

Lucas Da Silva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

401
papers

11,930
citations

59
h-index

96
g-index

481
ext. papers

13,770
ext. citations

2.7
avg, IF

7.1
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 401 | Numerical Simulation. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 67-88 | 0.4 | |
| 400 | Cohesive Zone Modelling-CZM. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 19-42 | 0.4 | 1 |
| 399 | Fatigue Degradation Models. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 43-66 | 0.4 | |
| 398 | Quasi-static and intermediate test speed validation of SHPB specimens for the determination of mode I, mode II fracture toughness of structural epoxy adhesives. <i>Engineering Fracture Mechanics</i> , 2022 , 262, 108231 | 4.2 | 3 |
| 397 | A review on bi-adhesive joints: Benefits and challenges. <i>International Journal of Adhesion and Adhesives</i> , 2022 , 114, 103098 | 3.4 | 2 |
| 396 | The joint strength of hybrid composite joints reinforced with different laminates materials. <i>Journal of Advanced Joining Processes</i> , 2022 , 5, 100103 | 2.1 | 2 |
| 395 | Investigation of the mechanical performance of hybrid bolted-bonded joints subjected to different ageing conditions: Effect of geometrical parameters and bolt size. <i>Journal of Advanced Joining Processes</i> , 2022 , 5, 100098 | 2.1 | 2 |
| 394 | Investigating on the influence of multi-walled carbon nanotube and graphene nanoplatelet additives on residual strength of bonded joints subjected to partial fatigue loading. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52069 | 2.9 | 8 |
| 393 | Replacing welding with adhesive bonding: An industrial case study. <i>International Journal of Adhesion and Adhesives</i> , 2022 , 113, 103064 | 3.4 | 5 |
| 392 | Study of the Permeation to Ethylene Glycol in Flexible Tubular Adhesive Joints. <i>Journal of Testing and Evaluation</i> , 2022 , 50, 20210270 | 1 | |
| 391 | Assessment of the creep life of adhesively bonded joints using the end notched flexure samples. <i>Engineering Failure Analysis</i> , 2022 , 133, 105969 | 3.2 | 1 |
| 390 | Numerical optimisation of bonded joints for the manufacture of edge milling tools. <i>Engineering Failure Analysis</i> , 2022 , 134, 106012 | 3.2 | 1 |
| 389 | Development of a Split Hopkinson Pressure Bar Machine for High Strain Rate Testing of Bonded Joints. <i>Journal of Testing and Evaluation</i> , 2022 , 50, 20200677 | 1 | 1 |
| 388 | Experimental study on aluminium to tungsten carbide/polycrystalline diamond (WC/PCD) adhesive bonding for milling tools. <i>International Journal of Adhesion and Adhesives</i> , 2022 , 114, 103121 | 3.4 | 2 |
| 387 | A customized shear traction separation law for cohesive zone modelling of creep loaded ENF adhesive joints. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 119, 103336 | 3.7 | 0 |
| 386 | A comprehensive review on structural joining techniques in the marine industry. <i>Composite Structures</i> , 2022 , 289, 115490 | 5.3 | 5 |
| 385 | The influence of humidity and immersion temperature on the properties and failure mode of PBT-GF30/silicone bonded joints. <i>Composite Structures</i> , 2022 , 289, 115421 | 5.3 | 2 |

