

# Maksim Shtayger

## List of Publications by Year in descending order

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13  
papers

174  
citations

1170033  
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1427216  
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structure of the surface layer and the microhardness of high-carbon instrumental steel after laser treatment. IOP Conference Series: Materials Science and Engineering, 2021, 1111, 012004.	0.3	0
2	Surface hardening of structural steel by cathode spot of welding arc. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012138.	0.3	12
3	Investigation of macro and micro structures of compounds of high-strength rails implemented by contact butt welding using burning-off. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012190.	0.3	14
4	Comparative evaluation of corrosion resistance of wheel and rail steels in various media. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012181.	0.3	19
5	Application of plasma surface quenching to reduce rail side wear. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012146.	0.3	25
6	Quality and reliability improvement of tube-tube plate welded joints during welding by pulse pressure. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012142.	0.3	6
7	Comparative evaluation of austenite grain in high-strength rail steel during welding, thermal processing and plasma surface hardening. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012185.	0.3	13
8	Technologies, which allow to reduce an impact of metal silicon production on the environment. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012028.	0.3	17
9	Plasma-arc surface modification of metals in a liquid medium. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012013.	0.3	14
10	Complex metallographic researches of 110G13L steel after heat treatment. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012014.	0.3	11
11	Comparative metallographic analysis of the structure of St3 steel after being exposed to different ways of work-hardening. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012012.	0.3	11
12	Comparative analysis of structural state of welded joints rails using method of Barkhausen effect and ultrasound. Journal of Physics: Conference Series, 2018, 1118, 012006.	0.3	9
13	Capability enhancement of production of activating fluxes for arc welding using ultradispersed products of silicon waste processing. IOP Conference Series: Materials Science and Engineering, 0, 411, 012035.	0.3	23