

# 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	The structure and properties of Fe–Ni alloys with a nanocrystalline austenite formed under different conditions of $\gamma \rightarrow \alpha$ transformations. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 337, 146-159.	5.6	40
2	Effect of Multiple Martensitic Transformations on Structure of Fe–Ni Alloys. <i>Journal of Materials Science and Technology</i> , 2013, 29, 279-282.	10.7	13
3	Martensite crystal structure of nickel steel at cryogenic temperatures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 358, 26-31.	5.6	9
4	Cyclic Martensitic Transformations Influence on the Diffusion Of Carbon Atoms in Fe-18wt.%Mn-2wt.%Si alloy. <i>Nanoscale Research Letters</i> , 2017, 12, 194.	5.7	7
5	Effect of Cyclic Martensitic $\gamma$ - $\epsilon$ - $\gamma$ Transformations on Diffusion Characteristics of Carbon in an Iron–Manganese Alloy. <i>Progress in Physics of Metals</i> , 2018, 19, 70-94.	1.5	6
6	Martensite twinning in quenched steel. <i>Scripta Metallurgica</i> , 1989, 23, 2101-2104.	1.2	4
7	High-carbon martensite decomposition and formation of carbon-enriched regions. <i>Scripta Metallurgica</i> , 1989, 23, 1823-1825.	1.2	3
8	The effect of multiple martensitic transformations on diffusion of Fe and Ni atoms in Fe-31.7%Ni-0.06%C alloy. <i>Nanoscale Research Letters</i> , 2014, 9, 322.	5.7	3
9	Structure fragmentation in Fe-based alloys by means of cyclic martensitic transformations of different types. <i>Nanoscale Research Letters</i> , 2014, 9, 92.	5.7	3
10	Gradient Distribution of Martensite Phase in Melt-Spun Ribbons of a Fe-Ni-Ti-Al Alloy. <i>Nanoscale Research Letters</i> , 2016, 11, 96.	5.7	2
11	Influence of the structural state of austenite on characteristics of the martensite transformation in Ni steel. <i>Scripta Metallurgica</i> , 1982, 16, 649-651.	1.2	1
12	The influence of repeated $\gamma$ -transformations on the structure of iron-nickel alloys. <i>Metal Science and Heat Treatment</i> , 1990, 32, 811-814.	0.6	1
13	Martensite crystalline structure of the high-nickel alloys at cryogenic temperatures. <i>Cryogenics</i> , 1994, 34, 481-484.	1.7	1
14	Structure and properties of manganese austenitic steels quenched from the melt. <i>Physics of Metals and Metallography</i> , 2010, 109, 643-650.	1.0	1
15	Adjusting the linear expansion coefficient Lin Fe-Ni-Co-Ti invars by aging and phase hardening. <i>Physics of Metals and Metallography</i> , 2010, 110, 356-365.	1.0	1
16	Martensitic transformation in an iron-nickel melt-quenched alloy. <i>Physics of Metals and Metallography</i> , 2011, 111, 253-257.	1.0	1
17	Ultrafine-Grained Structure of Fe-Ni-C Austenitic Alloy Formed by Phase Hardening. <i>Nanoscale Research Letters</i> , 2016, 11, 82.	5.7	1
18	Effect of laser treatment on the characteristics of martensitic transformation in Fe–Ni alloy. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.	3.1	1

#	ARTICLE	IF	CITATIONS
19	Effects of twinning in Austenite on the formation of martensite. Soviet Physics Journal (English) Tj ETQq1 1 0.784314.rgBT /Overlock 10	0.0	0
20	Martensite decomposition in aged nickel steel. Scripta Metallurgica, 1988, 22, 1715-1718.	1.2	0
21	Effects of phase hardening on martensite transformations in high-nickel steel. Scripta Metallurgica Et Materialia, 1990, 24, 75-78.	1.0	0
22	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
23	Microstructure of phase-hardened iron?nickel alloys. Metal Science and Heat Treatment, 1994, 36, 482-485.	0.6	0
24	Title is missing!. Metal Science and Heat Treatment, 2001, 43, 58-60.	0.6	0
25	Title is missing!. Strength of Materials, 2003, 35, 200-205.	0.5	0
26	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
27	Effect of oxide phase on the tribological properties of high-chromium steels. Physics of Metals and Metallography, 2011, 112, 196-202.	1.0	0
28	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
29	The Formation of Crystal Defects in a Fe-Mn-Si Alloy Under Cyclic Martensitic Transformations. Nanoscale Research Letters, 2016, 11, 135.	5.7	0