

# Dorota Kalisz

## List of Publications by Year in descending order

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26  
papers

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citations

1478505

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h-index

1588992

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g-index

26  
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docs citations

26  
times ranked

59  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence the FeO Content on Slag Viscosity at his Spraying. Increase the Life of the Refractory Lining. Glass and Ceramics (English Translation of Steklo I Keramika), 2016, 73, 144-148.	0.6	10
2	Modeling Physicochemical Properties of Mold Slag. Archives of Metallurgy and Materials, 2014, 59, 149-155.	0.6	8
3	Influence of Selected Deoxidizers on Chemical Composition of Molten Inclusions in Liquid Steel. Journal of Materials Engineering and Performance, 2020, 29, 1479-1487.	2.5	8
4	PSG Method for Simulating Agglomeration of Al <sub>2</sub> O <sub>3</sub> Inclusions in Liquid Steel. Acta Physica Polonica A, 2016, 130, 157-159.	0.5	8
5	Modeling of the Formation of AlN Precipitates During Solidification of Steel. Archives of Foundry Engineering, 2013, 13, 63-68.	0.4	7
6	Computer Simulation of Microsegregation of Sulphur and Manganese and Formation of MnS Inclusions while Casting Rail Steel. Archives of Metallurgy and Materials, 2016, 61, 1939-1944.	0.6	6
7	Thermodynamic and kinetic simulation of Y <sub>2</sub> O <sub>3</sub> and Y <sub>2</sub> S <sub>3</sub> nonmetallic phase formation in liquid steel. Journal of Mining and Metallurgy, Section B: Metallurgy, 2020, 56, 11-25.	0.8	6
8	Investigation of the Physicochemical Properties of Slag Splashed on the Lining of an Oxygen Converter1. Refractories and Industrial Ceramics, 2018, 58, 463-468.	0.6	5
9	Physical and Numerical Modeling of the Slag Splashing Process. Materials, 2021, 14, 2289.	2.9	5
10	Influence of Casting Mold Slag on the Progress of Casting Process / Wpływ Właściwości Zuzła Krystalizatorowego Na Przebieg Procesu Odlewania. Archives of Metallurgy and Materials, 2013, 58, 35-41.	0.6	4
11	Interaction of Non-Metallic Inclusion Particles with Advancing Solidification Front. Archives of Metallurgy and Materials, 2014, 59, 493-500.	0.6	4
12	Analysis of Agglomeration of Al <sub>2</sub> O <sub>3</sub> Particles in Liquid Steel. Archives of Metallurgy and Materials, 2016, 61, 2091-2096.	0.6	3
13	Study of the Phase and Mineralogical Properties of Converter Slag During Splashing to Improve Lining Resistance. Refractories and Industrial Ceramics, 2018, 59, 403-409.	0.6	3
14	Evolution of Chemical Composition and Modeling of Growth Nonmetallic Inclusions in Steel Containing Yttrium. Materials, 2021, 14, 7113.	2.9	3
15	POWER INCREASE OF SUPERSONIC JETS IN OXYGEN CONVERTER. IOP Conference Series: Materials Science and Engineering, 2018, 461, 012078.	0.6	2
16	Thermodynamic Characteristics of Y <sub>2</sub> O <sub>3</sub> and Y <sub>2</sub> S <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> and Y <sub>2</sub> S <sub>3</sub> Nonmetallic Phase Formed in Liquid Steel. Key Engineering Materials, 0, 844, 9-23.	0.4	2
17	Modeling of TiN and Ti <sub>2</sub> O <sub>3</sub> Precipitates Formation During Solidification of Steel/ Modelowanie Powstawania Wydzielań, TiN i Ti <sub>2</sub> O <sub>3</sub> W Procesie Krzepnięcia Stali. Archives of Metallurgy and Materials, 2014, 59, 1386-1392.	0.6	1
18	Interaction mechanism of non-metallic particles with crystallization front. Archives of Metallurgy and Materials, 2017, 62, 205-210.	0.6	1

#	ARTICLE	IF	CITATIONS
19	The effect of yttrium addition on the chemical composition of the non-metallic phase in liquid steel. IOP Conference Series: Materials Science and Engineering, 2018, 461, 012093.	0.6	1
20	Identification of Yield Point of Polymer-Based Composite Material in the Conditions of Increased Temperatures. Archives of Metallurgy and Materials, 2016, 61, 1561-1566.	0.6	1
21	Computer Simulation of the Formation of Non-Metallic Precipitates During a Continuous Casting of Steel. Archives of Metallurgy and Materials, 2016, 61, 335-340.	0.6	0
22	Numerical Model of Sic Particle Interaction with Solidification Front in Az91/(SiCp) Composite. Archives of Metallurgy and Materials, 2017, 62, 1625-1628.	0.6	0
23	The behaviour of Al <sub>2</sub> O <sub>3</sub> precipitation at the steel-slag interface. IOP Conference Series: Materials Science and Engineering, 2018, 461, 012047.	0.6	0
24	PSG method for the simulation of carbon particles accumulation in the flotation process. IOP Conference Series: Materials Science and Engineering, 2019, 641, 012027.	0.6	0
25	Evaluation of the impact of the CO/C reducer on the CO <sub>2</sub> formation in the process of pyrometallurgical recovery of Fe from converter slag. IOP Conference Series: Materials Science and Engineering, 2019, 641, 012002.	0.6	0
26	Modeling the Filler Phase Interaction with Solidification Front in Al(TiC) Composite Produced by the In Situ Method. Materials, 2021, 14, 7560.	2.9	0