

# Peter Futas

## List of Publications by Year in descending order

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26  
papers

96  
citations

1478505

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h-index

1474206

9  
g-index

26  
all docs

26  
docs citations

26  
times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure analysis of a railway brake disc with the use of casting process simulation. Engineering Failure Analysis, 2019, 95, 226-238.	4.0	17
2	Influence of Steel Scrap in the Charge on the Properties of Gray Cast Iron. ISIJ International, 2017, 57, 374-379.	1.4	15
3	Change of the Chemical and Mineralogical Composition of the Slag during Oxygen Blowing in the Oxygen Converter Process. Metals, 2018, 8, 844.	2.3	12
4	Cupola Furnace Slag: Its Origin, Properties and Utilization. International Journal of Metalcasting, 2019, 13, 627-640.	1.9	12
5	Study of the Influence of Intermix Conditions on Steel Cleanliness. Metals, 2018, 8, 852.	2.3	10
6	Failure analysis of a clutch wheel for wind turbines with the use of casting process simulation. Engineering Failure Analysis, 2022, 135, 106159.	4.0	6
7	THE STUDY OF SYNTHETIC CAST IRON QUALITY MADE FROM STEEL SCRAP. , 2018, , .		5
8	Possibilities Reducing of Energy Consumption by Cast Iron Production in Foundry. Materials Science Forum, 2020, 998, 36-41.	0.3	3
9	COMPUTER SIMULATION OF CASTING PRODUCED BY INVESTMENT CASTING TECHNOLOGY. , 2013, , .		3
10	The indentation size effect of sintered Fe/3.3â€‰wt-%Cuâ€‰+â€‰C<sub>n</sub>H<sub>m</sub> measured by Vickers scale. Materials Science and Technology, 2020, 36, 403-408.	1.6	2
11	INDENTATION SIZE EFFECT OF HEAT TREATED ALUMINUM ALLOY. Acta Metallurgica Slovaca, 2019, 25, 166-173.	0.7	2
12	The load dependence of the micro-hardness of the blast furnace slag. Metallurgical and Materials Engineering, 2020, 26, 329-340.	0.5	2
13	The GIST of Thermal Stresses of Cast Iron Castings. Manufacturing Technology, 2013, 13, 173-178.	1.4	2
14	Influence the Composition of the Core Mixture to the Occurrence of Veining on Castings of Cores Produced by Cold-Box-Amine Technology. Manufacturing Technology, 2017, 17, 39-44.	1.4	2
15	Cleanness and Mechanical Properties of Steel after Remelting under Different Slags by ESR. Key Engineering Materials, 2014, 635, 112-117.	0.4	1
16	Abrasion Wear Resistance of Ni - Mo Alloyed High-Chromium Cast Iron. Materials Science Forum, 2020, 998, 30-35.	0.3	1
17	Influence of Charge Composition on EN-GJS-500-7 Ductile Iron Properties in Foundry Operating Conditions. Materials Science Forum, 2020, 998, 42-47.	0.3	1
18	Fluidity Test of Al-Si Alloy Using by Computer Simulation. Key Engineering Materials, 2014, 635, 45-50.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Influence of Metallurgical Treatment on Properties of Ductile Cast Iron GJS 400-18 LT. Key Engineering Materials, 2014, 635, 177-181.	0.4	0
20	Computer simulation of railway wagon brake disc casting. MATEC Web of Conferences, 2018, 235, 00026.	0.2	0
21	Influence of Addition of Briquettes with Dust Content into the Charge of Electric Induction Furnace on Cast Iron Quality. Archives of Foundry Engineering, 2012, 12, 95-98.	0.4	0
22	SIMULATION OF FILLING AND SOLIDIFICATION OF SPECIFIC CASTING MADE FROM GRAY CAST IRON. , 2017, , .		0
23	DIMENSIONING GATING SYSTEM FOR THE CASTING PRODUCED BY INVESTMENT CASTING AND ITS VERIFICATION VIA COMPUTER SIMULATION. , 2017, , .		0
24	FLUIDITY OF AL $\frac{1}{2}$ SI $\frac{1}{2}$ CU ALLOY: TESTS AND COMPUTER SIMULATION. , 2018, , .		0
25	THE COMPOSITION OF SECONDARY TIN AND ITS HARDNESS. , 2019, , .		0
26	IMPROVING THE PROPERTIES OF CAST IRON MADE FROM STEEL SCRAP BY TI ALLOYING. , 2019, , .		0