Adnan A Ahmed

List of Publications by Year
in descending order

24 papers	1,055 citations	516710 16 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	475 citing authors

#	Article	IF	Citations
1	Fuzzy inference system for failure strength estimation of plain and notched 3Dâ€printed polylactide components. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1663-1677.	3.4	4
2	Applicability of strain energy density criterion for fracture prediction of notched PLA specimens produced via fused deposition modeling. Engineering Fracture Mechanics, 2021, 258, 108103.	4.3	10
3	Notch static strength of additively manufactured acrylonitrile butadiene styrene (ABS). Additive Manufacturing, 2020, 34, 101212.	3.0	22
4	On the notch fatigue strength of additively manufactured polylactide (PLA). International Journal of Fatigue, 2020, 136, 105583.	5.7	39
5	Reference strength values to design against static and fatigue loading polylactide additively manufactured with inâ€fill level equal to 100%. Material Design and Processing Communications, 2019, 1, e45.	0.9	5
6	Fatigue strength of additively manufactured polylactide (PLA): effect of raster angle and non-zero mean stresses. International Journal of Fatigue, 2019, 126, 319-326.	5.7	57
7	Static assessment of plain/notched polylactide (PLA) 3Dâ€printed with different infill levels: Equivalent homogenised material concept and Theory of Critical Distances. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 883-904.	3.4	36
8	A material length scaleâ€“based methodology to assess static strength of notched additively manufactured polylactide (PLA). Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2071-2098.	3.4	48
9	Guest editorial: special issueâ€IGF internationalâ€structural integrity. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 717-717.	3.4	0
10	On the fatigue strength of 3D-printed polylactide (PLA). Procedia Structural Integrity, 2018, 9, 29-36.	0.8	46
11	Guest editorial: â€œManufacturing Influence on Fatigue Propertiesâ€. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2211-2211.	3.4	0
12	Gradient elasticity: a transformative stress analysis tool to design notched components against uniaxial/multiaxial highâ€cycle fatigue. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 1012-1029.	3.4	14
13	A generalised approach to rapid finite element design of notched materials against static loading using the Theory of Critical Distances. Materials and Design, 2016, 108, 769-779.	7.0	9
14	Assessing the integrity of steel structural components with stress raisers using the Theory of Critical Distances. Engineering Failure Analysis, 2016, 70, 73-89.	4.0	23
15	On the use of linear-elastic local stresses to design load-carrying fillet-welded steel joints against static loading. Engineering Fracture Mechanics, 2015, 136, 38-57.	4.3	17
16	Understanding cracked materials: is Linear Elastic Fracture Mechanics obsolete?. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 154-160.	3.4	36
17	Intrinsic material length, Theory of Critical Distances and Gradient Mechanics: analogies and differences in processing linearâ€elastic crack tip stress fields. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 39-55.	3.4	38
18	Theory of Critical Distances versus Gradient Mechanics in modelling the transition from the short to long crack regime at the fatigue limit. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 861-869.	3.4	26

#	Article	IF	Citations
19	The Theory of Critical Distances to estimate the static strength of notched samples of Al6082 loaded in combined tension and torsion. Part II: Multiaxial static assessment. Engineering Fracture Mechanics, 2010, 77, 470-478.	4.3	45
20	The Theory of Critical Distances to estimate the static strength of notched samples of Al6082 loaded in combined tension and torsion. Part I: Material cracking behaviour. Engineering Fracture Mechanics, 2010, 77, 452-469.	4.3	30
21	Multiaxial notch fatigue. , 2009, , .		75
22	The theory of critical distances to predict static strength of notched brittle components subjected to mixed-mode loading. Engineering Fracture Mechanics, 2008, 75, 534-550.	4.3	205
23	On the use of the Theory of Critical Distances to predict static failures in ductile metallic materials containing different geometrical features. Engineering Fracture Mechanics, 2008, 75, 4410-4421.	4.3	159
24	A unifying approach to estimate the high-cycle fatigue strength of notched components subjected to both uniaxial and multiaxial cyclic loadings. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 391-411.	3.4	111