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| 384 | The influence of interfacial failure on the tensile S _N response of aged Arcan joints. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51991 | 2.9 | 2 |
| 383 | The influence of cyclic ageing on the fatigue performance of bonded joints. <i>International Journal of Fatigue</i> , 2022 , 106939 | 5 | 1 |
| 382 | Characterization of the Effect of Hollow Glass Beads on the Mechanical Properties of Structural Adhesives. <i>Materials</i> , 2022 , 15, 3817 | 3.5 | 0 |
| 381 | Multiaxial Fatigue Life Assessment of Adhesive Joints Based on the Concepts of Critical Planes: Stress-Based Approaches. <i>Proceedings in Engineering Mechanics</i> , 2021 , 153-169 | | |
| 380 | Development of a Drop Weight Machine for Adhesive Joint Testing. <i>Journal of Testing and Evaluation</i> , 2021 , 49, 20190147 | 1 | 5 |
| 379 | Techniques for the Mechanical Characterization and Numerical Modelling of Bonded Automotive Structures Under Impact Loads. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 79-106 | 0.4 | |
| 378 | Experimental Study of the Impact of Glass Beads on Adhesive Joint Strength and Its Failure Mechanism. <i>Materials</i> , 2021 , 14, | 3.5 | 1 |
| 377 | Mode II fracture energy of laminated composites enhanced with micro-cork particles. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021 , 43, 1 | 2 | 1 |
| 376 | The effect of prior adhesive bonding on the corrosion behavior of AA2024 FSWed single lap joints. <i>Mechanics of Materials</i> , 2021 , 104122 | 3.3 | 0 |
| 375 | Processing of Al-Cu-Mg alloy by FSSP: Parametric analysis and the effect of cooling environment on microstructure evolution. <i>Materials Letters</i> , 2021 , 131157 | 3.3 | 2 |
| 374 | An experimental investigation on low-cycle fatigue behavior of GO-NH ₂ -reinforced epoxy adhesive. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 763-776 | 1.3 | |
| 373 | Novel Torsion Machine to Test Adhesive Joints. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 31-56 | 0.4 | 1 |
| 372 | Effect of Water Ingress on the Mechanical and Chemical Properties of Polybutylene Terephthalate Reinforced with Glass Fibers. <i>Materials</i> , 2021 , 14, | 3.5 | 12 |
| 371 | Functionally graded adhesive joints under impact loads. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021 , 235, 3270-3281 | 1.4 | 2 |
| 370 | Mixed mode fracture analysis in a ductile adhesive using semi-circular bend (SCB) specimen. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 112, 102927 | 3.7 | 3 |
| 369 | Polymer joining techniques state of the art review. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021 , 65, 2023-2045 | 1.9 | 4 |
| 368 | Design of a new pneumatic impact actuator of a Split Hopkinson Pressure Bar (SHPB) setup for tensile and compression testing of structural adhesives. <i>Mechanism and Machine Theory</i> , 2021 , 159, 104289 | 4 | 9 |
| 367 | Towards pure mode I loading in dissimilar adhesively bonded double cantilever beams. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 107, 102826 | 3.4 | 2 |

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| 366 | Functionally graded adhesive joints using magnetic microparticles with a polyurethane adhesive. <i>Journal of Advanced Joining Processes</i> , 2021 , 3, 100048 | 2.1 | 0 |
| 365 | Determination of fracture toughness of an adhesive in civil engineering and interfacial damage analysis of carbon fiber reinforced polymer-steel structure bonded joints. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 2423-2440 | 1.3 | |
| 364 | Feasibility study on hybrid weld-bonded joints using additive manufacturing and conductive thermoplastic filament. <i>Journal of Advanced Joining Processes</i> , 2021 , 3, 100046 | 2.1 | 0 |
| 363 | Cyclic fatigue testing: Assessment of polyurethane adhesive joints' durability for bus structures' aluminium assembly. <i>Journal of Advanced Joining Processes</i> , 2021 , 3, 100053 | 2.1 | 2 |
| 362 | Assessing the Effect of Laboratory Activities on Core Curricular Units of an Engineering Master's Program: A Multivariate Analysis. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-13 | 1.1 | 1 |
| 361 | Fracture energy assessment of adhesives [Part I: Is GIC an adhesive property? A neural network analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 1461-1476 | 1.3 | 5 |
| 360 | Fracture energy assessment of adhesives Part II: Is GIC an adhesive material property? (A neural network analysis). <i>Journal of Advanced Joining Processes</i> , 2021 , 3, 100049 | 2.1 | 9 |
| 359 | Effect of the adhesive thickness on butt adhesive joints under torsional loads. <i>Journal of Advanced Joining Processes</i> , 2021 , 3, 100061 | 2.1 | 4 |
| 358 | Effect of creep on the mode II residual fracture energy of adhesives. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51387 | 2.9 | 2 |
| 357 | Influence of cork microparticles on the fracture type in single lap joints. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 497-507 | 1.3 | 4 |
| 356 | Review on the effect of moisture and contamination on the interfacial properties of adhesive joints. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 527-549 | 1.3 | 11 |
| 355 | Fatigue life estimation of single lap adhesive joints using a critical distance criterion: An equivalent notch approach. <i>Mechanics of Materials</i> , 2021 , 153, 103670 | 3.3 | 5 |
| 354 | Flexible tubular metal-polymer adhesive joints under torsion loading. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 105, 102787 | 3.4 | 4 |
| 353 | A modified degradation technique for fatigue life assessment of adhesive materials subjected to cyclic shear loads. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 550-559 | 1.3 | 4 |
| 352 | Numerical modelling of functionally graded adherends. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 508-517 | 1.3 | 2 |
| 351 | A new cohesive element to model environmental degradation of adhesive joints in the rail industry. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 560-570 | 1.3 | 0 |
| 350 | An overview of manufacturing functionally graded adhesives [Challenges and prospects 2021 , 97, 172-206 | | 17 |
| 349 | Influence of hygrothermal aging on the quasi-static and impact behavior of single lap joints using CFRP and aluminum substrates. <i>Mechanics of Advanced Materials and Structures</i> , 2021 , 28, 1377-1388 | 1.8 | 5 |

