

# Georgiy I Prokopenko

## List of Publications by Year in descending order

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18  
papers

1,093  
citations

516561

16  
h-index

839398

18  
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19  
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19  
docs citations

19  
times ranked

682  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure related enhancement in wear resistance of tool steel AISI D2 by applying laser heat treatment followed by ultrasonic impact treatment. <i>Surface and Coatings Technology</i> , 2017, 328, 344-354.	2.2	56
2	Effects of ultrasonic impact treatment combined with the electric discharge surface alloying by molybdenum on the surface related properties of low-carbon steel G21Mn5. <i>Surface and Coatings Technology</i> , 2017, 309, 969-979.	2.2	24
3	Improved fatigue behavior of low-carbon steel 20GL by applying ultrasonic impact treatment combined with the electric discharge surface alloying. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 659, 119-129.	2.6	56
4	Influence of microstructural modifications induced by ultrasonic impact treatment on hardening and corrosion behavior of wrought Co-Cr-Mo biomedical alloy. <i>Materials Science and Engineering C</i> , 2016, 58, 1024-1035.	3.8	50
5	Surface microrelief and hardness of laser hardened and ultrasonically peened AISI D2 tool steel. <i>Surface and Coatings Technology</i> , 2015, 278, 108-120.	2.2	41
6	Wear assessment of composite surface layers in Al-6Mg alloy reinforced with AlCuFe quasicrystalline particles: Effects of particle size, microstructure and hardness. <i>Wear</i> , 2014, 319, 84-95.	1.5	55
7	Enhanced fatigue durability of Al-6 Mg alloy by applying ultrasonic impact peening: Effects of surface hardening and reinforcement with AlCuFe quasicrystalline particles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 563, 138-146.	2.6	57
8	Structurally induced enhancement in corrosion resistance of Zr-2.5%Nb alloy in saline solution by applying ultrasonic impact peening. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 453-461.	2.6	72
9	Ultrafine-grained textured surface layer on Zr-1%Nb alloy produced by ultrasonic impact peening for enhanced corrosion resistance. <i>Surface and Coatings Technology</i> , 2012, 210, 54-61.	2.2	86
10	Ti particle-reinforced surface layers in Al: Effect of particle size on microstructure, hardness and wear. <i>Materials Characterization</i> , 2010, 61, 1126-1134.	1.9	23
11	Structure, microhardness and damping characteristics of Al matrix composite reinforced with AlCuFe or Ti using ultrasonic impact peening. <i>Surface and Coatings Technology</i> , 2010, 204, 1590-1598.	2.2	54
12	Characterization of ultrasonically peened and laser-shock peened surface layers of AISI 321 stainless steel. <i>Surface and Coatings Technology</i> , 2008, 202, 4875-4883.	2.2	155
13	Ultrasonic impact peening for the surface properties management. <i>Journal of Sound and Vibration</i> , 2007, 308, 855-866.	2.1	199
14	Fatigue life improvement of $\alpha$ -titanium by novel ultrasonically assisted technique. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 437, 396-405.	2.6	96
15	Mechanical alloying of powder materials by ultrasonic milling. <i>Ultrasonics</i> , 2004, 42, 43-46.	2.1	27
16	Mössbauer and X-ray studies of Fe-powder mechanically alloyed with C using power ultrasonics. <i>Ultrasonics</i> , 2004, 42, 47-51.	2.1	17
17	Acoustic emission examination of embrittlement of aluminum and AMg6 alloy in interaction with liquid gallium. <i>Soviet Materials Science</i> , 1990, 26, 247-251.	0.0	3
18	Ultrasonic shock treatment of certain industrial alloys and their structural changes. <i>Metal Science and Heat Treatment</i> , 1983, 25, 384-387.	0.2	3