

Majid Ayatollahi

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.

372
papers

10,689
citations

59
h-index

88
g-index

386
ext. papers

12,567
ext. citations

3.3
avg, IF

7.16
L-index

#	Paper	IF	Citations
372	Characterization of 3D-printed PLA parts with different raster orientations and printing speeds.. <i>Scientific Reports</i> , 2022 , 12, 1016	4.9	9
371	Effect of friction at the supports of semi-circular bending tests on fracture mode of loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 118, 103265	3.7	0
370	Fracture testing and estimation of critical loads in a PMMA-based dental material with nonlinear behavior in the presence of notches. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 103282	3.7	0
369	On the role of fracture process zone size in specifying fracturing mechanism under dominant mode II loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 117, 103150	3.7	0
368	Higher order stress terms in sharp notch problems under pure-out-of-plane loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022 , 45, 500	3	2
367	Investigating the effect of printing speed and mode mixity on the fracture behavior of FDM-ABS specimens. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 118, 103223	3.7	1
366	In-situ optical approach to predict mixed mode fracture in a polymeric biomaterial. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 118, 103211	3.7	1
365	Effect of printing speed on tensile and fracture behavior of ABS specimens produced by fused deposition modeling. <i>Engineering Fracture Mechanics</i> , 2022 , 266, 108393	4.2	3
364	U-notch fracture in additively manufactured ABS specimens under symmetric three-point bending. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 119, 103318	3.7	0
363	On the prediction of the stress field in adhesive joints using a combined analytical-numerical method. <i>International Journal of Adhesion and Adhesives</i> , 2022 , 116, 103151	3.4	
362	Size effect in true mode II fracturing of rocks: Theory and experiment. <i>European Journal of Mechanics, A/Solids</i> , 2022 , 94, 104593	3.7	0
361	Tensile-Tearing Fracture Analysis of U-Notched Spruce Samples. <i>Materials</i> , 2022 , 15, 3661	3.5	
360	Geometry effects on mode I brittle fracture in U-notched specimens. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021 , 44, 901-915	3	1
359	Critical Load Prediction in Notched E/Glass-Epoxy-Laminated Composites Using the Virtual Isotropic Material Concept Combined with the Average Strain Energy Density Criterion. <i>Polymers</i> , 2021 , 13,	4.5	3
358	On the application of the volume free strain energy density method to blunt V-notches under mixed mode condition. <i>Engineering Structures</i> , 2021 , 230, 111716	4.7	7
357	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
356	Mixed mode I/II crack propagation in stainless steel 316L sheets by large plastic deformations: Prediction of critical load by combining LEFM with fictitious material concept. <i>Engineering Fracture Mechanics</i> , 2021 , 247, 107657	4.2	0

