R D S G Campilho

List of Publications by Year
in descending order

273 papers	7,248 citations	66250 44 h-index	81351 76 g-index
277 all docs	277 docs citations	277 times ranked	2563 citing authors

#	Article	IF	Citations
1	Cohesive zone parametric analysis in the tensile impact strength of tubular adhesive joints. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 26-37.	1.4	1
2	Experimental and cohesive zone modelling study on composite joining by co-curing and adhesive bonding for sheet moulding compound or carbon-fibre prepreg laminates. Journal of Adhesion Science and Technology, 2023, 37, 1593-1613.	1.4	1
3	Advanced numerical methods for the strength prediction of hybrid adhesively bonded T-peel joints. Journal of Adhesion, 2022, 98, 154-179.	1.8	1
4	Elasto-plastic adhesive joint design approach by a radial point interpolation meshless method. Journal of Adhesion, 2022, 98, 2396-2422.	1.8	4
5	Geometry and adhesive optimization of single-lap adhesive joints under impact. Journal of Adhesion, 2022, 98, 677-703.	1.8	12
6	Meshless analysis of the stress singularity in composite adhesive joints. Composite Structures, 2022, 280, 114910.	3.1	4
7	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
8	Topology optimization of light structures using the natural neighbour radial point interpolation method. Meccanica, 2022, 57, 659-676.	1.2	0
9	The Radial Point Interpolation Method combined with a bi-directional structural topology optimization algorithm. Engineering With Computers, 2022, 38, 5137-5151.	3.5	2
10	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
11	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
12	Analysis of stress singularity in adhesive joints using meshless methods. Engineering Analysis With Boundary Elements, 2022, 137, 29-40.	2.0	7
13	A New Concept of Jig Rotary Holder System for 3-Axis CNC Milling Machine Operated by the Main Machine Control. Journal of Testing and Evaluation, 2022, 50, 2295-2309.	0.4	1
14	Design of a transfer system for the automotive industry. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 2044-2055.	1.4	2
15	Application of a Design for Excellence Methodology for a Wireless Charger Housing in Underwater Environments. Machines, 2022, 10, 232.	1.2	3
16	Robotized cell design for part assembly in the automotive industry. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8807-8822.	1.1	2
17	A new approach to increase the environmental sustainability of the discharging process in the over-injection of conduits for bowden cables using automation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8823-8833.	1.1	2
18	Developing a Novel Fully Automated Concept to Produce Bowden Cables for the Automotive Industry. Machines, 2022, 10, 290.	1.2	3

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19	Adhesively-bonded T-joint cohesive zone analysis using dual-adhesives. Procedia Structural Integrity, 2022, 41, 24-35.	0.3	4
20	Design and validation of mixed-mode device for fracture toughness analysis of adhesive joints. Procedia Structural Integrity, 2022, 41, 48-59.	0.3	1
21	Validation of theoretical models for the strength prediction of tubular adhesive joints. Procedia Structural Integrity, 2022, 41, 60-71.	0.3	1
22	Cohesive zone parameter influence on the impact strength of composite adhesive joints. Procedia Structural Integrity, 2022, 41, 14-23.	0.3	1
23	Cohesive zone analysis of torsional tubular joints with an epoxy adhesive. Procedia Structural Integrity, 2022, 41, 72-81.	0.3	0
24	Numerical evaluation of tensile-loaded tubular scarf adhesive joints. Procedia Structural Integrity, 2022, 41, 36-47.	0.3	1
25	Wear Behavior of Coated Tools When Milling S32101 Duplex Stainless Steel. , 2022, 8, .		1
26	Case-based product development of a high-pressure die casting injection subset using design science research. FME Transactions, 2022, 50, 32-45.	0.7	2
27	Numerical analysis of the dynamic behaviour of adhesive joints: A review. International Journal of Adhesion and Adhesives, 2022, 118, 103219.	1.4	11
28	A new concept of full-automated equipment for the manufacture of shirt collars and cuffs. Robotics and Computer-Integrated Manufacturing, 2021, 67, 102023.	6.1	10
29	A Novel Robust Remeshing Finite Element Technique for Fracture Propagation. International Journal of Computational Methods, 2021, 18, 2050040.	0.8	2
30	Material non-linearity in the numerical analysis of SLJ bonded with ductile adhesives: A meshless approach. International Journal of Adhesion and Adhesives, 2021, 104, 102716.	1.4	14
31	Strength prediction of composite single lap joints using the radial point interpolation method. Composite Structures, 2021, 259, 113228.	3.1	3
32	Using a Meshless Method to Predict the Strength of Adhesive Single Lap Joints. , 2021, , 27-37.		0
33	Parametric Study of Fatigue Crack Growth in a Finite Plate. U Porto Journal of Engineering, 2021, 7, 22-30.	0.2	1
34	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
35	A model for productivity improvement on machining of components for stamping dies. International Journal of Industrial Engineering and Management, 2021, 12, 85-102.	1.0	2
36	Analytical Equations Applied to the Study of Steel Profiles under Fire According to Different Nominal Temperature-Time Curves. Mathematical and Computational Applications, 2021, 26, 48.	0.7	5

