

# Anton V Polunin

## List of Publications by Year in descending order

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16  
papers

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citations

1307594

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1372567

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