355	Introduction of a Scaling Factor for Fracture Toughness Measurement of Rocks Using the Semi-circular Bend Test. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 4041-4058	5.7	10
354	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
353	On the anisotropy of shear fracture toughness in rocks. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 113, 102946	3.7	14
352	Limit curves for brittle fracture in key-hole notches under mixed mode I/III loading based on stress-based criteria. <i>European Journal of Mechanics, A/Solids</i> , 2021 , 85, 104089	3.7	3
351	Crack tip asymptotic fields in anisotropic planes: Importance of higher order terms. <i>Applied Mathematical Modelling</i> , 2021 , 91, 837-862	4.5	12
350	On the use of the Fictitious Material Concept in estimating the ultimate load of keyhole notched AA6061-T6 specimens under large tension-torsion deformations. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021 , 44, 488-504	3	0
349	A new unified asymptotic stress field solution for blunt and sharp notches subjected to mixed mode loading. <i>International Journal of Mechanical Sciences</i> , 2021 , 193, 106176	5.5	3
348	Mechanical and Electrical Properties of Multiwalled Carbon Nanotube Nanocomposites with Different Resin Matrices. <i>Physical Mesomechanics</i> , 2021 , 24, 219-224	1.6	1
347	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
346	Effects of particle distribution and calculation method on results of nano-indentation technique in heterogeneous nanocomposites-experimental and numerical approaches. <i>International Journal of Solids and Structures</i> , 2021 , 225, 111054	3.1	0
345	Effect of support type on the fracture toughness and energy of asphalt concrete at different temperature conditions. <i>Engineering Fracture Mechanics</i> , 2021 , 254, 107921	4.2	4
344	Mixed mode fracture behavior of short-particle engineered wood. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 115, 103054	3.7	1
343	Mode II fracture tests on asphalt concrete at different temperatures using semi-circular bend specimen loaded by various types of supports. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 116, 103089	3.7	6
342	Mixed mode I/III fracture behavior of adhesive joints. <i>International Journal of Solids and Structures</i> , 2020 , 199, 109-119	3.1	5
341	Mechanical Characterization of Heterogeneous Polycrystalline Rocks Using Nanoindentation Method in Combination with Generalized Means Method. <i>Journal of Mechanics</i> , 2020 , 36, 813-823	1	1
340	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
339	The finite element over-deterministic method to calculate the coefficients of crack tip asymptotic fields in anisotropic planes. <i>Engineering Fracture Mechanics</i> , 2020 , 231, 106982	4.2	15
338	The effect of in-plane layer orientation on mixed-mode I-II fracture behavior of 3D-printed poly-carbonate specimens. <i>Engineering Fracture Mechanics</i> , 2020 , 231, 107018	4.2	16

337	Geometry effect on fracture behavior of V-notched specimens. <i>Procedia Structural Integrity</i> , 2020 , 26, 234-239	1	1
336	Assessment of mixed mode fatigue crack growth under biaxial loading using an iterative technique. <i>Procedia Structural Integrity</i> , 2020 , 26, 240-245	1	
335	Fracture assessment of U-notched graphite specimens by means of cohesive zone model. <i>Procedia Structural Integrity</i> , 2020 , 26, 251-255	1	1
334	Crack tip asymptotic field and K-dominant region for anisotropic semi-circular bend specimen. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 109, 102640	3-7	9
333	Effect of residual strains on the static strength of dissimilar single lap adhesive joints 2020 , 1-20		9
332	Rapid strain energy density evaluation for V-notches under mode I loading conditions. <i>Engineering Failure Analysis</i> , 2020 , 110, 104361	3-2	10
331	Fracture Behavior of Asphalt Materials. <i>Structural Integrity</i> , 2020 ,	0.2	1
330	A new geometry for improving the strength of single lap joints using adherend notching technique 2020 , 1-20		1
329	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
328	Elastic-plastic damage prediction in notched epoxy resin specimens under mixed mode I/II loading using two virtual linear elastic failure criteria. <i>International Journal of Damage Mechanics</i> , 2020 , 29, 1100-1116	3	3
327	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
326	An Energy-Based Concept for Yielding of Multidirectional FRP Composite Structures Using a Mesoscale Lamina Damage Model. <i>Polymers</i> , 2020 , 12,	4-5	22
325	A statistical approach on the support type effect on mode I fracture toughness determined using semi-circular bend (SCB) specimen. <i>Engineering Fracture Mechanics</i> , 2020 , 226, 106891	4-2	19
324	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
323	Experimental fracture investigation of CNT/epoxy nanocomposite under mixed mode II/III loading conditions. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 879-892	3	4
322	In-situ brittle fracture analysis of sharp V-notched components using digital image correlation. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 106, 102484	3-7	5
321	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
320	Numerical Studies on Asphalt Concretes. <i>Structural Integrity</i> , 2020 , 17-76	0.2	

