

Jan Kohout

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

521
citations

1163117

8
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Hydrostatic Pressure in Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2003, 5, 330-337.	3.5	174
2	A new function for fatigue curves characterization and its multiple merits. <i>International Journal of Fatigue</i> , 2001, 23, 175-183.	5.7	132
3	Plastic deformation of nickel under high hydrostatic pressure. <i>Journal of Alloys and Compounds</i> , 2004, 378, 329-334.	5.5	63
4	Modified Arrhenius Equation in Materials Science, Chemistry and Biology. <i>Molecules</i> , 2021, 26, 7162.	3.8	31
5	Temperature dependence of stress-lifetime fatigue curves. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2000, 23, 969-977.	3.4	30
6	An alternative to the JMAK equation for a better description of phase transformation kinetics. <i>Journal of Materials Science</i> , 2008, 43, 1334-1339.	3.7	24
7	A simple relation for deviation of grey and nodular cast irons from Hooke's law. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 313, 16-23.	5.6	21
8	A new function describing fatigue crack growth curves. <i>International Journal of Fatigue</i> , 1999, 21, 813-821.	5.7	19
9	Strength changes of moulded polyamide composite caused by thermal oxidation. <i>Journal of Materials Science</i> , 1999, 34, 843-849.	3.7	8
10	Modelling of changes in properties of alloys at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 462, 159-163.	5.6	5
11	Fatigue lifetime of ADI from ultimate tensile strength to permanent fatigue limit. <i>Strength of Materials</i> , 2008, 40, 32-35.	0.5	5
12	Influence of Isothermal Transformation Dwell on Tensile and Fatigue Properties of Austempered Ductile Iron. <i>Materials Science Forum</i> , 2005, 482, 371-374.	0.3	3
13	Low-Temperature and High-Temperature Anomalies in Temperature Shift of Stress-Lifetime Fatigue Curves. <i>Materials Science Forum</i> , 2008, 567-568, 113-116.	0.3	2
14	Onset of Discontinuous Flow in Cu-Be Alloys. <i>Key Engineering Materials</i> , 1994, 97-98, 251-256.	0.4	1
15	New Description of Steady-State Creep Rate, Yield Stress, Stress Relaxation and Their Interrelation. <i>Materials Science Forum</i> , 2005, 482, 319-322.	0.3	1
16	Modelling of changes in physical and mechanical properties of structural materials during long-term exposures at elevated temperatures. <i>European Physical Journal Special Topics</i> , 2004, 120, 191-199.	0.2	1
17	Changes of Material Properties of Silumin During Age-Hardening. <i>Communications - Scientific Letters of the University of Zilina</i> , 2012, 14, 6-10.	0.6	1
18	The Optimization of the Isothermal Transformation Dwell of the ADI Obtained at Transformation Temperature of 380 Å°C. <i>Materials Science Forum</i> , 2008, 567-568, 337-340.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Simple and Precise Description of the Transformation Kinetics and Final Structure of Dual Phase Steels. <i>Materials</i> , 2021, 14, 1781.	2.9	0
20	Mutual Reciprocal Interconnection of Relations Describing Creep, Yield Stress and Stress Relaxation. <i>Communications - Scientific Letters of the University of Zilina</i> , 2010, 12, 40-44.	0.6	0