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37	XFEM and CZM modeling to predict the repair damage by composite patch of aircraft structures: Debonding parameters. Composite Structures, 2021, 266, 113805.	3.1	15
38	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
39	A Novel Automated System for the Handling of Car Seat Wires on Plastic Over-Injection Molding Machines. Machines, 2021, 9, 141.	1.2	12
40	Fracture mechanics approach to stress singularities in composite adhesive joints. Composite Structures, 2021, 276, 114507.	3.1	6
41	Fracture mechanics approach to stress singularity in adhesive joints. International Journal of Fracture, 2021, 232, 77-91.	1.1	2
42	Numerical validation of cohesive laws for adhesive layers with varying thickness in bonded structures. Procedia Manufacturing, 2021, 55, 213-220.	1.9	1
43	Design of a thermoplastic micro over injection machine for the automotive component industry. Procedia Manufacturing, 2021, 55, 56-63.	1.9	2
44	Development of an Elasto-plastic Meshless Technique to Analyse Bonded Structures. Lecture Notes in Mechanical Engineering, 2021, , 57-77.	0.3	0
45	Composite stepped-lap adhesive joint analysis by cohesive zone modelling. Procedia Structural Integrity, 2021, 33, 665-672.	0.3	4
46	Modelling adhesively-bonded T-joints by a meshless method. IOP Conference Series: Materials Science and Engineering, 2021, 1193, 012083.	0.3	0
47	Increasing the Environmental Sustainability of an Over-Injection Line for the Automotive Component Industry. Sustainability, 2021, 13, 12692.	1.6	3
48	Improving the design of nozzles used in zamak high-pressure die-casting process. FME Transactions, 2021, 49, 1005-1013.	0.7	2
49	Impact loading analysis of tubular adhesive joints. Procedia Structural Integrity, 2021, 33, 138-148.	0.3	0
50	Meshless and hyper-elastic implementation to analyse flexible adhesives. Procedia Structural Integrity, 2021, 33, 149-158.	0.3	1
51	Numerical analysis by XFEM of hybrid T-peel joints. Procedia Structural Integrity, 2021, 33, 673-684.	0.3	1
52	Meshless approach to material plasticity in adhesive joints. Procedia Structural Integrity, 2021, 33, 126-137.	0.3	0
53	Numerical analysis of geometrical modification combinations of the tensile strength of tubular adhesive joints. Procedia Structural Integrity, 2021, 33, 115-125.	0.3	1
54	Three-dimensional numerical analysis of tubular adhesive joints under torsional loads. IOP Conference Series: Materials Science and Engineering, 2021, 1193, 012082.	0.3	1