319	Application of Nonlinear Fracture Mechanics in Asphalt Concretes. <i>Structural Integrity</i> , 2020 , 181-204	0.2	
318	Fracture Behavior of HMA Concretes at Low Temperatures. <i>Structural Integrity</i> , 2020 , 77-156	0.2	
317	Elastic stress analysis of blunt V-notches under mixed mode loading by considering higher order terms. <i>Applied Mathematical Modelling</i> , 2020 , 78, 665-684	4.5	17
316	On the use of digital image correlation method for determining the stress field at blunt V-notch neighborhood. <i>Engineering Fracture Mechanics</i> , 2020 , 223, 106768	4.2	4
315	On higher order parameters in cracked composite plates under far-field pure shear. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 568-585	3	7
314	Comprehensive data for stress intensity factor and critical crack length in chevron notched semi-circular bend specimen subjected to tensile type fracture mode. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 106, 102466	3.7	10
313	Experimental and theoretical fracture analyses for three biomaterials with dental applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 103, 103612	4.1	7
312	Support Type Influence on Rock Fracture Toughness Measurement Using Semi-circular Bending Specimen. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 2175-2183	5.7	18
311	Fracture behavior of additively manufactured components: A review. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 109, 102763	3.7	18
310	Crack bifurcation in sharp V-notches. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 110, 102790	3.7	1
309	Theory and experiment on true mode II fracturing of rocks. <i>Engineering Fracture Mechanics</i> , 2020 , 240, 107314	4.2	16
308	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
307	The influence of in-plane raster angle on tensile and fracture strengths of 3D-printed PLA specimens. <i>Engineering Fracture Mechanics</i> , 2020 , 237, 107225	4.2	26
306	Experimental and numerical analysis of cyclic aging in an epoxy-based adhesive. <i>Polymer Testing</i> , 2020 , 91, 106789	4.5	14
305	Fracture Behavior of Two Biopolymers Containing Notches: Effects of Notch Tip Plasticity. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8445	2.6	2
304	Theory of critical distance combined with the generalized strain energy density criterion for mixed mode fracture assessment of PMMA dental materials. <i>Procedia Structural Integrity</i> , 2020 , 28, 829-835	1	2
303	Application of digital image correlation method for determination of mixed mode stress intensity factors in sharp notches. <i>Optics and Lasers in Engineering</i> , 2020 , 124, 105830	4.6	20
302	Assessment of the fracture process zone in rocks using digital image correlation technique: The role of mode-mixity, size, geometry and material. <i>International Journal of Damage Mechanics</i> , 2020 , 29, 646-666	3	21

301	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
300	Crack growth onset in thin aluminum sheets under mixed mode I/II loading: A new form of the Equivalent Material Concept. <i>Thin-Walled Structures</i> , 2019 , 144, 106337	4-7	3
299	Fatigue damage of cohesive interfaces in fiber-reinforced polymer composite laminates. <i>Composites Science and Technology</i> , 2019 , 183, 107779	8.6	18
298	Fracture analysis of a dental restorative bio-composite using a strain-based fracture model. <i>Materials Today: Proceedings</i> , 2019 , 7, 545-551	1.4	3
297	Assessment of Compressive Mechanical Behavior of Bis-GMA Polymer Using Hyperelastic Models. <i>Polymers</i> , 2019 , 11,	4-5	9
296	Mechanical Behaviour of PMMA Bio-polymer Loaded by Nano-scale Additives. <i>Advanced Structured Materials</i> , 2019 , 209-224	0.6	1
295	An insight into mode II fracture toughness testing using SCB specimen. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 1991-1999	3	16
294	3D fracture behaviour of graphite specimens weakened by V- notches with end holes under mixed mode (I+II) loading. <i>Engineering Failure Analysis</i> , 2019 , 104, 682-689	3-2	4
293	Failure load analysis in single lap joints - effect of adherend notching. <i>Engineering Failure Analysis</i> , 2019 , 104, 75-83	3-2	4
292	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
291	Experimental determination of the notch stress intensity factor for sharp V-notched specimens by using the digital image correlation method. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 103, 1022-1024	2-7	22
290	Asymptotic stress field and the coefficients of singular and higher order terms for V-notches with end holes under mixed-mode loading. <i>International Journal of Solids and Structures</i> , 2019 , 172-173, 51-69 ³⁻¹	3-1	7
289	Analysis of stresses and displacements in the vicinity of blunt V-notches by considering higher order terms. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 1760-1774	3	11
288	Fracture study of MWCNT/epoxy nanocomposite under pure mode III loading using anti-symmetric four-point bend specimen. <i>Material Design and Processing Communications</i> , 2019 , 1, e77	0.9	2
287	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
286	Energy-based assessment of brittle fracture in VO-notched polymer specimens under combined compression-shear loading conditions. <i>International Journal of Damage Mechanics</i> , 2019 , 28, 664-689	3	11
285	Improved stress and displacement fields around V-notches with end holes. <i>Engineering Fracture Mechanics</i> , 2019 , 217, 106539	4-2	7
284	Elastic-plastic fracture assessment of CNT-reinforced epoxy/nanocomposite specimens weakened by U-shaped notches under mixed mode loading. <i>Composites Part B: Engineering</i> , 2019 , 176, 107114	10	9

