

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
g-index

19
all docs

19
docs citations

19
times ranked

682
citing authors

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