

Lucas Da Silva

List of Publications by Citations

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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	Analytical models of adhesively bonded jointsPart I: Literature survey. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 319-330	3.4	414
400	Modelling adhesive joints with cohesive zone models: effect of the cohesive law shape of the adhesive layer. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 44, 48-56	3.4	346
399	An updated review of adhesively bonded joints in composite materials. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 72, 30-42	3.4	324
398	Effect of Adhesive Type and Thickness on the Lap Shear Strength 2006 , 82, 1091-1115		311
397	Analytical models of adhesively bonded jointsPart II: Comparative study. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 331-341	3.4	285
396	Bonded repair of composite aircraft structures: A review of scientific challenges and opportunities. <i>Progress in Aerospace Sciences</i> , 2013 , 61, 26-42	8.8	282
395	Effect of material, geometry, surface treatment and environment on the shear strength of single lap joints. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 621-632	3.4	266
394	Strength prediction of single- and double-lap joints by standard and extended finite element modelling. <i>International Journal of Adhesion and Adhesives</i> , 2011 , 31, 363-372	3.4	236
393	Techniques to reduce the peel stresses in adhesive joints with composites. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 227-235	3.4	235
392	Experimental and numerical analysis of single-lap joints for the automotive industry. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 405-413	3.4	233
391	Adhesive joints at high and low temperatures using similar and dissimilar adherends and dual adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 216-226	3.4	194
390	Adhesively bonded joints in composite materials: An overview. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2009 , 223, 1-18	1.3	193
389	Joint strength predictions for adhesive joints to be used over a wide temperature range. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 362-379	3.4	167
388	Joint strength optimization by the mixed-adhesive technique. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 509-514	3.4	163
387	Parametric study of adhesive joints with composites. <i>International Journal of Adhesion and Adhesives</i> , 2012 , 37, 96-101	3.4	145
386	Measurement of the mechanical properties of structural adhesives in tension and shear over a wide range of temperatures. <i>Journal of Adhesion Science and Technology</i> , 2005 , 19, 109-141	2	140
385	Fracture Mechanics Tests in Adhesively Bonded Joints: A Literature Review 2014 , 90, 955-992		136

384	Manufacture of adhesive joints and bulk specimens with high-temperature adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2004 , 24, 69-83	3-4	129
383	The Effect of Adhesive Thickness on the Mechanical Behavior of a Structural Polyurethane Adhesive 2015 , 91, 331-346		126
382	Effect of the temperature on the strength of adhesively bonded single lap and T joints for the automotive industry. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 535-542	3-4	113
381	Adhesive Joints for Low- and High-Temperature Use: An Overview 2015 , 91, 556-585		111
380	Mechanical Characterization of Flexible Adhesives 2009 , 85, 261-285		110
379	Damage analysis of composite-aluminium adhesively-bonded single-lap joints. <i>Composite Structures</i> , 2016 , 136, 25-33	5-3	106
378	Multi-material adhesive joints for automotive industry. <i>Composites Part B: Engineering</i> , 2018 , 151, 71-77	10	103
377	Joint Strength Optimization of Adhesively Bonded Patches 2008 , 84, 915-934		101
376	Comparison of the Mechanical Behaviour Between Stiff and Flexible Adhesive Joints for the Automotive Industry 2010 , 86, 765-787		98
375	Modelling of Single-Lap Joints Using Cohesive Zone Models: Effect of the Cohesive Parameters on the Output of the Simulations 2012 , 88, 513-533		94
374	Adhesively bonded functionally graded joints by induction heating. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 48, 110-118	3-4	93
373	Effect of Temperature on Tensile Strength and Mode I Fracture Toughness of a High Temperature Epoxy Adhesive. <i>Journal of Adhesion Science and Technology</i> , 2012 , 26, 939-953	2	91
372	Smart Adhesive Joints: An Overview of Recent Developments 2014 , 90, 16-40		89
371	Effect of Cure Temperature on the Glass Transition Temperature and Mechanical Properties of Epoxy Adhesives 2014 , 90, 104-119		88
370	Single lap joints loaded in tension with high strength steel adherends. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 43, 81-95	3-4	87
369	Mechanical characterization of intralaminar natural fibre-reinforced hybrid composites. <i>Composites Part B: Engineering</i> , 2019 , 175, 107149	10	86
368	Strength Improvement of Adhesively-Bonded Joints Using a Reverse-Bent Geometry. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 2351-2368	2	86
367	Effects of Temperature and Loading Rate on the Mechanical Properties of a High Temperature Epoxy Adhesive. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 2461-2474	2	84

