Jan Kohout

List of Publications by Year
in descending order

20	521	1163117 8	888059 17
papers	citations	h-index	g-index

20	20	20	459
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple and Precise Description of the Transformation Kinetics and Final Structure of Dual Phase Steels. Materials, 2021, 14, 1781.	2.9	0
2	Modified Arrhenius Equation in Materials Science, Chemistry and Biology. Molecules, 2021, 26, 7162.	3.8	31
3	Changes of Material Properties of Silumin During Age-Hardening. Communications - Scientific Letters of the University of Zilina, 2012, 14, 6-10.	0.6	1
4	Mutual Reciprocal Interconnection of Relations Describing Creep, Yield Stress and Stress Relaxation. Communications - Scientific Letters of the University of Zilina, 2010, 12, 40-44.	0.6	0
5	The Optimization of the Isothermal Transformation Dwell of the ADI Obtained at Transformation Temperature of 380 Â°C. Materials Science Forum, 2008, 567-568, 337-340.	0.3	0
6	Low-Temperature and High-Temperature Anomalies in Temperature Shift of Stress-Lifetime Fatigue Curves. Materials Science Forum, 2008, 567-568, 113-116.	0.3	2
7	Fatigue lifetime of ADI from ultimate tensile strength to permanent fatigue limit. Strength of Materials, 2008, 40, 32-35.	0.5	5
8	An alternative to the JMAK equation for a better description of phase transformation kinetics. Journal of Materials Science, 2008, 43, 1334-1339.	3.7	24
9	Modelling of changes in properties of alloys at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 159-163.	5.6	5
10	New Description of Steady-State Creep Rate, Yield Stress, Stress Relaxation and Their Interrelation. Materials Science Forum, 2005, 482, 319-322.	0.3	1
11	Influence of Isothermal Transformation Dwell on Tensile and Fatigue Properties of Austempered Ductile Iron. Materials Science Forum, 2005, 482, 371-374.	0.3	3
12	Plastic deformation of nickel under high hydrostatic pressure. Journal of Alloys and Compounds, 2004, 378, 329-334.	5.5	63
13	Modelling of changes in physical and mechanical properties of structural materials during long-term exposures at elevated temperatures. European Physical Journal Special Topics, 2004, 120, 191-199.	0.2	1
14	The Role of Hydrostatic Pressure in Severe Plastic Deformation. Advanced Engineering Materials, 2003, 5, 330-337.	3.5	174
15	A simple relation for deviation of grey and nodular cast irons from Hooke's law. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 313, 16-23.	5.6	21
16	A new function for fatigue curves characterization and its multiple merits. International Journal of Fatigue, 2001, 23, 175-183.	5.7	132
17	Temperature dependence of stress-lifetime fatigue curves. Fatigue and Fracture of Engineering Materials and Structures, 2000, 23, 969-977.	3.4	30
18	A new function describing fatigue crack growth curves. International Journal of Fatigue, 1999, 21, 813-821.	5.7	19

#	Article	IF	Citations
19	Strength changes of moulded polyamide composite caused by thermal oxidation. Journal of Materials Science, 1999, 34, 843-849.	3.7	8
20	Onset of Discontinuous Flow in Cu-Be Alloys. Key Engineering Materials, 1994, 97-98, 251-256.	0.4	1