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| 348 | Effect of disassembly on environmental and recycling issues in bonded joints 2021 , 407-436 | | 1 |
| 347 | The influence of epoxy adhesive toughness on the strength of hybrid laminate adhesive joints. <i>Applied Adhesion Science</i> , 2021 , 9, | 1.4 | 3 |
| 346 | Manufacture and testing 2021 , 271-317 | | |
| 345 | Environmental effects on mode II fracture toughness of unidirectional E-glass/vinyl ester laminated composites. <i>Science and Engineering of Composite Materials</i> , 2021 , 28, 382-393 | 1.5 | 2 |
| 344 | Joining of Polymer Matrix Composites (PMCs) <i>Adhesive Bonding</i> 2021 , 309-323 | | |
| 343 | Stress analysis of adhesive joints 2021 , 159-192 | | |
| 342 | The influence of GNP and nano-silica additives on fatigue life and crack initiation phase of Al-GFRP bonded lap joints subjected to four-point bending. <i>Composites Part B: Engineering</i> , 2021 , 207, 108589 | 10 | 23 |
| 341 | European Adhesive Bonder. <i>U Porto Journal of Engineering</i> , 2021 , 7, 37-47 | 1 | 2 |
| 340 | Effects of cyclic ageing on the tensile properties and diffusion coefficients of an epoxy-based adhesive. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 1451-1460 | 1.3 | 6 |
| 339 | Effects of impact fatigue on residual static strength of adhesively bonded joints. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 1519-1531 | 1.3 | 2 |
| 338 | Polyethylene FSSW/Adhesive hybrid single strap joints: Parametric optimization and FE simulation. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 111, 102984 | 3.4 | 1 |
| 337 | Global-local fatigue approaches for snug-tight and preloaded hot-dip galvanized steel bolted joints. <i>International Journal of Fatigue</i> , 2021 , 153, 106486 | 5 | 2 |
| 336 | Fatigue life evaluation of adhesive joints in a real structural component. <i>International Journal of Fatigue</i> , 2021 , 153, 106504 | 5 | 2 |
| 335 | Functionally graded adherends in adhesive joints: An overview. <i>Journal of Advanced Joining Processes</i> , 2020 , 2, 100033 | 2.1 | 6 |
| 334 | Mixed mode I/III fracture behavior of adhesive joints. <i>International Journal of Solids and Structures</i> , 2020 , 199, 109-119 | 3.1 | 5 |
| 333 | Bonding dissimilar materials via adhesively bonded spot-welded joints: cohesive zone model technique. <i>Journal of Adhesion Science and Technology</i> , 2020 , 34, 2352-2363 | 2 | 4 |
| 332 | Fracture mechanism of adhesive single-lap joints with composite adherends under quasi-static tension. <i>Composite Structures</i> , 2020 , 251, 112639 | 5.3 | 5 |
| 331 | Self-sensing FS Weld-bonded joints for structural monitoring. <i>Procedia Structural Integrity</i> , 2020 , 25, 234-245 | 1 | 1 |

