Jaroslaw Galkiewicz

List of Publications by Year
in descending order

26 papers	226 citations	1478505 6 h-index	1058476 14 g-index
27 all docs	27 docs citations	27 times ranked	103 citing authors

#	Article	IF	Citations
1	An alternative formulation of the Ritchieâ€“Knottâ€“Rice local fracture criterion. Engineering Fracture Mechanics, 2007, 74, 1308-1322.	4.3	53
2	Fracture toughness of structural components: influence of constraint. International Journal of Pressure Vessels and Piping, 2006, 83, 42-54.	2.6	40
3	A study of stable crack growth using experimental methods, finite elements and fractography. Engineering Fracture Mechanics, 2004, 71, 1325-1355.	4.3	32
4	Calibration of constitutive equations under conditions of large strains and stress triaxiality. Archives of Civil and Mechanical Engineering, 2018, 18, 1123-1135.	3.8	26
5	The ductile-to-cleavage transition in ferritic Crâ€“Moâ€“V steel: A detailed microscopic and numerical analysis. Engineering Fracture Mechanics, 2010, 77, 2504-2526.	4.3	21
6	Estimation of the Onset of Crack Growth in Ductile Materials. Materials, 2018, 11, 2026.	2.9	16
7	Master Curve of High-Strength Ferritic Steel S960-QC. Key Engineering Materials, 0, 598, 178-183.	0.4	6
8	Approximation of Strain-Stress Curves in Front of a Crack in a Non-Linear Material. International Journal of Fracture, 2010, 161, 227-232.	2.2	5
9	Cleavage Fracture of Ultra-High-Strength Steels. Microscopic Observations. Numerical Analysis. Local Fracture Criterion. Key Engineering Materials, 2014, 598, 168-177.	0.4	5
10	MICROSCOPICALLY BASED CALIBRATION OF THE COHESIVE MODEL. Journal of Theoretical and Applied Mechanics, 0, , 477.	0.5	4
11	Analysis of the stress field in front of a notch. Materials Science, 1998, 34, 714-723.	0.9	3
12	The Numerical Analysis of the In-Plane Constraint Influence on the Behavior of the Crack Subjected to Cyclic Loading. Materials, 2021, 14, 1764.	2.9	3
13	Verification of Strength of the Welded Joints by using of the Aramis Video System. Acta Mechanica Et Automatica, 2017, 11, 9-13.	0.6	3
14	Experimental and Numerical Modeling of the Phenomenon of Delamination Cracking in S235 Steel. Solid State Phenomena, 0, 250, 145-150.	0.3	2
15	Simulation of Tensile Test of the 1/2Y Welded Joint Made of Ultra High Strength Steel. Materials Science Forum, 2012, 726, 110-117.	0.3	1
16	The Simulation of Void Growth along Curvilinear Crack Front. Key Engineering Materials, 2014, 598, 63-68.	0.4	1
17	Numerical Analysis of the Failure Processes of Plates Made of S 960 QC Steel. Key Engineering Materials, 0, 598, 184-189.	0.4	1
18	Determination of Strain and Stress Fields in Laser Welded Joints by Means of the Aramis Video System. Solid State Phenomena, 0, 250, 151-156.	0.3	1

#	Article	IF	Citations
19	The experimental-numerical analyses of the failure mechanisms of S355JR steel. Theoretical and Applied Fracture Mechanics, 2020, 108, 102666.	4.7	1
20	The Analysis of Fracture Mechanisms of Ferritic Steel 13HMF at Low Temperatures. Journal of ASTM International, 2010, 7, 1-14.	0.2	1
21	Temperature Influence on <i>Ïƒ</i>₀ and <i>n</i> Characteristics in the R-O Relationship for High-Strength Steel. Key Engineering Materials, 2014, 598, 190-194.	0.4	0
22	The Influence of In-Plane Constraint on Void Behavior in Front of a Crack in Plane Strain. Solid State Phenomena, 2014, 224, 139-144.	0.3	0
23	Simulation of Crack Growth in a Cell Containing an Inclusion Using Cohesive Elements. Solid State Phenomena, 2016, 250, 16-21.	0.3	0
24	Are the mechanical field parameters sufficient to predict uniquely the failure due to the ductile or cleavage mechanisms?. Procedia Structural Integrity, 2018, 13, 285-291.	0.8	0
25	Influence of the inclusion shape and the constraints level on damage to the elementary cell. Procedia Structural Integrity, 2019, 16, 35-42.	0.8	0
26	Analysis of the Failure Process of Elements Subjected to Monotonic and Cyclic Loading Using the Wierzbickiâ€“Bai Model. Materials, 2021, 14, 6265.	2.9	0