283	Mixed mode II/III fracture experiments on PMMA using a new test configuration. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 77, 103812	3.7	10
282	Effects of support friction on mode I stress intensity factor and fracture toughness in SENB testing. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 103, 102288	3.7	21
281	Mixed-mode fracture in EPDM/SBR/nanoclay rubber composites: An experimental and theoretical investigation. <i>Composites Part B: Engineering</i> , 2019 , 176, 107312	10	7
280	Assessment of Nano-Indentation Method in Mechanical Characterization of Heterogeneous Nanocomposite Materials Using Experimental and Computational Approaches. <i>Scientific Reports</i> , 2019 , 9, 15763	4.9	28
279	Rupture assessment of rubber/clay nanocomposites containing a crack by means of an energy-based fracture criterion. <i>Archives of Civil and Mechanical Engineering</i> , 2019 , 19, 1458-1467	3.4	0
278	Mechanical behavior of an additively manufactured poly-carbonate specimen: tensile, flexural and mode I fracture properties. <i>Rapid Prototyping Journal</i> , 2019 , 26, 267-277	3.8	16
277	Fracture analysis of rounded-tip V-notched components made of rubber-like materials using averaged strain energy density criterion. <i>Procedia Structural Integrity</i> , 2019 , 21, 12-20	1	1
276	On Suitability of the Averaged Strain Energy Density Criterion in Predicting Mixed Mode I/II Brittle Fracture of Blunt V-Notches with Negative Mode I Contributions. <i>Strength of Materials</i> , 2019 , 51, 770-785	0.6	0
275	To study the effects of nano-additives and nano-indentation variables on viscoplastic behaviour of a polymeric orthopaedic bone cement. <i>Materials Research Express</i> , 2019 , 6, 125422	1.7	1
274	Fracture analysis of V-notched rubbers: An experimental and theoretical study. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 732-742	3	
273	Fracture study in notched graphite specimens subjected to mixed mode I/II loading: Application of XFEM based on the cohesive zone model. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 99, 60-70	3.7	11
272	Experimental investigation on tribological properties of carbon fabric composites: effects of carbon nanotubes and nano-silica. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019 , 233, 874-884	1.3	5
271	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
270	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
269	Tribological Properties of Dental Enamel Before and After Orthodontic Bracket Bonding-Debonding by Nano-Scratch Test. <i>Journal of Mechanics</i> , 2019 , 35, 279-287	1	3
268	Application of adhesively bonded single lap joints for fracture assessment of adhesive materials 2019 , 95, 1-22		11
267	Fracture study in notched ductile polymeric plates subjected to mixed mode I/II loading: Application of equivalent material concept. <i>European Journal of Mechanics, A/Solids</i> , 2018 , 70, 37-43	3.7	22
266	Biomechanical analysis of a radial functionally graded dental implantBone system under multi-directional dynamic loads. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	5