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55	Development of a Novel Design Strategy for Moving Mechanisms Used in Multi-Material Plastic Injection Molds. Applied Sciences (Switzerland), 2021, 11, 11805.	1.3	3
56	J-integral analysis of the mixed-mode fracture behaviour of composite bonded joints. Journal of Adhesion, 2020, 96, 321-344.	1.8	4
57	Adhesive thickness effects on the mixed-mode fracture toughness of bonded joints. Journal of Adhesion, 2020, 96, 300-320.	1.8	13
58	Static strength prediction of adhesive joints: A review. International Journal of Adhesion and Adhesives, 2020, 96, 102451.	1.4	96
59	Fracture propagation using the radial point interpolation method. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 77-91.	1.7	3
60	Geometrical optimization of adhesive joints under tensile impact loads using cohesive zone modelling. International Journal of Adhesion and Adhesives, 2020, 97, 102492.	1.4	18
61	Numerical study of mode I fracture toughness of carbon-fibre-reinforced plastic under an impact load. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 12-20.	0.7	2
62	Development of a suitable project management approach for projects with parallel planning and execution. Procedia Manufacturing, 2020, 51, 1544-1550.	1.9	6
63	A new structural two-component epoxy adhesive: Strength and fracture characterization. Procedia Manufacturing, 2020, 51, 771-778.	1.9	4
64	Parametric study of composite curved adhesive joints. International Journal of Advanced Manufacturing Technology, 2020, 111, 2957-2970.	1.5	6
65	Strength prediction and stress analysis of adhesively bonded composite joints using meshless methods. Procedia Manufacturing, 2020, 51, 904-911.	1.9	3
66	SMED methodology applied to the deep drawing process in the automotive industry. Procedia Manufacturing, 2020, 51, 1416-1422.	1.9	15
67	Analyzing single-lap joints bonded with a brittle adhesive by an elastic meshless method. Procedia Structural Integrity, 2020, 28, 1084-1093.	0.3	2
68	Study of the kinematics of a high-course steering system. Procedia Manufacturing, 2020, 51, 164-170.	1.9	0
69	Guidelines for Machine Tool Sensing and Smart Manufacturing Integration. Procedia Manufacturing, 2020, 51, 251-257.	1.9	5
70	A new concept of automated manufacturing process for wire rope terminals. Procedia Manufacturing, 2020, 51, 431-437.	1.9	10
71	A novel concept of Bowden cables flexible and full-automated manufacturing process improving quality and productivity. Procedia Manufacturing, 2020, 51, 438-445.	1.9	8
72	A Novel Modular Design of an Equipment to Produce â€œTâ€•Profiles by Laser Welding. Procedia Manufacturing, 2020, 51, 446-453.	1.9	2

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73	3D finite element analysis and optimization of cap ply production system in the tire industry. Procedia Manufacturing, 2020, 51, 763-770.	1.9	0
74	Evaluation of T-joints in aluminium structures under different geometries. Procedia Manufacturing, 2020, 51, 848-855.	1.9	0
75	Numerical simulation of adhesively-bonded T-stiffeners by cohesive zone models. Procedia Manufacturing, 2020, 51, 870-877.	1.9	5
76	Studying the ZnO formation in coated steel wire ropes for the automotive industry. Procedia Manufacturing, 2020, 51, 912-919.	1.9	5
77	A novel computer application for scrap reporting and data management in the manufacturing of components for the automotive industry. Procedia Manufacturing, 2020, 51, 1319-1326.	1.9	5
78	Applying DMADV on the industrialization of updated components in the automotive sector: a case study. Procedia Manufacturing, 2020, 51, 1332-1339.	1.9	9
79	A novel approach to improve maintenance operations. Procedia Manufacturing, 2020, 51, 1531-1537.	1.9	4
80	How can technology on the automotive industry save the future?. Procedia Manufacturing, 2020, 51, 1763-1772.	1.9	3
81	Robotized solution for handling complex automotive parts in inspection and packing. Procedia Manufacturing, 2020, 51, 156-163.	1.9	11
82	Improving Preventive Maintenance Management in an Energy Solutions Company. Procedia Manufacturing, 2020, 51, 1551-1558.	1.9	5
83	Mixed-mode fracture toughness of a structural adhesive by the single-leg bending test. Procedia Structural Integrity, 2020, 25, 63-70.	0.3	0
84	Material and adhesive effect in adhesively-bonded composite stepped-lap joints. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1967-1979.	0.7	5
85	Experimental and numerical analysis of dual-adhesive stepped-lap aluminum joints. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 454-464.	1.4	7
86	Numerical modelling and experimental validation of step bonded joints. Procedia Structural Integrity, 2020, 25, 71-78.	0.3	1
87	A New Crack Propagation Algorithm Combined with the Finite Element Method. Journal of Mechanics, 2020, 36, 405-422.	0.7	6
88	Single lap joint strength prediction using the radial point interpolation method and the critical longitudinal strain criterion. Engineering Analysis With Boundary Elements, 2020, 113, 268-276.	2.0	15
89	Bonded structures improvement by the dual adhesive technique. Procedia Structural Integrity, 2020, 28, 1116-1124.	0.3	4
90	Mixed-mode evaluation of ductile adhesive joints by the single-leg bending test. Procedia Structural Integrity, 2020, 28, 1106-1115.	0.3	0

