

Jana Hornikova

List of Publications by Year in descending order

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32
papers

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1307594

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docs citations

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times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical approach to roughness-induced shielding effects. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2004, 27, 141-157.	3.4	25
2	Analysis of fatigue crack propagation under mixed mode II+III in ARMCO iron. <i>International Journal of Fatigue</i> , 2015, 76, 47-52.	5.7	22
3	Fatigue life of cast Inconel 713LC with/without protective diffusion coating under bending, torsion and their combination. <i>Engineering Fracture Mechanics</i> , 2013, 110, 459-467.	4.3	21
4	On the segregation behavior of tin and antimony at grain boundaries of polycrystalline bcc iron. <i>Applied Surface Science</i> , 2016, 363, 140-144.	6.1	15
5	Grain boundary segregation of elements of groups 14 and 15 and its consequences for intergranular cohesion of ferritic iron. <i>Journal of Materials Science</i> , 2017, 52, 5822-5834.	3.7	11
6	Multiscale modelling of nanoindentation test in copper crystal. <i>Engineering Fracture Mechanics</i> , 2008, 75, 3755-3762.	4.3	9
7	Fatigue Life of 7475-T7351 Aluminum After Local Severe Plastic Deformation Caused by Machining. <i>Materials</i> , 2019, 12, 3605.	2.9	9
8	K-calibration of special specimens for mode II, III and II+III crack growth. <i>Engineering Fracture Mechanics</i> , 2013, 110, 430-437.	4.3	8
9	Specimens for Simultaneous Mode II, III and II+III Fatigue Crack Propagation: Elasto-Plastic Solution of Crack Tip Stress-Strain Field. <i>Advanced Materials Research</i> , 0, 891-892, 1585-1590.	0.3	6
10	Description of Fatigue Crack Growth under Modes II, III and II+III in Terms of J-integral. , 2014, 3, 835-840.		5
11	Local and equivalent stress intensity factors for tortuous cracks under remote mode II loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 101, 35-45.	4.7	5
12	Comparison of fatigue criteria for combined bending-torsion loading of nitrided and virgin specimens. <i>Strength of Materials</i> , 2008, 40, 64-66.	0.5	4
13	Assessment of Extrinsic Crack Tip Shielding in Austenitic Steel near Fatigue Threshold. <i>Key Engineering Materials</i> , 0, 385-387, 49-52.	0.4	3
14	A Fractographic Study of Bending/Torsion Fatigue Failure in Metallic Materials with Protective Surface Layers. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-6.	1.8	3
15	Stress Intensity Factors for Rough Cracks Loaded in Mode II. <i>Solid State Phenomena</i> , 0, 258, 310-313.	0.3	3
16	Onset of Microplasticity in Copper Crystal during Nanoindentation. <i>Key Engineering Materials</i> , 2007, 348-349, 801-804.	0.4	2
17	Linear-Elastic and Elastoplastic Mode II and III Crack Tip Stress-Strain Fields in Cylindrical Specimens with Circumferential Crack. <i>Key Engineering Materials</i> , 0, 417-418, 321-324.	0.4	2
18	Modeling Load-displacement Curve and Pop-in Effect in Nanoindentation Tests. , 2014, 3, 1111-1116.		2

#	ARTICLE	IF	CITATIONS
19	Stress Intensity Factors for Cracks Emanating from a Notch under Shear-Mode Loading. Key Engineering Materials, 0, 774, 48-53.	0.4	2
20	Temperature Dependence of Fracture Characteristics of Various Heat-Treated Grades of Ultra-High-Strength Steel: Experimental and Modelling. Materials, 2021, 14, 5875.	2.9	2
21	On the Crack Tip Shielding in Particle Reinforced Composites. Materials Science Forum, 2005, 482, 311-314.	0.3	1
22	Computation of Effective Fatigue Thresholds Based on a New Concept of Crack Closure. Key Engineering Materials, 2006, 324-325, 803-806.	0.4	1
23	Comparison of Solutions of Stress Field Based on Hertzian and Combined Numerical-Crystallographic Approaches Beneath Nanoindenter. Key Engineering Materials, 0, 488-489, 395-398.	0.4	1
24	Bending Fatigue Behaviour of Diffusion and Thermal Barrier Coating Systems. Key Engineering Materials, 0, 592-593, 716-719.	0.4	1
25	Description of Fatigue Crack Propagation under Mixed-Mode II+III in Terms of J-Integral. Key Engineering Materials, 0, 627, 145-148.	0.4	1
26	Numerical Fracture Analysis of Compact Tension Shear (CTS) Specimens with Tortuous Crack Fronts. Key Engineering Materials, 0, 665, 77-80.	0.4	1
27	Analysis of powder steel material, laser sintering technology and machining on surface parameters and fatigue. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 820-830.	0.9	1
28	Determination of Ramberg-Osgood approximation for estimation of low-temperature fracture toughness. AIP Conference Proceedings, 2020, , .	0.4	1
29	Stress Intensity Factors for Surface Semi-Elliptical Crack in Cylindrical Specimen under Combined Torsion and Axial Compression. Key Engineering Materials, 0, 452-453, 673-676.	0.4	0
30	Geometrical Shielding Produced by Intergranular Crack-Tip Branching in Fe-V-P Alloy. Key Engineering Materials, 0, 465, 574-577.	0.4	0
31	Determination of local stress intensity factors at microstructurally tortuous crack fronts under remote mode II loading. Procedia Structural Integrity, 2017, 7, 254-261.	0.8	0
32	Analysis of Roughness-Induced Crack-Tip Shielding in Terms of Size Ratio Effect. , 0, , 491-491-15.		0