265	Mixed mode crack tip parameters for different wheel positions relative to a vertical crack at the rail foot. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018 , 41, 1771-1783	3	1
264	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
263	Mixed-mode fracture of synthesized nanocrystalline forsterite for biomedical applications. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 94, 173-180	3.7	4
262	Prediction of friction coefficients in nanoscratch testing of metals based on material flow lines. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 94, 186-196	3.7	7
261	Fracture study of a ductile polymer-based nanocomposite weakened by blunt V-notches under mode I loading: Application of the Equivalent Material Concept. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 94, 26-33	3.7	13
260	Compressive Brittle Fracture Prediction in Blunt V-Notched PMMA Specimens by Means of the Strain Energy Density Approach. <i>Physical Mesomechanics</i> , 2018 , 21, 104-109	1.6	
259	A novel test configuration designed for investigating mixed mode II/III fracture. <i>Engineering Fracture Mechanics</i> , 2018 , 197, 248-258	4.2	5
258	Statistical Analysis of Rock Fracture Toughness Data Obtained from Different Chevron Notched and Straight Cracked Mode I Specimens. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 2095-2114	5.7	33
257	The effect of orientations of metal macrofiber reinforcements on mechanical properties of adhesively bonded single lap joints 2018 , 94, 541-561		6
256	Mixed-mode (I/II) rupture assessment of rubber-like materials weakened by cracks using the averaged strain energy density criterion. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 97, 314-321	3.7	4
255	Effects of different indentation methods on fatigue life extension of cracked specimens. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018 , 41, 287-299	3	7
254	The tension-shear fracture behavior of polymeric bone cement modified with hydroxyapatite nano-particles. <i>Archives of Civil and Mechanical Engineering</i> , 2018 , 18, 50-59	3.4	17
253	The application of strain energy density criterion to fatigue crack growth behavior of cracked components. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 97, 440-447	3.7	9
252	A synthesis of geometry effect on brittle fracture. <i>Engineering Fracture Mechanics</i> , 2018 , 187, 94-102	4.2	21
251	Single lap joints bonded with structural adhesives reinforced with a mixture of silica nanoparticles and multi walled carbon nanotubes. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 80, 76-86	3.4	69
250	Rock Fracture Toughness Under Mode II Loading: A Theoretical Model Based on Local Strain Energy Density. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 243-253	5.7	5
249	Fracture characterization of ceria partially stabilized zirconia using the GMTSN criterion. <i>Engineering Fracture Mechanics</i> , 2018 , 199, 647-657	4.2	17
248	Numerical Evaluation of T-stress under Mixed Mode Loading Through the Use of Coarse Meshes. <i>Physical Mesomechanics</i> , 2018 , 21, 124-134	1.6	1