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91	Easy Trends to Analyse Structural Profiles: Lumped Capacitance Vs Simplified Equation. International Journal of Safety and Security Engineering, 2020, 10, 625-629.	0.5	2
92	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
93	The numerical simulation of crack propagation using radial point interpolation meshless methods. Engineering Analysis With Boundary Elements, 2019, 109, 187-198.	2.0	23
94	Dynamic behaviour in mode I fracture toughness of CFRP as a function of temperature. Theoretical and Applied Fracture Mechanics, 2019, 103, 102257.	2.1	18
95	Adhesive joint analysis under tensile impact loads by cohesive zone modelling. Composite Structures, 2019, 222, 110894.	3.1	30
96	Intralogistics and industry 4.0: designing a novel shuttle with picking system. Procedia Manufacturing, 2019, 38, 1801-1832.	1.9	10
97	Improvement and validation of Zamak die casting moulds. Procedia Manufacturing, 2019, 38, 1547-1557.	1.9	14
98	Influence of the natural additive on natural fiber reinforced thermoplastic composite. Procedia Manufacturing, 2019, 38, 1121-1129.	1.9	7
99	Asset Priority Setting for Maintenance Management in the Food Industry. Procedia Manufacturing, 2019, 38, 1623-1633.	1.9	11
100	Process improvement in the metallic mesh cutting operation associated to tire manufacturing. Procedia Manufacturing, 2019, 38, 924-931.	1.9	2
101	Comparison of different test configurations for the shear fracture toughness evaluation of a ductile adhesive. Procedia Manufacturing, 2019, 38, 940-947.	1.9	5
102	A novel concept of a conduit transport system. Procedia Manufacturing, 2019, 38, 848-857.	1.9	10
103	Design of a modular solution for an autonomous vehicle for cargo transport and handling. Procedia Manufacturing, 2019, 38, 991-999.	1.9	4
104	Effect of material hybridization on the strength of scarf adhesive joints. Procedia Manufacturing, 2019, 38, 1244-1251.	1.9	3
105	Design of automated equipment for the assembly of automotive parts. Procedia Manufacturing, 2019, 38, 1316-1323.	1.9	6
106	Modelling of tubular adhesively-bonded joints by the Extended Finite Element Method. Procedia Manufacturing, 2019, 41, 484-491.	1.9	2
107	Impact modelling of single-lap bonded joints by cohesive zone models. Procedia Manufacturing, 2019, 41, 34-41.	1.9	2
108	Static strength improvement of tubular aluminium adhesive joints by the outer chamfering technique. Procedia Manufacturing, 2019, 38, 629-636.	1.9	0