366	Mode I fracture toughness of adhesively bonded joints as a function of temperature: Experimental and numerical study. <i>International Journal of Adhesion and Adhesives</i> , 2011 , 31, 273-279	3-4	77
365	Modeling of Adhesively Bonded Joints 2008 ,		76
364	Mode II Fracture Toughness of a Brittle and a Ductile Adhesive as a Function of the Adhesive Thickness 2010 , 86, 891-905		74
363	Single lap joints loaded in tension with ductile steel adherends. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 43, 96-108	3-4	73
362	Adhesive Selection for Single Lap Bonded Joints: Experimentation and Advanced Techniques for Strength Prediction 2015 , 91, 841-862		72
361	Effect of grooves on the strength of adhesively bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2010 , 30, 735-743	3-4	72
360	Parametric Study of Adhesively Bonded Single Lap Joints by the Taguchi Method. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 1477-1494	2	70
359	Effect of temperature and strain rate on single lap joints with dissimilar lightweight adherends bonded with an acrylic adhesive. <i>Composite Structures</i> , 2016 , 152, 34-44	5-3	70
358	Environmental effect on the fatigue degradation of adhesive joints: A review 2017 , 93, 127-146		69
357	Comparative Failure Assessment of Single and Double Lap Joints with Varying Adhesive Systems 2016 , 92, 610-634		69
356	Fracture toughness determination of adhesive and co-cured joints in natural fibre composites. <i>Composites Part B: Engineering</i> , 2013 , 50, 120-126	10	68
355	Exploring the use of deep neural networks for sales forecasting in fashion retail. <i>Decision Support Systems</i> , 2018 , 114, 81-93	5.6	66
354	Alternative Methods to Measure the Adhesive Shear Displacement in the Thick Adherend Shear Test. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 15-29	2	65
353	2012 ,		65
352	Review on techniques to improve the strength of adhesive joints with composite adherends. <i>Composites Part B: Engineering</i> , 2019 , 177, 107363	10	64
351	Adhesives and adhesive joints under impact loadings: An overview 2018 , 94, 421-452		64
350	Single Lap Joints with Rounded Adherend Corners: Experimental Results and Strength Prediction. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 837-856	2	64
349	eXtended Finite Element Method for fracture characterization of adhesive joints in pure mode I. <i>Computational Materials Science</i> , 2011 , 50, 1543-1549	3-2	63

348	Strength of single lap joints with artificial defects. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 45, 69-76	3-4	59
347	Effect of post-cure on the glass transition temperature and mechanical properties of epoxy adhesives. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2542-2557	2	59
346	Single Lap Joints with Rounded Adherend Corners: Stress and Strain Analysis. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 819-836	2	59
345	Analysis of Mixed Adhesive Bonded Joints Part I: Theoretical Formulation. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 1-34	2	59
344	A new method for the determination of bending moments in single lap joints. <i>International Journal of Adhesion and Adhesives</i> , 2010 , 30, 63-71	3-4	59
343	Multiple-site damage in riveted lap-joints: experimental simulation and finite element prediction. <i>International Journal of Fatigue</i> , 2000 , 22, 319-338	5	59
342	Hybrid Adhesive Joints. <i>Advanced Structured Materials</i> , 2011 ,	0.6	59
341	Strength prediction of adhesively bonded joints under cyclic thermal loading using a cohesive zone model. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 41, 6-15	3-4	58
340	The strength of adhesively bonded T-joints. <i>International Journal of Adhesion and Adhesives</i> , 2002 , 22, 311-315	3-4	58
339	Advanced design for lightweight structures: Review and prospects. <i>Progress in Aerospace Sciences</i> , 2014 , 69, 29-39	8.8	56
338	Debonding on command of adhesive joints for the automotive industry. <i>International Journal of Adhesion and Adhesives</i> , 2015 , 59, 14-20	3-4	56
337	Stress-free temperature in a mixed-adhesive joint. <i>Journal of Adhesion Science and Technology</i> , 2006 , 20, 1705-1726	2	56
336	Static strength prediction of adhesive joints: A review. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102451	3-4	55
335	Strength prediction of adhesively bonded single lap joints with different bondline thicknesses: A critical longitudinal strain approach. <i>International Journal of Solids and Structures</i> , 2017 , 109, 189-198	3-1	54
334	Composite Repair in Wind Turbine Blades: An Overview 2015 , 91, 113-139		54
333	Optimization study of hybrid spot-welded/bonded single-lap joints. <i>International Journal of Adhesion and Adhesives</i> , 2012 , 37, 86-95	3-4	54
332	Mode II fracture toughness of CFRP as a function of temperature and strain rate. <i>Composites Part B: Engineering</i> , 2017 , 114, 311-318	10	53
331	Prediction of crack initiation and propagation of adhesive lap joints using an energy failure criterion. <i>Engineering Fracture Mechanics</i> , 2011 , 78, 990-1007	4-2	53