247	Fracture Assessment of Inclined Double Keyhole Notches in Isostatic Graphite. <i>Physical Mesomechanics</i> , 2018 , 21, 110-116	1.6	1
246	Evolution of Crack Tip Constraint in a Mode II Elastic-Plastic Crack Problem. <i>Physical Mesomechanics</i> , 2018 , 21, 173-177	1.6	2
245	Effect of reinforcements at different scales on mechanical properties of epoxy adhesives and adhesive joints: a review 2018 , 94, 1082-1121		52
244	Mode III Notch Fracture Toughness Assessment for Various Notch Features. <i>Physical Mesomechanics</i> , 2018 , 21, 320-332	1.6	3
243	Rupture analysis of rubber in the presence of a sharp V-shape notch under pure mode-I loading. <i>International Journal of Mechanical Sciences</i> , 2018 , 146-147, 405-415	5.5	12
242	A strain-based criterion for failure load prediction of steel/CFRP double strap joints. <i>Composite Structures</i> , 2018 , 206, 116-123	5.3	13
241	Micro failure analysis of adhesively bonded joints enhanced with natural cork particles: Impact of overlap length and particles volume fraction. <i>Frattura Ed Integrita Strutturale</i> , 2018 , 12, 266-274	0.9	10
240	Fracture assessment of polyacrylonitrile nanofiber-reinforced epoxy adhesive. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 97, 448-453	3.7	33
239	Averaged strain energy density criterion for rupture assessment of cracked rubbers: A novel method for determination of critical SED. <i>Engineering Fracture Mechanics</i> , 2018 , 190, 93-103	4.2	9
238	On the use of the extended finite element and incremental methods in brittle fracture assessment of key-hole notched polystyrene specimens under mixed mode I/II loading with negative mode I contributions. <i>Archive of Applied Mechanics</i> , 2018 , 88, 587-612	2.2	14
237	T-stress effects on fatigue crack growth Theory and experiment. <i>Engineering Fracture Mechanics</i> , 2018 , 187, 103-114	4.2	11
236	Predictions of fracture load, crack initiation angle, and trajectory for V-notched Brazilian disk specimens under mixed mode I/II loading with negative mode I contributions. <i>International Journal of Damage Mechanics</i> , 2018 , 27, 1173-1191	3	8
235	Assessment of fatigue crack growth behavior of cracked specimens repaired by indentation. <i>Procedia Structural Integrity</i> , 2018 , 13, 69-73	1	4
234	Crack path stability in brittle fracture under pure mode I loading. <i>Procedia Structural Integrity</i> , 2018 , 13, 735-740	1	2
233	The role of T-stress and stress triaxiality combined with the geometry on tensile fracture energy of brittle adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 87, 12-21	3.4	9
232	Brittle failure of PMMA in the presence of blunt V-notches under combined tension-tear loading: Experiments and stress-based theories. <i>Polymer Testing</i> , 2018 , 72, 94-109	4.5	9
231	Mixed mode III fracture prediction of blunt V-notched nanocomposite specimens with nonlinear behavior by means of the Equivalent Material Concept. <i>Composites Part B: Engineering</i> , 2018 , 154, 363-373	1.9	10
230	Synergistic effects of hybrid MWCNT/nanosilica on the tensile and tribological properties of woven carbon fabric epoxy composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 96, 272-284	3.7	42

229	Ductile failure analysis of blunt V-notched epoxy resin plates subjected to combined tension-shear loading. <i>Polymer Testing</i> , 2018 , 70, 57-66	4.5	12
228	Determination of higher order stress terms in cracked Brazilian disc specimen under mode I loading using digital image correlation technique. <i>Optics and Laser Technology</i> , 2018 , 107, 344-352	4.2	11
227	Fracture tests under mixed mode I + III loading: An assessment based on the local energy. <i>International Journal of Damage Mechanics</i> , 2017 , 26, 881-894	3	20
226	A comparative finite element analysis of two types of axial and radial functionally graded dental implants with titanium one around implant-bone interface. <i>Science and Engineering of Composite Materials</i> , 2017 , 24, 747-754	1.5	4
225	Mechanical properties of adhesively single lap-bonded joints reinforced with multi-walled carbon nanotubes and silica nanoparticles 2017 , 93, 896-913		60
224	DEM investigation on fracture mechanism of the CCNSCB specimen under intermediate dynamic loading. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	8
223	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
222	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
221	A constitutive material model for a commercial PMMA bone cement using a combination of nano-indentation test and finite element analysis. <i>Polymer Testing</i> , 2017 , 59, 328-335	4.5	20
220	An improved definition for mode I and mode II crack problems. <i>Engineering Fracture Mechanics</i> , 2017 , 175, 235-246	4.2	16
219	Impact of geometry on the critical values of the stress intensity factor of adhesively bonded joints. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 2071-2087	2	8
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