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109	Designing a Novel System for the Introduction of Lubricant in Control Cables for the Automotive Industry. Procedia Manufacturing, 2019, 38, 715-725.	1.9	9
110	Reduction of scrap percentage of cast parts by optimizing the process parameters. Procedia Manufacturing, 2019, 38, 1050-1057.	1.9	8
111	Designing a novel and greener truck asphalt container. Procedia Manufacturing, 2019, 38, 324-332.	1.9	5
112	A Strategic Model to take the First Step Towards Industry 4.0 in SMEs. Procedia Manufacturing, 2019, 38, 637-645.	1.9	24
113	Continuous improvement in maintenance: a case study in the automotive industry involving Lean tools. Procedia Manufacturing, 2019, 38, 1582-1591.	1.9	28
114	Comparative evaluation of adhesively-bonded single-lap and stepped-lap joints. Procedia Manufacturing, 2019, 38, 1189-1196.	1.9	6
115	Eco-Design and Sustainability in Packaging: A Survey. Procedia Manufacturing, 2019, 38, 1741-1749.	1.9	12
116	Analysis and Improvement of an Assembly Line in the Automotive Industry. Procedia Manufacturing, 2019, 38, 1444-1452.	1.9	16
117	Fracture envelope estimation of a structural adhesive by dedicated fracture tests. Procedia Manufacturing, 2019, 38, 1252-1259.	1.9	2
118	Comparative evaluation of different fracture tests for the tensile fracture toughness of a ductile adhesive. Procedia Manufacturing, 2019, 38, 1268-1275.	1.9	0
119	Influence of textile cord tension in cap ply production. Procedia Manufacturing, 2019, 38, 1766-1774.	1.9	5
120	Evaluation of the extended finite element method for the analysis of bonded joints with different geometries. Procedia Manufacturing, 2019, 38, 264-271.	1.9	3
121	Improving In-Plant Logistics Flow by Physical and Digital Pathways. Procedia Manufacturing, 2019, 38, 965-974.	1.9	4
122	A novel concept of bent wires sorting operation between workstations in the production of automotive parts. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	24
123	Extended finite element modelling of aluminium stepped-adhesive joints. Journal of Adhesion, 2019, 95, 450-473.	1.8	8
124	Geometrical and material optimization of tensile loaded tubular adhesive joints using cohesive zone modelling. Journal of Adhesion, 2019, 95, 425-449.	1.8	12
125	Accuracy of cohesive laws with different shape for the shear behaviour prediction of bonded joints. Journal of Adhesion, 2019, 95, 325-347.	1.8	10
126	Advanced Numerical Models for Predicting the Load and Environmentally Dependent Behaviour of Adhesives and Adhesively Bonded Joints. Advanced Structured Materials, 2019, , 211-244.	0.3	2

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127	Evaluation of Mixed-Mode Fracture in Adhesively-Bonded Joints. Lecture Notes in Electrical Engineering, 2019, , 450-455.	0.3	1
128	Rethinking modular jigsâ€™ design regarding the optimization of machining times. Procedia Manufacturing, 2019, 38, 876-883.	1.9	8
129	Improving the Cut Surface Quality by Optimizing Parameters in the Fibre Laser Cutting Process. Procedia Manufacturing, 2019, 38, 1111-1120.	1.9	9
130	Extended Finite Element Modelling of Adhesive Joints Under Peel Loads. Annals of Dunarea De Jos University of Galati, Fascicle Xii, Welding Equipment and Technology, 2019, 30, 13-20.	0.2	0
131	Adhesive thickness influence on the shear fracture toughness measurements of adhesive joints. International Journal of Adhesion and Adhesives, 2018, 83, 15-23.	1.4	34
132	Numerical evaluation of the ENF and 4ENF tests for the shear toughness estimation of adhesive joints. Composite Structures, 2018, 202, 333-343.	3.1	21
133	Numerical assessment of the Double-Cantilever Beam and Tapered Double-Cantilever Beam tests for the GIC determination of adhesive layers. Journal of Adhesion, 2018, 94, 951-973.	1.8	14
134	Comparison between the ENF and 4ENF fracture characterization tests to evaluateG_{IIC}of bonded aluminium joints. Journal of Adhesion, 2018, 94, 910-931.	1.8	12
135	A cohesive zone element for mode I modelling of adhesives degraded by humidity and fatigue. International Journal of Fatigue, 2018, 112, 173-182.	2.8	37
136	Effect of humidity on the mechanical properties of adhesively bonded aluminium joints. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 733-742.	0.7	9
137	Strength prediction of T-peel joints by a hybrid spot-welding/adhesive bonding technique. Journal of Adhesion, 2018, 94, 181-198.	1.8	5
138	Strength estimation of hybrid single-L bonded joints by the eXtended Finite Element Method. Composite Structures, 2018, 183, 397-406.	3.1	14
139	How to solve quality problems by advanced fully-automated manufacturing systems. International Journal of Advanced Manufacturing Technology, 2018, 94, 3041-3063.	1.5	50
140	Evaluation of different modelling conditions in the cohesive zone analysis of single-lap bonded joints. Journal of Adhesion, 2018, 94, 562-582.	1.8	59
141	Application a direct/cohesive zone method for the evaluation of scarf adhesive joints. Applied Adhesion Science, 2018, 6, .	1.5	17
142	Comparison of different adhesively-bonded joint types for mechanical structures. Applied Adhesion Science, 2018, 6, .	1.5	26
143	A Novel Approach to Optimize the Design of Parts for Additive Manufacturing. Procedia Manufacturing, 2018, 17, 53-61.	1.9	17
144	Designing a Novel Feeding System for CNC Turning Machines. Procedia Manufacturing, 2018, 17, 1144-1153.	1.9	6

