JÃ¼rgen BÃ¤r

List of Publications by Year
in descending order

16 papers	131 citations	1307594 7 h-index	1281871 11 g-index
16 all docs	16 docs citations	16 times ranked	80 citing authors

#	Article	IF	Citations
1	Crack Detection and Crack Length Measurement with the DC Potential Drop Methodâ€“Possibilities, Challenges and New Developments. Applied Sciences (Switzerland), 2020, 10, 8559.	2.5	13
2	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
3	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
4	Determination of dissipated energies during fatigue tests on Copper and AA7475 with Infrared Thermography. Procedia Structural Integrity, 2019, 17, 308-315.	0.8	9
5	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
6	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
7	Influence of motion compensation on lock-In thermographic investigations of fatigue crack propagation. Engineering Fracture Mechanics, 2017, 183, 13-25.	4.3	14
8	Lock-In Thermographic Stress Analysis of notched and unnotched specimen under alternating loads. Procedia Structural Integrity, 2017, 5, 785-792.	0.8	6
9	Experimental investigation of short crack growth at notches in 7475-T761. Procedia Structural Integrity, 2017, 5, 793-800.	0.8	8
10	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
11	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
12	Investigation of Energy Dissipation and Plastic Zone Size During Fatigue Crack Propagation in a High-Alloyed Steel. , 2014, 3, 408-413.		15
13	In-Situ Crack Detection Using Thermo Elastic Stimulated Lock-In Thermography. Materialpruefung/Materials Testing, 2011, 53, 26-31.	2.2	0
14	Influence of fibre-reinforcement on the microstructure of an Alî—¸Si-based alloy. Scripta Metallurgica Et Materialia, 1993, 29, 787-792.	1.0	19
15	Propagation of Fatigue Cracks in Notched Specimens of EN AW 7475-T761. Key Engineering Materials, 0, 592-593, 789-792.	0.4	2
16	Thermographic Investigation of Fatigue Crack Propagation in a High-Alloyed Steel. Advanced Materials Research, 0, 891-892, 936-941.	0.3	5