

# Vitalij Danilchenko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3106989/publications.pdf>

Version: 2024-02-01

29  
papers

98  
citations

1684188

5  
h-index

1372567

10  
g-index

30  
all docs

30  
docs citations

30  
times ranked

51  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Cyclic Martensitic $\gamma$ - $\epsilon$ - $\gamma$ Transformations on Diffusion Characteristics of Carbon in an Iron-Manganese Alloy. Progress in Physics of Metals, 2018, 19, 70-94.	1.5	6
2	Cyclic Martensitic Transformations Influence on the Diffusion Of Carbon Atoms in Fe-18wt.%Mn-2wt.%Si alloy. Nanoscale Research Letters, 2017, 12, 194.	5.7	7
3	Ultrafine-Grained Structure of Fe-Ni-C Austenitic Alloy Formed by Phase Hardening. Nanoscale Research Letters, 2016, 11, 82.	5.7	1
4	Gradient Distribution of Martensite Phase in Melt-Spun Ribbons of a Fe-Ni-Ti-Al Alloy. Nanoscale Research Letters, 2016, 11, 96.	5.7	2
5	The Formation of Crystal Defects in a Fe-Mn-Si Alloy Under Cyclic Martensitic Transformations. Nanoscale Research Letters, 2016, 11, 135.	5.7	0
6	The effect of cyclic martensitic transformations on diffusion of cobalt atoms in Fe-18wt.%Mn-2wt.%Si alloy. Nanoscale Research Letters, 2015, 10, 178.	5.7	0
7	The effect of multiple martensitic transformations on diffusion of Fe and Ni atoms in Fe-31.7%Ni-0.06%C alloy. Nanoscale Research Letters, 2014, 9, 322.	5.7	3
8	Structure fragmentation in Fe-based alloys by means of cyclic martensitic transformations of different types. Nanoscale Research Letters, 2014, 9, 92.	5.7	3
9	Effect of Multiple Martensitic Transformations on Structure of Fe-Ni Alloys. Journal of Materials Science and Technology, 2013, 29, 279-282.	10.7	13
10	Martensitic transformation in an iron-nickel melt-quenched alloy. Physics of Metals and Metallography, 2011, 111, 253-257.	1.0	1
11	Effect of oxide phase on the tribological properties of high-chromium steels. Physics of Metals and Metallography, 2011, 112, 196-202.	1.0	0
12	Structure and properties of manganese austenitic steels quenched from the melt. Physics of Metals and Metallography, 2010, 109, 643-650.	1.0	1
13	Adjusting the linear expansion coefficient Lin Fe-Ni-Co-Ti invars by aging and phase hardening. Physics of Metals and Metallography, 2010, 110, 356-365.	1.0	1
14	Formation of a fine-grained structure of iron-nickel alloys by reversible martensite transformation. Journal of Engineering Physics and Thermophysics, 2008, 81, 633-637.	0.6	0
15	Title is missing!. Strength of Materials, 2003, 35, 200-205.	0.5	0
16	Martensite crystal structure of nickel steel at cryogenic temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 358, 26-31.	5.6	9
17	The structure and properties of Fe-Ni alloys with a nanocrystalline austenite formed under different conditions of $\gamma$ - $\epsilon$ transformations. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 337, 146-159.	5.6	40
18	Title is missing!. Metal Science and Heat Treatment, 2001, 43, 58-60.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Microstructure of phase-hardened iron-nickel alloys. Metal Science and Heat Treatment, 1994, 36, 482-485.	0.6	0
20	Martensite crystalline structure of the high-nickel alloys at cryogenic temperatures. Cryogenics, 1994, 34, 481-484.	1.7	1
21	Rules of formation of the structure of phase-strain-hardened 50N25 steel in slow heating. Metal Science and Heat Treatment, 1992, 34, 160-164.	0.6	0
22	The influence of repeated phase-transformations on the structure of iron-nickel alloys. Metal Science and Heat Treatment, 1990, 32, 811-814.	0.6	1
23	Effects of phase hardening on martensite transformations in high-nickel steel. Scripta Metallurgica Et Materialia, 1990, 24, 75-78.	1.0	0
24	Martensite twinning in quenched steel. Scripta Metallurgica, 1989, 23, 2101-2104.	1.2	4
25	High-carbon martensite decomposition and formation of carbon-enriched regions. Scripta Metallurgica, 1989, 23, 1823-1825.	1.2	3
26	Martensite decomposition in aged nickel steel. Scripta Metallurgica, 1988, 22, 1715-1718.	1.2	0
27	Influence of the structural state of austenite on characteristics of the martensite transformation in Ni steel. Scripta Metallurgica, 1982, 16, 649-651.	1.2	1
28	Effects of twinning in Austenite on the formation of martensite. Soviet Physics Journal (English) 10 Tf 50 38	0.0	0
29	Effect of laser treatment on the characteristics of martensitic transformation in Fe-Ni alloy. Applied Nanoscience (Switzerland), 0, , 1.	3.1	1