

# Alan VaÅ ko

## List of Publications by Year in descending order

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29  
papers

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citations

1478505

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1474206

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g-index

33  
all docs

33  
docs citations

33  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Shape of Graphite Particles in Cast Irons by a Shape Factor. Materials Today: Proceedings, 2016, 3, 1199-1204.	1.8	13
2	Comparison of Fatigue Properties of Nodular Cast Iron at Low and High Frequency Cyclic Loading. Procedia Engineering, 2017, 177, 576-581.	1.2	10
3	Fatigue Properties of Nodular Cast Iron at Low Frequency Cyclic Loading. Archives of Metallurgy and Materials, 2017, 62, 2205-2210.	0.6	9
4	Impact Toughness of FRTP Composites Produced by 3D Printing. Materials, 2020, 13, 5654.	2.9	9
5	Fatigue of nodular cast iron at high frequency loading. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 436-443.	0.9	6
6	Microstructural Analysis of DV " 2 Ni " Base Superalloy Turbine Blade after High Temperature Damage. Procedia Engineering, 2017, 177, 482-487.	1.2	6
7	Microstructure, mechanical and fatigue properties of SiMo- and SiCu- nodular cast irons. Procedia Structural Integrity, 2018, 13, 1527-1532.	0.8	6
8	The High-Temperature Loading Influence on Orthorhombic Ni <sub>3</sub> Nb DOa Î - Phase Formation and its Effect on Fatigue Lifetime in Alloy 718. Manufacturing Technology, 2018, 18, 875-882.	1.4	6
9	Fatigue tests of nodular cast iron at low and high frequency cyclic loading. Materials Today: Proceedings, 2017, 4, 5985-5988.	1.8	5
10	Comparison of mechanical and fatigue properties of SiMo- and SiCu-types of nodular cast iron. Materials Today: Proceedings, 2020, 32, 168-173.	1.8	5
11	Correlation between Charge Composition and Fatigue Properties of Nodular Cast Irons. Applied Mechanics and Materials, 0, 474, 291-296.	0.2	4
12	The influence of high temperature on DV-2 jet engine Ni-based superalloy turbine blade degradation. Materials Today: Proceedings, 2017, 4, 5743-5748.	1.8	4
13	The fractography analysis of IN718 alloy after three-point flexure fatigue test. MATEC Web of Conferences, 2018, 157, 07001.	0.2	3
14	Fracture surfaces of the secondary A226 cast alloy with 0.9% Fe. Engineering Failure Analysis, 2019, 105, 688-698.	4.0	3
15	A brief overview and metallography for commonly used materials in aero jet engine construction. Production Engineering Archives, 2017, 17, 8-13.	2.4	3
16	Influence of Stress Mode on Failure Micromechanisms of Nodular Cast Iron. Applied Mechanics and Materials, 2014, 693, 382-387.	0.2	2
17	Study of the fatigue behaviour of synthetic nodular cast irons at low and high frequency cyclic loading. MATEC Web of Conferences, 2018, 157, 07014.	0.2	2
18	Comparison of low and high frequency fatigue tests. Production Engineering Archives, 2017, 17, 14-17.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Corrosion Behavior of AISI 304 Stainless Steel in Aggressive Chloride Environment. Manufacturing Technology, 2017, 17, 639-643.	1.4	2
20	Fatigue Properties of Synthetic Nodular Cast Irons. Key Engineering Materials, 2014, 635, 5-8.	0.4	1
21	Study of Artificial Aging Temperature Effect on Morphology of Structural Parameters in Aluminium Cast Alloy. Materials Science Forum, 2017, 891, 354-359.	0.3	1
22	Fracture behavior of the secondary A226 cast alloy with 0.9% Fe. Procedia Structural Integrity, 2018, 13, 1577-1582.	0.8	1
23	Fatigue Properties Of Nodular Cast Irons Alloyed By Si, Mo And Cu. System Safety Human - Technical Facility - Environment, 2019, 1, 738-744.	0.1	1
24	The SEM and TEM Analysis of IN718 Alloy after Fatigue Push-Pull Loading at 700Å°C. Defect and Diffusion Forum, 0, 405, 288-293.	0.4	1
25	Influence of Charge Composition on the Structure and Fatigue Properties of Nodular Cast Irons. Materials Science Forum, 0, 782, 295-300.	0.3	0
26	Metallography Evaluation of Cast and Wrought Ni-Base Superalloys. Materials Science Forum, 2017, 891, 414-419.	0.3	0
27	Improvement of Microstructure and Mechanical Properties of Secondary AlSi8Cu2Mn Cast Alloy by Strontium. Materials Science Forum, 0, 891, 350-353.	0.3	0
28	Comparison of FE analysis and experimentally obtained data for the identification of residual stresses in welded high-strength steel. MATEC Web of Conferences, 2019, 254, 02026.	0.2	0
29	Corrosion Resistance of SiMo- and SiCu-Types of Nodular Cast Iron in NaCl Solution. System Safety Human - Technical Facility - Environment, 2020, 2, 191-198.	0.1	0