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| 330 | Creep behaviour and tensile response of adhesively bonded polyethylene joints: Single-Lap and Double-Strap. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 102, 102666 | 3.4 | 4 |
| 329 | Experimental and numerical study of the dynamic response of an adhesively bonded automotive structure. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020 , 234, 3385-3397 | 1.4 | 4 |
| 328 | Influence of microcork particles on the lap shear strength of an epoxy adhesive subjected to fatigue loading and different environmental conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 851-858 | 1.3 | 3 |
| 327 | Influence of mode mixity and loading rate on the fracture behaviour of crash resistant adhesives. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 107, 102508 | 3.7 | 18 |
| 326 | Special Issue on Adhesion, surface preparation and adhesive properties 2020 , 96, 1-1 | | 4 |
| 325 | Effect of residual strains on the static strength of dissimilar single lap adhesive joints 2020 , 1-20 | | 9 |
| 324 | A strain rate dependent cohesive zone element for mode I modeling of the fracture behavior of adhesives. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 610-621 | 1.3 | 6 |
| 323 | A new geometry for improving the strength of single lap joints using adherend notching technique 2020 , 1-20 | | 1 |
| 322 | On the evaluation of a critical distance approach for failure load prediction of adhesively bonded dissimilar materials. <i>Continuum Mechanics and Thermodynamics</i> , 2020 , 32, 1647-1657 | 3.5 | 6 |
| 321 | Displacement rate effect in the fracture toughness of glass fiber reinforced polyurethane. <i>Journal of Composite Materials</i> , 2020 , 54, 3047-3054 | 2.7 | 4 |
| 320 | Strength improvement of adhesively bonded single lap joints with date palm fibers: Effect of type, size, treatment method and density of fibers. <i>Composites Part B: Engineering</i> , 2020 , 188, 107874 | 10 | 24 |
| 319 | Mechanical properties of structural adhesives enhanced with natural date palm tree fibers: Effects of length, density and fiber type. <i>Composite Structures</i> , 2020 , 237, 111950 | 5.3 | 16 |
| 318 | Experimental and numerical study of polyethylene hybrid joints: Friction stir spot welded joints reinforced with adhesive. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 98, 102555 | 3.4 | 11 |
| 317 | Progressive damage modeling of composite materials subjected to mixed mode cyclic loading using cohesive zone model. <i>Mechanics of Materials</i> , 2020 , 143, 103322 | 3.3 | 10 |
| 316 | Numerical analysis of mixed-mode fatigue crack growth of adhesive joints using CZM. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 106, 102493 | 3.7 | 23 |
| 315 | Creep behaviour of a graphene-reinforced epoxy adhesively bonded joint: experimental and numerical investigation 2020 , 1-22 | | 13 |
| 314 | Mixed mode fracture characterization of brittle and semi-brittle adhesives using the SCB specimen. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 101, 102629 | 3.4 | 11 |
| 313 | Mechanical Characterisation of Graded Single Lap Joints Using Magnetised Cork Microparticles. <i>Advanced Structured Materials</i> , 2020 , 153-174 | 0.6 | 1 |

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| 312 | Coating cork particles with iron oxide: effect on magnetic properties. <i>Wood Science and Technology</i> , 2020 , 54, 869-889 | 2.5 | 5 |
| 311 | Experimental and FE study of hybrid laminates aluminium carbon-fibre joints with different lay-up configurations. <i>Manufacturing Review</i> , 2020 , 7, 2 | 1.4 | 3 |
| 310 | Geometrical optimization of adhesive joints under tensile impact loads using cohesive zone modelling. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 97, 102492 | 3.4 | 6 |
| 309 | Numerical study of similar and dissimilar single lap joints under quasi-static and impact conditions. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102501 | 3.4 | 7 |
| 308 | Influence of mode mixity and loading conditions on the fatigue crack growth behaviour of an epoxy adhesive. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 308-316 | 3 | 14 |
| 307 | The effect of environment and fatigue loading on the behaviour of TEPs-modified adhesives 2020 , 96, 423-436 | | 9 |
| 306 | A new theoretical creep model of an epoxy-graphene composite based on experimental investigation: effect of graphene content. <i>Journal of Composite Materials</i> , 2020 , 54, 2461-2472 | 2.7 | 10 |
| 305 | Paris law relations for an epoxy-based adhesive. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 291-299 | 1.3 | 12 |
| 304 | Strength of CFRP joints reinforced with adhesive layers. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 97, 102475 | 3.4 | 7 |
| 303 | Fatigue crack growth analysis of different adhesive systems: Effects of mode mixity and load level. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 330-341 | 3 | 16 |
| 302 | Numerical study of mode I fracture toughness of carbon-fibre-reinforced plastic under an impact load. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 12-20 | 1.3 | |
| 301 | Numerical study of flexible tubular metal-polymer adhesive joints 2020 , 1-23 | | 5 |
| 300 | A comprehensive experimental study on bi-adhesive single lap joints using DIC technique. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 102, 102674 | 3.4 | 9 |
| 299 | Fatigue properties of combined friction stir and adhesively bonded AA6082-T6 overlap joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 2169-2180 | 3 | 5 |
| 298 | Experimental investigation, statistical modeling and multi-objective optimization of creep age forming of fiber metal laminates. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 1389-1398 | 1.3 | 2 |
| 297 | Experimental and numerical analysis of cyclic aging in an epoxy-based adhesive. <i>Polymer Testing</i> , 2020 , 91, 106789 | 4.5 | 14 |
| 296 | Glass fiber-reinforced polymer nanocomposite adhesive joints reinforced with aligned carbon nanofillers. <i>Composite Structures</i> , 2020 , 253, 112814 | 5.3 | 16 |
| 295 | The influence of mode mixity and adhesive system on the fatigue life of adhesive joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 2337-2348 | 3 | 5 |

