Anton V Polunin

List of Publications by Year
in descending order

16	102	1307594 7	1372567 10
papers	citations	h-index	g-index

16	16	16	39
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of silica nanoparticles addition on formation of oxide layers on Al Si alloy by plasma electrolytic oxidation: The origin of stishovite under ambient conditions. Surface and Coatings Technology, 2022, 441, 128556.	4.8	11
2	Special Features of the Structure and Properties of Continuously Cast Billet from Steel R6M5. Metal Science and Heat Treatment, 2021, 62, 669-676.	0.6	0
3	Improvement of oxide layers formed by plasma electrolytic oxidation on cast Al Si alloy by incorporating TiC nanoparticles. Surface and Coatings Technology, 2021, 423, 127603.	4.8	25
4	The effect of process current parameters on the properties of oxide layers under plasma electrolytic oxidation of AMg6 alloy. Journal of Physics: Conference Series, 2021, 2144, 012018.	0.4	0
5	Regularities and features of acoustic emission under plasma electrolytic oxidation of wrought Al-Mg alloy. Journal of Physics: Conference Series, 2021, 2144, 012020.	0.4	1
6	Effects of different nanoparticles additions on composition and properties of oxide layers formed by plasma electrolytic oxidation on cast Al-Si alloy. Journal of Physics: Conference Series, 2020, 1713, 012035.	0.4	1
7	Influence of nanoparticle additions to the electrolyte on the structure, composition and corrosion resistance of oxide layers formed by PEO on cast Mg alloy. Journal of Physics: Conference Series, 2020, 1713, 012036.	0.4	1
8	Effect of SiO2 Nanoparticles and Soluble Silicate on the Composition and Properties of Oxide Layers Formed by Microarc Oxidizing on Magnesium Mg96. Metal Science and Heat Treatment, 2019, 61, 149-156.	0.6	8
9	The effect of dispersity of silicon dioxide nanoparticles added to electrolyte on the composition and properties of oxide layers formed by plasma electrolytic oxidation on magnesium 9995A. Materials Letters, 2019, 241, 119-122.	2.6	17
10	The effect of current frequency on the structure, composition and properties of oxide layers formed by plasma electrolytic oxidation on aluminum-silicon alloy. Journal of Physics: Conference Series, 2019, 1396, 012031.	0.4	0
11	The effect of tungsten carbide nanoparticles added to electrolyte on the composition and properties of oxide layers formed by plasma electrolytic oxidation on pre-eutectic silumin. Journal of Physics: Conference Series, 2019, 1396, 012032.	0.4	3
12	The influence of SiO₂ nanoparticles addition into electrolyte on the thermal conductivity of oxide layer formed on eutectic aluminum-silicon alloy by PEO. Journal of Physics: Conference Series, 2018, 1121, 012014.	0.4	1
13	The influence of SiO₂ nanoparticles addition into electrolyte on the wear resistance of oxide layers formed by PEO on aluminum-silicon alloy. Journal of Physics: Conference Series, 2018, 1121, 012025.	0.4	2
14	Wear resistance of the oxide layers formed on AK9pch silumin by microarc oxidation in an electrolyte modified by silicon dioxide nanoparticles. Russian Metallurgy (Metally), 2016, 2016, 385-388.	0.5	7
15	Changes in the phase composition of oxide layers produced by microarc oxidation on Alâ€“Si and Mg alloys induced by additions of SiO2 nanoparticles to the electrolyte. Doklady Physical Chemistry, 2016, 469, 93-96.	0.9	13
16	Effect of Nanosize SiO2 Particles Added into Electrolyte on the Composition and Morphology of Oxide Layers Formed in Alloy AK6M2 Under Microarc Oxidizing. Metal Science and Heat Treatment, 2015, 57, 428-435.	0.6	12