

# Zhesfina Blednova

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

92  
citations

1478505

6  
h-index

1588992

8  
g-index

41  
all docs

41  
docs citations

41  
times ranked

11  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of composite layers TiNiZr-cBN-Co, working in conditions of cyclic loading and reverse friction. <i>Procedia Structural Integrity</i> , 2016, 2, 1506-1513.	0.8	13
2	Formation of nanostructured surface layers by plasma spraying the mechanoactivated powders of alloys with shape memory effect. <i>Nanotechnologies in Russia</i> , 2010, 5, 352-363.	0.7	11
3	Structure and properties of the CoCuTiZrHf coating obtained by the HVOF method. <i>Surface Innovations</i> , 2021, 9, 120-126.	2.3	9
4	Structural behavior and mechanical properties of high-entropy coatings synthesized by HVOF. <i>Surface Innovations</i> , 2021, 9, 127-138.	2.3	8
5	Mechanical and tribological properties of "substrate" material" multifunctional composite with shape memory effect. <i>Inorganic Materials</i> , 2016, 52, 1489-1497.	0.8	7
6	Failure analysis of screw propellers and increase of fail safety by surface modification with multicomponent materials with shape memory effect. <i>Procedia Structural Integrity</i> , 2016, 2, 1497-1505.	0.8	6
7	Formation of surface layers from highly entropic materials with shape memory effect. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	6
8	Improving product performance by forming surface compositions from shape memory effect materials with a gradient of properties and phase transformation temperatures. <i>Material Design and Processing Communications</i> , 2020, 2, e132.	0.9	4
9	Ways to increase the fail-safety of screw propellers with composite surface layers made of materials with the shape memory effect. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
10	Quantification of hereditary regularities of surface layer formation and transformation made of multicomponent shape memory materials in a high-energy impact. <i>Materials Today: Proceedings</i> , 2017, 4, 4652-4657.	1.8	3
11	Physicomechanical and design characteristics of surface high-entropy alloys. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 1635-1644.	1.1	3
12	Study of the structure and properties of a high-entropy ceramic composite material. <i>Surface Innovations</i> , 2022, 10, 217-226.	2.3	3
13	Investigation of the structure and properties of nanoscale TiNiNb compositions obtained by high-energy exposure. <i>MATEC Web of Conferences</i> , 2015, 33, 03001.	0.2	2
14	Technological aspects of improving adhesion of TiNiZr coating materials with thermoelastic phase transformations formed by high-velocity oxygen-fuel spraying. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 194, 042002.	0.3	2
15	Improving the adhesive strength of coatings from multicomponent materials with thermoelastic phase transformations by external high-energy influences at various processing stages. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 889, 012009.	0.6	2
16	Analysis of the Efficiency of Functionally Oriented Composite Coatings Made of Materials with Thermoelastic Martensitic Transformations. <i>Russian Metallurgy (Metally)</i> , 2021, 2021, 1224-1232.	0.5	2
17	Increasing the cyclic endurance of steels by optimizing their structure. <i>Soviet Materials Science</i> , 1992, 27, 493-497.	0.0	1
18	Deposition of Coatings with the Shape Memory Effect on the Surface of Steels by Argon-Arc Facing. <i>Metal Science and Heat Treatment</i> , 2003, 45, 428-431.	0.6	1

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19	Formation and thermomechanical behaviour of composite surface layer containing shape memory materials during friction-cyclic loading. Tribology - Materials, Surfaces and Interfaces, 2017, 11, 7-13.	1.4	1
20	Perspectives of composition "Base" material with SME - ceramic material for the formation of multipurpose surface layers on engineering products. Materials Today: Proceedings, 2017, 4, 4658-4663.	1.8	1
21	Structure and functional properties of TiNiZr surface layers obtained by high-velocity oxygen fuel spraying. Journal of Physics: Conference Series, 2017, 857, 012035.	0.4	1
22	Features Cavitation Resistance of Multifunctional Coatings from Materials with a Shape Memory Effect. Minerals, Metals and Materials Series, 2018, , 213-219.	0.4	1
23	Evaluation of Cyclic Durability in Surfacedmodified Layers with TiNiZr Thermoelastic Phase Transformations. MATEC Web of Conferences, 2018, 142, 03005.	0.2	1
24	Structure and properties of high entropy films made of FeNiCoAlW alloy with thermoelastic phase transformations obtained by magnetron sputtering. AIP Conference Proceedings, 2020, , .	0.4	1
25	Effect of temperature and cyclically cumulated strain on the Bauschinger effect. Strength of Materials, 1987, 19, 49-51.	0.5	0
26	On certain design features of thin-walled pressure vessels for chemical battery systems. Materials Science, 1994, 29, 580-590.	0.9	0
27	Title is missing!. Metal Science and Heat Treatment, 2002, 44, 460-461.	0.6	0
28	Structural and technological formation of surface nanostructured Ti-Ni-Mo layers by high-speed gas-flame spraying. MATEC Web of Conferences, 2015, 33, 03002.	0.2	0
29	Research on the structure and properties of TiNiHfCu " hBN-Co composite materials. AIP Conference Proceedings, 2016, , .	0.4	0
30	Features of cavitation destruction of multilayered composite coatings based on TiNi with a wear-resistant cBN-Co layer. AIP Conference Proceedings, 2017, , .	0.4	0
31	Investigation of mechanical characteristics of composite surface layers using materials with thermoelastic properties. AIP Conference Proceedings, 2017, , .	0.4	0
32	Engineering Design of Safe Automobile Front Strut Tower Brace with Predetermined Destruction. IOP Conference Series: Materials Science and Engineering, 2018, 327, 032039.	0.6	0
33	Constructive-technological peculiarities of the machinery for implementing the technology of the surface modification by high-entropic materials with SME under the conditions of high-voltage pulse electromechanical influences. IOP Conference Series: Materials Science and Engineering, 2020, 889, 012008.	0.6	0
34	Deformation behavior of a surface composition of materials with shape memory effect in the conditions of multi-factor impacts. Materials Today: Proceedings, 2021, 38, 1908-1914.	1.8	0
35	Analysis of efficiency of functionally oriented composite coatings made of materials with thermoelastic martensitic transformations. Deformatsiya I Razrushenie Materialov, 2021, , 10-18.	0.1	0
36	ADEQUACY ANALYSIS OF A CALCULATION MODEL OF THE FRAME OF THE ALTERNATIVE DRIVE OF A GRAIN HARVESTER. Polythematic Online Scientific Journal of Kuban State Agrarian University, 2021, , 56-64.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Investigation of the structure and properties of high-entropy alloy Zr-Nb-Ti-Ta-Hf surface-modified by high velocity oxygen fuel spraying. AIP Conference Proceedings, 2020, , .	0.4	0
38	Evaluation of Cyclic Durability in Surfacedmodified Layers with TiNiZr Thermoelastic Phase Transformations. MATEC Web of Conferences, 2018, 142, 03005.	0.2	0
39	Formation of High-Entropy Multilayer Compositions with a Hierarchical Structure. Key Engineering Materials, 0, 910, 642-647.	0.4	0
40	Research of structure and mechanical properties of high-entropic heat- and wear-resistant compositions TiNiZrHfCoCu-cBNCoNiAlY. AIP Conference Proceedings, 2022, , .	0.4	0
41	Characteristics of a thin-film high-entropy coating Fe <sub>40</sub> Ni <sub>23.5</sub> Al <sub>22.8</sub> Co <sub>12.8</sub> W <sub>0.9</sub> obtained by radio-frequency magnetron sputtering. AIP Conference Proceedings, 2022, , .	0.4	0