

# Ludmila Afanasieva

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

60  
citations

1937685

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h-index

1720034

7  
g-index

18  
all docs

18  
docs citations

18  
times ranked

41  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a linear position sensor with a Hall effect element. Measurement Science and Technology, 1994, 5, 853-860.	2.6	12
2	Surface micromorphology and abrasive wear resistance of tool steel after gas-laser cutting. Journal of Surface Investigation, 2016, 10, 1231-1238.	0.5	8
3	Mechanical Properties of SiC-Fiber-Reinforced Reaction-Bonded Silicon Carbide. Inorganic Materials, 2020, 56, 425-429.	0.8	6
4	Laser cladding of NiCrBSiFe-WC coating with multichannel laser. Letters on Materials, 2018, 8, 268-273.	0.7	6
5	On the Surface Micromorphology and Structure of Stainless Steel Obtained via Selective Laser Melting. Journal of Surface Investigation, 2018, 12, 1082-1087.	0.5	4
6	Role of Structural Factor in Elevation of Wear Resistance of a Ni-Cr-B-Si Coating after Laser Treatment. Metal Science and Heat Treatment, 2020, 61, 581-587.	0.6	4
7	Thermal remagnetization effect in RE <sub>i</sub> -Fe-B permanent magnets. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1103-1104.	2.3	3
8	Effect of diamond smoothing on the structure and properties of the deposited metal in the laser-affected zone. Metal Science and Heat Treatment, 2009, 51, 606-609.	0.6	3
9	Strength of deposited high-speed steel in the process of gas laser cutting. Metal Science and Heat Treatment, 2009, 51, 352-355.	0.6	2
10	Alloy Ti-6Al-4V Microstructure and Properties Prepared by Layer-by-Layer Electron-Beam Synthesis. Metal Science and Heat Treatment, 2015, 57, 354-358.	0.6	2
11	Increasing the Wear Resistance of Steels by Multichannel Laser Hardening. Russian Metallurgy (Metally), 2018, 2018, 1293-1295.	0.5	2
12	Abrasive Wear Resistance of High-Speed Steel R6M5 after Laser Melting and Tempering. Journal of Friction and Wear, 2019, 40, 392-395.	0.5	2
13	Transformation of 20D¥13 steel structure during intensive friction interactions. Journal of Friction and Wear, 2017, 38, 47-52.	0.5	1
14	Hardening of structural steel by a multichannel CO2 laser. Letters on Materials, 2017, 7, 8-11.	0.7	1
15	Control of the domain structure and stray fields of MEMS magnetic elements by electron microscopy. Journal of Surface Investigation, 2015, 9, 913-916.	0.5	0
16	Selective Laser Melting of Corrosion-Resistant Steel. Russian Metallurgy (Metally), 2019, 2019, 1433-1437.	0.5	0
17	Effect of Laser Quenching on the Microstructure and the Abrasive Wear Resistance of 30KhGSA Steel. Russian Metallurgy (Metally), 2020, 2020, 45-49.	0.5	0