330	Effect of reinforcements at different scales on mechanical properties of epoxy adhesives and adhesive joints: a review 2018 , 94, 1082-1121		52
329	Temperature Dependence of the Fracture Toughness of Adhesively Bonded Joints. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 2011-2026	2	52
328	Testing and simulation of mixed adhesive joints for aerospace applications. <i>Composites Part B: Engineering</i> , 2015 , 74, 123-130	10	50
327	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
326	Dynamic behaviour of composite adhesive joints for the automotive industry. <i>Composite Structures</i> , 2017 , 171, 549-561	5-3	49
325	Effect of temperature on the shear strength of aluminium single lap bonded joints for high temperature applications. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 1367-1381	2	49
324	Modelling of Functionally Graded Adhesive Joints 2014 , 90, 698-716		48
323	Mechanical and thermal characterization of a structural polyurethane adhesive modified with thermally expandable particles. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 54, 191-199	3-4	47
322	Toughness of a brittle epoxy resin reinforced with micro cork particles: Effect of size, amount and surface treatment. <i>Composites Part B: Engineering</i> , 2017 , 114, 299-310	10	47
321	Strength and damage growth in composite bonded joints with defects. <i>Composites Part B: Engineering</i> , 2016 , 100, 91-100	10	46
320	Static and fatigue behaviour of room temperature vulcanising silicone adhesives for high temperature aerospace applications. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2010 , 41, 325-335	0.9	46
319	Behaviour of environmentally degraded epoxy adhesives as a function of temperature 2017 , 93, 95-112		45
318	Experimental and Numerical Analysis of T-peel Joints for the Automotive Industry. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 317-338	2	44
317	Analysis of Mixed Adhesive Bonded Joints Part II: Parametric Study. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 35-61	2	44
316	Hygrothermal aging of an adhesive reinforced with microparticles of cork. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 1714-1732	2	43
315	Mechanical characterization of a high elongation and high toughness epoxy adhesive. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 47, 91-98	3-4	43
314	A Rapid Method of Measuring the Glass Transition Temperature Using a Novel Dynamic Mechanical Analysis Method 2013 , 89, 785-806		41
313	Adhesive thickness effects of a ductile adhesive by optical measurement techniques. <i>International Journal of Adhesion and Adhesives</i> , 2015 , 57, 125-132	3-4	40

