

# Maksim Shtayger

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13  
papers

153  
citations

9  
h-index

12  
g-index

13  
ext. papers

167  
ext. citations

0.4  
avg, IF

2.94  
L-index

#	Paper	IF	Citations
13	Structure of the surface layer and the microhardness of high-carbon instrumental steel after laser treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2021</b> , 1111, 012004	0.4	
12	Surface hardening of structural steel by cathode spot of welding arc. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 560, 012138	0.4	12
11	Investigation of macro and micro structures of compounds of high-strength rails implemented by contact butt welding using burning-off. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 560, 012190	0.4	11
10	Comparative evaluation of corrosion resistance of wheel and rail steels in various media. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 560, 012181	0.4	18
9	Application of plasma surface quenching to reduce rail side wear. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 560, 012146	0.4	21
8	Quality and reliability improvement of tube-tube plate welded joints during welding by pulse pressure. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 560, 012142	0.4	5
7	Comparative evaluation of austenite grain in high-strength rail steel during welding, thermal processing and plasma surface hardening. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 560, 012185	0.4	12
6	Technologies, which allow to reduce an impact of metal silicon production on the environment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 411, 012028	0.4	16
5	Plasma-arc surface modification of metals in a liquid medium. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 411, 012013	0.4	12
4	Complex metallographic researches of 110G13L steel after heat treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 411, 012014	0.4	11
3	Comparative metallographic analysis of the structure of St3 steel after being exposed to different ways of work-hardening. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 411, 012012	0.4	7
2	Capability enhancement of production of activating fluxes for arc welding using ultradispersed products of silicon waste processing. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 411, 012035	0.4	22
1	Comparative analysis of structural state of welded joints rails using method of Barkhausen effect and ultrasound. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1118, 012006	0.3	6