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145	The Improvement of an APEX Machine involved in the Tire Manufacturing Process. Procedia Manufacturing, 2018, 17, 571-578.	1.9	31
146	Experimental and numerical analysis of scarf aluminum adhesive joints. Procedia Manufacturing, 2018, 17, 705-712.	1.9	2
147	Development of a numerical methodology for strength prediction of weld-bonded joints. Procedia Manufacturing, 2018, 17, 713-720.	1.9	1
148	Comparison of different adhesively-bonded joint configurations for mechanical structures. Procedia Manufacturing, 2018, 17, 721-728.	1.9	4
149	Design of a novel equipment for automated clothing manufacturing. Procedia Manufacturing, 2018, 17, 766-773.	1.9	4
150	Injection mold design for a plastic component with blowing agent. Procedia Manufacturing, 2018, 17, 774-782.	1.9	13
151	Crack growth analysis of adhesively-bonded stepped joints in aluminium structures. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	14
152	Experimental and numerical analysis of the fracture envelope of composite adhesive joints. Science and Technology of Materials, 2018, 30, 131-137.	0.8	3
153	Mixed-mode fracture analysis of adhesively-bonded joints using the ATDCB test specimen. International Journal of Adhesion and Adhesives, 2018, 85, 58-68.	1.4	15
154	Experimental and numerical analysis of hybrid adhesively-bonded scarf joints. International Journal of Adhesion and Adhesives, 2018, 83, 87-95.	1.4	40
155	Validation of a direct method to predict the strength of adhesively bonded joints. Science and Technology of Materials, 2018, 30, 138-143.	0.8	3
156	Design Rules and Methods to Improve Joint Strength. , 2018, , 773-810.		7
157	Environmental effect on the fatigue degradation of adhesive joints: A review. Journal of Adhesion, 2017, 93, 127-146.	1.8	86
158	Testing different cohesive law shapes to predict damage growth in bonded joints loaded in pure tension. Journal of Adhesion, 2017, 93, 57-76.	1.8	40
159	Analysis of adhesively-bonded T-joints by experimentation and cohesive zone models. Journal of Adhesion Science and Technology, 2017, 31, 1998-2014.	1.4	20
160	Mode II fracture toughness of CFRP as a function of temperature and strain rate. Composites Part B: Engineering, 2017, 114, 311-318.	5.9	67
161	A novel concept of agile assembly machine for sets applied in the automotive industry. International Journal of Advanced Manufacturing Technology, 2017, 91, 4043-4054.	1.5	54
162	Numerical modelling of adhesively-bonded double-lap joints by the eXtended Finite Element Method. Finite Elements in Analysis and Design, 2017, 133, 1-9.	1.7	28