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| 294 | Adhesively bonded aluminium double-strap joints: effects of patch part on failure load. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020 , 42, 1 | 2 | 2 |
| 293 | DCB tests at constant strain rate using crash-resistant epoxy adhesives: A numerical and experimental approach. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020 , 095440702095457 | 1.4 | 2 |
| 292 | Fatigue life estimation of adhesive joints at different mode mixities 2020 , 1-23 | | 10 |
| 291 | Review of Tailoring Methods for Joints with Additively Manufactured Adherends and Adhesives. <i>Materials</i> , 2020 , 13, | 3.5 | 14 |
| 290 | Tensile fatigue life prediction of adhesively bonded structures based on CZM technique and a modified degradation approach. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020 , 234, 1988-1999 | 0.9 | 2 |
| 289 | On the effect of adhesive thickness on mode I fracture energy - an experimental and modelling study using a trapezoidal cohesive zone model 2020 , 96, 490-514 | | 16 |
| 288 | Adhesive thickness effects on the mixed-mode fracture toughness of bonded joints 2020 , 96, 300-320 | | 9 |
| 287 | Static strength prediction of adhesive joints: A review. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102451 | 3.4 | 55 |
| 286 | Mode II fracture energy characterization of brittle adhesives using compliance calibration method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 1928-1937 | 3 | 4 |
| 285 | Numerical assessment of strain rate in an adhesive layer throughout double cantilever beam and end notch flexure tests. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020 , 234, 415-425 | 1.5 | 5 |
| 284 | Numerical modelling of multi-material graded joints under shear loading. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020 , 234, 436-445 ^{1.5} | | 3 |
| 283 | Review on techniques to improve the strength of adhesive joints with composite adherends. <i>Composites Part B: Engineering</i> , 2019 , 177, 107363 | 10 | 64 |
| 282 | Creep deformation simulation of adhesively bonded joints at different temperature levels using a modified power-law model. <i>Polymer Testing</i> , 2019 , 79, 106087 | 4.5 | 10 |
| 281 | Fatigue Performance of Friction Stir Weld-Bonded Al-Mg joints. <i>Procedia Structural Integrity</i> , 2019 , 17, 949-956 | 1 | 4 |
| 280 | An investigation on fatigue life evaluation and crack initiation of Al-GFRP bonded lap joints under four-point bending. <i>Composite Structures</i> , 2019 , 229, 111433 | 5.3 | 16 |
| 279 | Reinforcement of CFRP single lap joints using metal laminates. <i>Composite Structures</i> , 2019 , 230, 111492 ^{5.3} | | 15 |
| 278 | Reinforcement of CFRP joints with fibre metal laminates and additional adhesive layers. <i>Composites Part B: Engineering</i> , 2019 , 165, 386-396 | 10 | 33 |
| 277 | Dynamic behaviour in mode I fracture toughness of CFRP as a function of temperature. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 103, 102257 | 3.7 | 12 |

