysis of an AA6061-T6 Bi-Failure Specimen. Procedia Structural Integrity, 2017, 5, 981-988.	0.3	11
125	The Natural Neighbor Radial Point Interpolation Method in Computational Fracture Mechanics: A 2D Preliminary Study. International Journal of Computational Methods, 2017, 14, 1750045.	0.8	9
126	The anisotropic elasto-plastic analysis using a natural neighbour RPIM version. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1773-1795.	0.8	11

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127	The numerical analysis of angled abutments using advanced discretization techniques. , 2017, , 65-69.		0
128	Micro-CT images for mechanical simulation geometrical models using advanced discretisation techniques. , 2017, , 45-52.		0
129	Meshless methods in oral biomechanics. , 2017, , 29-34.		0
130	Stress analysis of 3D trabecular patches: A computational study. , 2017, , 35-44.		0
131	The analysis of laminated plates using distinct advanced discretization meshless techniques. Composite Structures, 2016, 143, 165-179.	3.1	57
132	Extending a radial point interpolation meshless method to non-local constitutive damage models. Theoretical and Applied Fracture Mechanics, 2016, 85, 84-98.	2.1	18
133	A meshless method in the non-local constitutive damage models. Procedia Structural Integrity, 2016, 1, 226-233.	0.3	6
134	Vibration analysis of laminated soft core sandwich plates with piezoelectric sensors and actuators. Composite Structures, 2016, 151, 91-98.	3.1	53
135	The Natural Neighbor Radial Point Interpolation Method Extended to the Crack Growth Simulation. International Journal of Applied Mechanics, 2016, 08, 1650006.	1.3	26
136	The analysis of the bone remodelling around femoral stems: A meshless approach. Mathematics and Computers in Simulation, 2016, 121, 64-94.	2.4	16
137	Numerical analysis of dental implants using a new advanced discretization technique. Mechanics of Advanced Materials and Structures, 2016, 23, 467-479.	1.5	12
138	The Meshless Methods in the Bone Tissue Remodelling Analysis. Procedia Engineering, 2015, 110, 51-58.	1.2	16
139	An elasto-plastic model to analyse the biomechanical behaviour of the atherosclerotic plaque tissue. , 2015, , .		1
140	Numerical simulation of the maneuvers performed in vestibular rehabilitation. , 2015, , .		0
141	The Axisymmetric Analysis of Circular Plates Using the Radial Point Interpolation Method. International Journal for Computational Methods in Engineering Science and Mechanics, 2015, 16, 336-353.	1.4	19
142	The Elasto-plastic Response of the Bone Tissue Due to the Insertion of Dental Implants. Procedia Engineering, 2015, 110, 37-44.	1.2	12
143	Crack path prediction using the natural neighbour radial point interpolation method. Engineering Analysis With Boundary Elements, 2015, 59, 144-158.	2.0	29
144	The numerical analysis of a restored tooth using meshless methods. , 2015, , .		1

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145	The osteointegration numerical prediction of a femur stem using a meshless approach. , 2015, , .		1
146	THE MANDIBLE REMODELING INDUCED BY DENTAL IMPLANTS: A MESHLESS APPROACH. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550059.	0.3	17
147	Development of a universal surgical guide to perform low invasive knee surgeries. , 2015, , .		0
148	Meshless Methods in Biomechanics. Lecture Notes in Computational Vision and Biomechanics, 2014, , .	0.5	54
149	Bone Tissue Remodelling Analysis. Lecture Notes in Computational Vision and Biomechanics, 2014, , 251-316.	0.5	6
150	Meshless Methods Introduction. Lecture Notes in Computational Vision and Biomechanics, 2014, , 41-87.	0.5	2
151	Shape Functions. Lecture Notes in Computational Vision and Biomechanics, 2014, , 89-151.	0.5	0
152	Bone Tissue. Lecture Notes in Computational Vision and Biomechanics, 2014, , 221-249.	0.5	0
153	A Global Numerical analysis of the "central incisor/local maxillary bone" system using a meshless method. MCB Molecular and Cellular Biomechanics, 2014, 11, 151-84.	0.3	6
154	The natural radial element method. International Journal for Numerical Methods in Engineering, 2013, 93, 1286-1313.	1.5	54
155	Analysis of thick plates by the natural radial element method. International Journal of Mechanical Sciences, 2013, 76, 33-48.	3.6	51
156	Composite laminated plate analysis using the natural radial element method. Composite Structures, 2013, 103, 50-67.	3.1	49
157	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
158	Bone tissue remodelling analysis considering a radial point interpolator meshless method. Engineering Analysis With Boundary Elements, 2012, 36, 1660-1670.	2.0	55
159	Static and dynamic analysis of laminated plates based on an unconstrained third order theory and using a radial point interpolator meshless method. Computers and Structures, 2011, 89, 1771-1784.	2.4	33
160	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
161	The Natural Neighbour Radial Point Interpolation Meshless Method Applied to the Non-Linear Analysis. , 2011, , .		2
162	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

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163	Composite Laminated Plates: A 3D Natural Neighbor Radial Point Interpolation Method Approach. Journal of Sandwich Structures and Materials, 2010, 12, 119-138.	2.0	27
164	An Unconstrained Third-Order Plate Theory Applied to Functionally Graded Plates Using a Meshless Method. Mechanics of Advanced Materials and Structures, 2010, 17, 108-133.	1.5	31
165	The natural neighbour radial point interpolation method: dynamic applications. Engineering Computations, 2009, 26, 911-949.	0.7	37
166	The Radial Natural Neighbours Interpolators Extended to Elastoplasticity. , 2009, , 175-198.		12
167	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
168	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
169	Nonlinear analysis of plates and laminates using the element free Galerkin method. Composite Structures, 2007, 78, 337-350.	3.1	51
170	Elasto-Plastic analysis of plates by the element free Galerkin method. Engineering Computations, 2006, 23, 525-551.	0.7	27
171	Analysis of plates and laminates using the element-free Galerkin method. Computers and Structures, 2006, 84, 1547-1559.	2.4	72
172	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
173	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
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