312	The effect of temperature on the mechanical properties of adhesives for the automotive industry. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2010 , 224, 51-62	1.3	40
311	A review on the temperature and moisture degradation of adhesive joints. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2017 , 231, 488-501	1.3	39
310	Absorption and glass transition temperature of adhesives exposed to water and toluene. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 50, 85-92	3.4	39
309	Improvement in impact strength of composite joints for the automotive industry. <i>Composites Part B: Engineering</i> , 2018 , 138, 243-255	10	39
308	Mode II Fracture Toughness of Adhesively Bonded Joints as a Function of Temperature: Experimental and Numerical Study 2012 , 88, 534-551		38
307	Influence of the Size and Amount of Cork Particles on the Impact Toughness of a Structural Adhesive 2012 , 88, 452-470		38
306	Fracture toughness of a structural adhesive under mixed mode loadings. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011 , 42, 460-470	0.9	37
305	Mode I fracture toughness of CFRP as a function of temperature and strain rate. <i>Journal of Composite Materials</i> , 2017 , 51, 3315-3326	2.7	36
304	Moulds design for adhesive bulk and joint specimens manufacturing. <i>Assembly Automation</i> , 2012 , 32, 284-292	2.1	36
303	Effect of surface treatments on natural cork: surface energy, adhesion, and acoustic insulation. <i>Wood Science and Technology</i> , 2014 , 48, 207-224	2.5	35
302	Effect of material on the mechanical behaviour of adhesive joints for the automotive industry. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 663-676	2	35
301	An apparatus for mixed-mode fracture characterization of adhesive joints. <i>Theoretical and Applied Fracture Mechanics</i> , 2017 , 91, 94-102	3.7	34
300	Mixed-mode fracture response of metallic fiber-reinforced epoxy adhesive. <i>European Journal of Mechanics, A/Solids</i> , 2017 , 65, 349-359	3.7	34
299	Reinforcement of CFRP joints with fibre metal laminates and additional adhesive layers. <i>Composites Part B: Engineering</i> , 2019 , 165, 386-396	10	33
298	Advances in Numerical Modelling of Adhesive Joints. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 1-93	0.4	33
297	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
296	Experimental and numerical failure analysis of aluminium/composite single-L joints. <i>International Journal of Adhesion and Adhesives</i> , 2016 , 64, 86-96	3.4	32
295	Adherend thickness effect on the tensile fracture toughness of a structural adhesive using an optical data acquisition method. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 53, 15-22	3.4	32

294	Experimental study of silicone-epoxy dual adhesive joints for high temperature aerospace applications. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011 , 42, 471-477	0.9	32
293	Mixed-mode I+II fatigue/fracture characterization of composite bonded joints using the Single-Leg Bending test. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 44, 63-69	8.4	31
292	Behaviour under Impact of Mixed Adhesive Joints for the Automotive Industry. <i>Latin American Journal of Solids and Structures</i> , 2016 , 13, 835-853	1.4	31
291	Experimental and numerical analysis of hybrid adhesively-bonded scarf joints. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 83, 87-95	3.4	30
290	Debonding on command of multi-material adhesive joints 2017 , 93, 756-770		29
289	Aluminium Friction-stir Weld-bonded Joints 2016 , 92, 665-678		29
288	The behaviour of single lap joints under bending loading. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 1811-1827	2	29
287	Kinetic analysis and characterization of an epoxy/cork adhesive. <i>Thermochimica Acta</i> , 2015 , 604, 52-60	2.9	29
286	Analysis of the Influence of Hydrostatic Stress on the Behaviour of an Adhesive in a Bonded Assembly. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 1977-1994	2	29
285	Numerical study of the behaviour of composite mixed adhesive joints under impact strength for the automotive industry. <i>Composite Structures</i> , 2018 , 185, 373-380	5.3	29
284	A cohesive zone element for mode I modelling of adhesives degraded by humidity and fatigue. <i>International Journal of Fatigue</i> , 2018 , 112, 173-182	5	28
283	Effect of adhesive thickness and surface roughness on the shear strength of aluminium one-component polyurethane adhesive single-lap joints for automotive applications. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 1913-1929	2	27
282	Composite bonded joints under mode I fatigue loading. <i>International Journal of Adhesion and Adhesives</i> , 2011 , 31, 280-285	3.4	26
281	Impact Loading of Single Lap Joints of Dissimilar Lightweight Adherends Bonded With a Crash-Resistant Epoxy Adhesive. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2016 , 138,	1.8	26
280	The influence of water on the fracture envelope of an adhesive joint. <i>Theoretical and Applied Fracture Mechanics</i> , 2017 , 89, 1-15	3.7	25
279	Fatigue performance of adhesively bonded single lap joints with non-flat sinusoid interfaces. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017 , 40, 1355-1363	3	25
278	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
277	Structural Adhesives Modified with Thermally Expandable Particles 2015 , 91, 823-840		25

