

# JÃ¼rgen BÃ¶r

## List of Publications by Year in descending order

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16  
papers

131  
citations

1307594

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1281871

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16  
docs citations

16  
times ranked

80  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of fibre-reinforcement on the microstructure of an Al—Si-based alloy. Scripta Metallurgica Et Materialia, 1993, 29, 787-792.	1.0	19
2	Analysis of crack geometry and location in notched bars by means of a three-probe potential drop technique. International Journal of Fatigue, 2019, 124, 167-187.	5.7	17
3	Investigation of Energy Dissipation and Plastic Zone Size During Fatigue Crack Propagation in a High-Alloyed Steel. , 2014, 3, 408-413.		15
4	Influence of motion compensation on lock-In thermographic investigations of fatigue crack propagation. Engineering Fracture Mechanics, 2017, 183, 13-25.	4.3	14
5	Crack Detection and Crack Length Measurement with the DC Potential Drop Method—Possibilities, Challenges and New Developments. Applied Sciences (Switzerland), 2020, 10, 8559.	2.5	13
6	Analysis of the crack location in notched steel bars with a multiple DC potential drop measurement. Procedia Structural Integrity, 2019, 17, 254-261.	0.8	9
7	Determination of dissipated energies during fatigue tests on Copper and AA7475 with Infrared Thermography. Procedia Structural Integrity, 2019, 17, 308-315.	0.8	9
8	Experimental investigation of short crack growth at notches in 7475-T761. Procedia Structural Integrity, 2017, 5, 793-800.	0.8	8
9	Lock-In Thermographic Stress Analysis of notched and unnotched specimen under alternating loads. Procedia Structural Integrity, 2017, 5, 785-792.	0.8	6
10	Thermographic Investigation of Fatigue Crack Propagation in a High-Alloyed Steel. Advanced Materials Research, 0, 891-892, 936-941.	0.3	5
11	DCPD based detection of the transition from short to long crack propagation in fatigue experiments on the aluminum alloy 7475 T761. Procedia Structural Integrity, 2019, 17, 183-189.	0.8	5
12	Determination of dissipated Energy in Fatigue Crack Propagation Experiments with Lock-In Thermography and Heat Flow Measurements. Procedia Structural Integrity, 2016, 2, 2105-2112.	0.8	4
13	Influence of crack initiation on short crack propagation and cyclic lifetime of AA 7475-T761. Procedia Structural Integrity, 2018, 13, 279-284.	0.8	3
14	Propagation of Fatigue Cracks in Notched Specimens of EN AW 7475-T761. Key Engineering Materials, 0, 592-593, 789-792.	0.4	2
15	Thermographic Image Analysis of Fatigue Crack Propagation in a High-Alloyed Steel under usage of discrete fourier transformation and rigid body motion compensation. Procedia Structural Integrity, 2016, 2, 2097-2104.	0.8	2
16	In-Situ Crack Detection Using Thermo Elastic Stimulated Lock-In Thermography. Materialpruefung/Materials Testing, 2011, 53, 26-31.	2.2	0