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163	Fracture toughness in Mode I (G_{IC}) for ductile adhesives. Journal of Physics: Conference Series, 2017, 843, 012008.	0.3	4
164	Validation of pure tensile and shear cohesive laws obtained by the direct method with single-lap joints. International Journal of Adhesion and Adhesives, 2017, 77, 41-50.	1.4	36
165	Mode I fracture toughness of CFRP as a function of temperature and strain rate. Journal of Composite Materials, 2017, 51, 3315-3326.	1.2	52
166	Strength and failure modes of single- L adhesive joints between aluminium and composites. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e114-e118.	0.5	4
167	Mixed-mode fracture analysis of composite bonded joints considering adhesives of different ductility. International Journal of Fracture, 2017, 207, 55-71.	1.1	21
168	Shear cohesive law estimation of adhesive layers by digital image correlation. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e119-e123.	0.5	0
169	Shear fracture toughness and cohesive laws of adhesively-bonded joints. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e124-e129.	0.5	1
170	Solving Quality Problems in Tyre Production Preparation Process: A Practical Approach. Procedia Manufacturing, 2017, 11, 1239-1246.	1.9	33
171	A Novel Concept of Production and Assembly Processes Integration. Procedia Manufacturing, 2017, 11, 1385-1395.	1.9	37
172	Optimising a Specific Tool for Electrical Terminals Crimping Process. Procedia Manufacturing, 2017, 11, 1438-1447.	1.9	10
173	Validation of advanced numerical techniques for the strength prediction of adhesively-bonded joints. Procedia Manufacturing, 2017, 13, 43-50.	1.9	1
174	Experimental and numerical analysis of adhesively-bonded T joints under peel loads. Procedia Manufacturing, 2017, 13, 51-58.	1.9	5
175	Detailed investigation of the analysis conditions in the evaluation of bonded joints by cohesive zone models. Journal of Physics: Conference Series, 2017, 843, 012002.	0.3	2
176	A novel dynamic holding system for thin metal plate shearing machines. Robotics and Computer-Integrated Manufacturing, 2017, 44, 242-252.	6.1	10
177	Overview of different strength prediction techniques for single-lap bonded joints. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 210-223.	0.7	27
178	Manufacturing cushions and suspension mats for vehicle seats: a novel cell concept. International Journal of Advanced Manufacturing Technology, 2017, 90, 1539-1545.	1.5	49
179	Effect of material on the mechanical behaviour of adhesive joints for the automotive industry. Journal of Adhesion Science and Technology, 2017, 31, 663-676.	1.4	47
180	Design Rules and Methods to Improve Joint Strength. , 2017, , 1-39.		0

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181	eXtended Finite Element Method applied to the strength prediction of adhesively-bonded joints. Journal of Physics: Conference Series, 2017, 843, 012003.	0.3	0
182	Effect of Humidity on The Fatigue Behaviour of Adhesively Bonded Aluminium Joints. Latin American Journal of Solids and Structures, 2017, 14, 174-187.	0.6	18
183	Analytical Modelling for the Single-Lap Joint. , 2017, , 8-46.		4
184	Strength and Fracture Characterization of a Novel Polyurethane Adhesive for the Automotive Industry. Journal of Testing and Evaluation, 2017, 45, 398-407.	0.4	59
185	Application of the direct method for cohesive law estimation applied to the strength prediction of double-lap joints. Theoretical and Applied Fracture Mechanics, 2016, 85, 140-148.	2.1	32
186	Strength and damage growth in composite bonded joints with defects. Composites Part B: Engineering, 2016, 100, 91-100.	5.9	59
187	Numerical evaluation of dissimilar cohesive models to predict the behavior of Double-Cantilever Beam specimens. Procedia Structural Integrity, 2016, 1, 42-49.	0.3	7
188	Geometrical study of mixed adhesive joints for high-temperature applications. Journal of Adhesion Science and Technology, 2016, 30, 691-707.	1.4	17
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