Alexandra E Fedoseeva

List of Publications by Year
in descending order

42	639	471509 17	580821 25
papers	citations	h-index	g-index

42	42	42	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of the Quenching Temperature on the Creep Resistance of 9% Crâ€“1% Wâ€“1% Moâ€“Vâ€“Nb Martensite Steel. Physics of Metals and Metallography, 2022, 123, 92-98.	1.0	3
2	Effect of the Thermo-Mechanical Processing on the Impact Toughness of a 12% Cr Martensitic Steel with Co, Cu, W, Mo and Ta Doping. Metals, 2022, 12, 3.	2.3	5
3	Effect of thermo-mechanical treatment on short-term mechanical properties of low-carbon 9% Cr martensitic steel. AIP Conference Proceedings, 2022, , .	0.4	1
4	Modeling of thermo-mechanical treatment for formation of stable particles in a low-carbon 9% Cr martensitic steel. AIP Conference Proceedings, 2022, , .	0.4	1
5	Short-Term creep properties of a 10% Crâ€“3% co steel on microalloying with rhenium and copper. AIP Conference Proceedings, 2022, , .	0.4	0
6	Effect of creep temperature on Z-phase formation in heat-resistant 9% Crâ€“3% Co martensitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140271.	5.6	3
7	Coarsening of Laves phase and creep behaviour of a Re-containing 10% Cr-3% Co-3% W steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 812, 141137.	5.6	21
8	Strain and temperature contributions to structural evolution in a Re-containing 10% Cr-3% Co-3% W steel during creep. Materials at High Temperatures, 2021, 38, 237-246.	1.0	2
9	Effect of Alloying on the Nucleation and Growth of Laves Phase in the 9â€“10%Cr-3%Co Martensitic Steels during Creep. Metals, 2021, 11, 60.	2.3	19
10	Superior creep resistance of a high-Cr steel with Re additives. Materials Letters, 2020, 262, 127183.	2.6	13
11	Nucleation of W-rich carbides and Laves phase in a Re-containing 10% Cr steel during creep at 650ÂÂ°C. Materials Characterization, 2020, 169, 110651.	4.4	17
12	The Effect of Creep and Long Annealing Conditions on the Formation of the Z-Phase Particles. Physics of Metals and Metallography, 2020, 121, 561-567.	1.0	5
13	Strengthening mechanisms of creep-resistant 12%Crâ€“3%Co steel with low N and high B contents. Journal of Materials Science, 2020, 55, 7530-7545.	3.7	31
14	Effect of tantalum on short-term creep of a 12%Cr-3%Co-0.07%Ta martensitic steel for steam blades. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012020.	0.6	2
15	Analysis of Mechanical Properties for the Heat Resistant Co-Modified 12 and 9% Cr Steels. Physics of Metals and Metallography, 2020, 121, 1233-1239.	1.0	7
16	Effect of tantalum on the tensile properties of 12%Cr martensitic steels for steam blades. AIP Conference Proceedings, 2019, , .	0.4	0
17	Effect of heat treatment on structure and mechanical properties of 12Cr-3Co steel with low N and high B contents. AIP Conference Proceedings, 2019, , .	0.4	0
18	On effect of rhenium on mechanical properties of a high-Cr creep-resistant steel. Materials Letters, 2019, 236, 81-84.	2.6	25

#	Article	IF	Citations
19	Formation of Z-Phase Particles in a Martensitic 9% Cr Steel during Creep at 650Â°C and Their Influence on the Creep. Russian Metallurgy (Metally), 2019, 2019, 932-938.	0.5	2
20	Effect of Tungsten on the Temper Brittleness in Steels with 9% Cr. Metal Science and Heat Treatment, 2018, 59, 564-568.	0.6	0
21	Strain-induced Z-phase formation in a 9% Cr-3% Co martensitic steel during creep at elevated temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 724, 29-36.	5.6	17
22	Short-term creep of advanced re-containing 10% Cr â€“ 3% Co â€“ 3% W martensitic steel at elevated temperature. AIP Conference Proceedings, 2018, , .	0.4	0
23	Structural Evolution of P92-Type Martensitic Steel during Creep at 650Â°. Acta Physica Polonica A, 2018, 134, 644-648.	0.5	1
24	Role of Tungsten in the Tempered Martensite Embrittlement of a Modified 9ÂPct Cr Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 982-998.	2.2	17
25	Effect of alloying on interfacial energy of precipitation/matrix in high-chromium martensitic steels. Journal of Materials Science, 2017, 52, 4197-4209.	3.7	22
26	Effect of stresses on the structural changes in high-chromium steel upon creep. Physics of Metals and Metallography, 2017, 118, 591-600.	1.0	19
27	Ductile-brittle transition in a 9% Cr heat-resistant steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 682, 73-84.	5.6	32
28	Creep behavior and microstructure of a 9Crâ€“3Coâ€“3W martensitic steel. Journal of Materials Science, 2017, 52, 2974-2988.	3.7	34
29	Effect of normalizing and tempering on structure and mechanical properties of advanced martensitic 10% Crâ€“3% Coâ€“0.2% Re steel. AIP Conference Proceedings, 2017, , .	0.4	4
30	Effect of Tungsten on Creep Behavior of 9%Crâ€“3%Co Martensitic Steels. Metals, 2017, 7, 573.	2.3	19
31	Microstructural aspects of superior creep resistance of a 10%Cr martensitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 678, 178-189.	5.6	37
32	Microstructural Evolution in a 9%Cr-3%Co-3%W-VNb Steel during Creep. Materials Science Forum, 2016, 879, 548-553.	0.3	0
33	The Role of Microstructure in Creep Strength of 9-12%Cr Steels. Materials Science Forum, 2016, 879, 36-41.	0.3	12
34	Effect of W on tempering behaviour of a 3Â%Co modified P92 steel. Journal of Materials Science, 2016, 51, 9424-9439.	3.7	26
35	Creep strength breakdown and microstructure evolution in a 3%Co modified P92 steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 654, 1-12.	5.6	86
36	Effect of Tungsten on a Dispersion of M(C,N) Carbonitrides in 9Â% Cr Steels Under Creep Conditions. Transactions of the Indian Institute of Metals, 2016, 69, 211-215.	1.5	16

#	Article	IF	Citations
37	Driving and Retarding Forces in Tempered Martensite Lath Structure. , 2016, , 125-130.		0
38	Microstructural changes in steel 10Kh9V2MFBR during creep for 40000 hours at 600Â°C. Physics of Metals and Metallography, 2015, 116, 1047-1056.	1.0	17
39	Influence of the carbon content on the phase composition and mechanical properties of P92-type steel. Physics of Metals and Metallography, 2015, 116, 1165-1174.	1.0	17
40	Structural changes of tempered martensitic 9%Crâ€“2%Wâ€“3%Co steel during creep at 650Â°C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 632-639.	5.6	106
41	Effect of Long-Term Creep on Microstructure of a 9% Cr Heat Resistant Steel. Materials Science Forum, 0, 783-786, 1839-1844.	0.3	0
42	Driving and Retarding Forces in Tempered Martensite Lath Structure. , 0, , 125-130.		0