276	Fracture toughness of bulk adhesives in mode I and mode III and curing effect. <i>International Journal of Fracture</i> , 2011 , 167, 221-234	2.3	25
275	An overview on fatigue analysis of aeronautical structural details: Open hole, single rivet lap-joint, and lap-joint panel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 468-470, 144-157	5.3	25
274	Functionally graded adhesive joints by graded mixing of nanoparticles. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 76, 30-37	3.4	24
273	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
272	Methods to increase the toughness of structural adhesives with micro particles: an overview with focus on cork particles. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016 , 47, 307-325	0.9	24
271	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
270	Effects of Curing Cycle and Thermal History on the Glass Transition Temperature of Adhesives 2014 , 90, 327-345		23
269	Experimental Analysis of the Influence of Hydrostatic Stress on the Behaviour of an Adhesive Using a Pressure Vessel 2011 , 87, 804-825		23
268	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
267	Characterization of aluminium one-component polyurethane adhesive joints as a function of bond thickness for the automotive industry: Fracture analysis and behavior. <i>Engineering Fracture Mechanics</i> , 2017 , 177, 45-60	4.2	22
266	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
265	Overview of different strength prediction techniques for single-lap bonded joints. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2017 , 231, 210-223	1.3	22
264	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
263	Strain rate dependence of adhesive joints for the automotive industry at low and high temperatures. <i>Journal of Adhesion Science and Technology</i> , 2018 , 32, 2162-2179	2	21
262	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
261	Determination of the strain distribution in adhesive joints using Fiber Bragg Grating (FBG). <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 1480-1499	2	20
260	Development of a dilatometer and measurement of the shrinkage behaviour of adhesives during cure. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 47, 26-34	3.4	20
259	The use of the J-integral vector to analyse adhesive bonds with and without a crack. <i>International Journal of Adhesion and Adhesives</i> , 2011 , 31, 48-55	3.4	20

258	Analysis of crack growth behavior in a double cantilever beam adhesive fracture test by different digital image processing techniques. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011 , 42, 452-459	0.9	19
257	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
256	Simplified stress analysis of functionally graded single-lap joints subjected to combined thermal and mechanical loads. <i>Composite Structures</i> , 2018 , 203, 85-100	5.3	18
255	An investigation on the strength of single lap adhesive joints with a wide range of materials and dimensions using a critical distance approach. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 78, 248-255	3.4	18
254	Characterization of composite bonded joints under pure mode II fatigue loading. <i>Composite Structures</i> , 2013 , 95, 222-226	5.3	18
253	Functionally graded adhesive joints by using thermally expandable particles 2019 , 95, 995-1014		17
252	An overview of manufacturing functionally graded adhesives [Challenges and prospects 2021 , 97, 172-206		17
251	A review of structural health monitoring of bonded structures using electromechanical impedance spectroscopy. <i>Structural Health Monitoring</i> , 147592172199341	4.4	17
250	Moisture and temperature degradation of double cantilever beam adhesive joints. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 1824-1838	2	16
249	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
248	Adhesive joint analysis under tensile impact loads by cohesive zone modelling. <i>Composite Structures</i> , 2019 , 222, 110894	5.3	16
247	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
246	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
245	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
244	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
243	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
242	Glass fiber-reinforced polymer nanocomposite adhesive joints reinforced with aligned carbon nanofillers. <i>Composite Structures</i> , 2020 , 253, 112814	5.3	16
241	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

240	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
239	Reinforcement of CFRP single lap joints using metal laminates. <i>Composite Structures</i> , 2019 , 230, 111492-53		15
238	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
237	Water Diffusion in Double Cantilever Beam Adhesive Joints. <i>Latin American Journal of Solids and Structures</i> , 2017 , 14, 188-201	1.4	14
236	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
235	Experimental estimation of the mechanical and fracture properties of a new epoxy adhesive. <i>Applied Adhesion Science</i> , 2015 , 3,	1.4	14
234	Development of a Computer Program for the Design of Adhesive Joints 2009 , 85, 889-918		14
233	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
232	Experimental and numerical analysis of cyclic aging in an epoxy-based adhesive. <i>Polymer Testing</i> , 2020 , 91, 106789	4-5	14
231	Review of Tailoring Methods for Joints with Additively Manufactured Adherends and Adhesives. <i>Materials</i> , 2020 , 13,	3-5	14
230	Static assessment of the mixed-mode behaviour of three epoxy adhesives. <i>Engineering Fracture Mechanics</i> , 2017 , 182, 552-565	4.2	13
229	Creep behaviour of a graphene-reinforced epoxy adhesively bonded joint: experimental and numerical investigation 2020 , 1-22		13
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116	Testing of Dual Adhesive Ceramic-Metal Joints for Aerospace Applications 2013 , 171-190		3
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98	Principles of Adhesive Bonding 2017 , 3-27		2
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