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| 276 | Failure load analysis in single lap joints - effect of adherend notching. <i>Engineering Failure Analysis</i> , 2019 , 104, 75-83 | 3.2 | 4 |
| 275 | Strength improvement in single lap adhesive joints by notching the adherends. <i>International Journal of Adhesion and Adhesives</i> , 2019 , 95, 102401 | 3.4 | 9 |
| 274 | Mode II modeling of adhesive materials degraded by fatigue loading using cohesive zone elements. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 103, 102253 | 3.7 | 22 |
| 273 | Strain rate dependence of a crash resistant adhesive as a function of temperature for the automotive industry. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019 , 233, 2189-2203 | 1.3 | 10 |
| 272 | Adhesive joint analysis under tensile impact loads by cohesive zone modelling. <i>Composite Structures</i> , 2019 , 222, 110894 | 5.3 | 16 |
| 271 | Effect of notch length and pre-crack size on mode II fracture energy of brittle adhesives. <i>Engineering Fracture Mechanics</i> , 2019 , 212, 123-135 | 4.2 | 12 |
| 270 | A comparison between macro-element and finite element solutions for the stress analysis of functionally graded single-lap joints. <i>Composite Structures</i> , 2019 , 215, 331-350 | 5.3 | 16 |
| 269 | Effect of hygrothermal aging on the quasi-static behaviour of CFRP joints varying the overlap length. <i>Composite Structures</i> , 2019 , 214, 451-462 | 5.3 | 25 |
| 268 | Functionally graded adhesive joints by using thermally expandable particles 2019 , 95, 995-1014 | | 17 |
| 267 | Fifty years of the Journal of Adhesion 2019 , 95, 971-978 | | |
| 266 | Fatigue performance of single lap joints with CFRP and aluminium substrates prior and after hygrothermal aging. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 2325-2339 | 3 | 7 |
| 265 | Mechanical characterization of intralaminar natural fibre-reinforced hybrid composites. <i>Composites Part B: Engineering</i> , 2019 , 175, 107149 | 10 | 86 |
| 264 | Bonded composite repair of metallic pipeline using energy release rate method. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 2141-2156 | 2 | 12 |
| 263 | Mechanical characterization of a modern epoxy adhesive for automotive industry. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1 | 2 | 16 |
| 262 | Development of hybrid friction stir welding and adhesive bonding single lap joints in aluminium alloys. <i>Frattura Ed Integrita Strutturale</i> , 2019 , 13, 269-285 | 0.9 | 6 |
| 261 | The Mechanical Response of a Structural Epoxy Adhesive Reinforced with Carbon Black Nanoparticles. <i>Microscopy and Microanalysis</i> , 2019 , 25, 187-191 | 0.5 | 5 |
| 260 | Adhesive joints using aluminium and CFRP substrates tested at low and high temperatures under quasi-static and impact conditions for the automotive industry. <i>Composites Part B: Engineering</i> , 2019 , 158, 102-116 | 10 | 50 |
| 259 | Fatigue performance of hybrid overlap friction stir welding and adhesive bonding of an Al-Mg-Cu alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 1262-1270 | 3 | 16 |

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|-----|--|-----|----|
| 258 | Effect of interface non-flatness on the fatigue behavior of adhesively bonded single lap joints. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019 , 233, 1277-1286 | 1.3 | 3 |
| 257 | Prediction of the critical stress intensity factor of single-lap adhesive joints using a coupled ratio method and an analytical model. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019 , 233, 1393-1403 | 1.3 | 3 |
| 256 | Application of adhesively bonded single lap joints for fracture assessment of adhesive materials 2019 , 95, 1-22 | | 11 |
| 255 | Effect of carbon black nanoparticles concentration on the mechanical properties of a structural epoxy adhesive. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018 , 232, 403-415 | 1.3 | 7 |
| 254 | Effect of multi-walled carbon nanotubes and silicon carbide nanoparticles on the deleterious influence of water absorption in adhesively bonded joints. <i>Journal of Adhesion Science and Technology</i> , 2018 , 32, 1795-1808 | 2 | 15 |
| 253 | Numerical study of impact behaviour of mixed adhesive single lap joints for the automotive industry. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 84, 92-100 | 3.4 | 21 |
| 252 | Fatigue resistance of an aluminium one-component polyurethane adhesive joint for the automotive industry: Effect of surface roughness and adhesive thickness. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 83, 143-152 | 3.4 | 32 |
| 251 | Adhesive thickness influence on the shear fracture toughness measurements of adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 83, 15-23 | 3.4 | 16 |
| 250 | Effect of water on the behaviour of adhesives modified with thermally expandable particles. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 84, 250-256 | 3.4 | 14 |
| 249 | Influence of low and high temperature on mixed adhesive joints under quasi-static and impact conditions. <i>Composite Structures</i> , 2018 , 194, 68-79 | 5.3 | 20 |
| 248 | Residual static strength and the fracture initiation path in adhesively bonded joints weakened with interfacial edge pre-crack. <i>Journal of Adhesion Science and Technology</i> , 2018 , 32, 2019-2040 | 2 | 4 |
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