

# Borys Palianytsia

## List of Publications by Year in descending order

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10  
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#	ARTICLE	IF	CITATIONS
1	Kinetics of Valeric Acid Ketonization and Ketenization in Catalytic Pyrolysis on Nanosized $\text{SiO}_2$ , $\text{Al}_2\text{O}_3$ , $\text{CeO}_2/\text{SiO}_2$ , $\text{Al}_2\text{O}_3/\text{SiO}_2$ and $\text{TiO}_2/\text{SiO}_2$ . ChemPhysChem, 2017, 18, 1943-1955.	2.1	30
2	Thermal Transformation of Caffeic Acid on the Nanoceria Surface Studied by Temperature Programmed Desorption Mass-Spectrometry, Thermogravimetric Analysis and FT-IR Spectroscopy. Colloids and Interfaces, 2019, 3, 34.	2.1	20
3	Chemisorption and thermally induced transformations of polydimethylsiloxane on the surface of nanoscale silica and ceria/silica. Polymer Degradation and Stability, 2015, 120, 203-211.	5.8	19
4	Catalytic Pyrolysis of Aliphatic Carboxylic Acids into Symmetric Ketones over Ceria-Based Catalysts: Kinetics, Isotope Effect and Mechanism. Catalysts, 2020, 10, 179.	3.5	19
5	Dimethylsilanone Generation from Pyrolysis of Polysiloxanes Filled with Nanosized Silica and Ceria/Silica. ChemPlusChem, 2016, 81, 1003-1013.	2.8	15
6	Rice Husk Hydrolytic Lignin Transformation in Carbonization Process. Molecules, 2019, 24, 3075.	3.8	10
7	Catalytic Pyrolysis of Lignin Model Compounds (Pyrocatechol, Guaiacol, Vanillic and Ferulic Acids) over Nanoceria Catalyst for Biomass Conversion. Applied Sciences (Switzerland), 2021, 11, 7205.	2.5	9
8	Study of the Thermal Decomposition of Some Components of Biomass by Desorption Mass Spectrometry. Springer Proceedings in Physics, 2014, , 19-25.	0.2	9
9	Catalytic Pyrolysis of Lignin Model Compound (Ferulic Acid) over Alumina: Surface Complexes, Kinetics, and Mechanisms. Catalysts, 2021, 11, 1508.	3.5	5
10	Decarboxylation of p-Coumaric Acid during Pyrolysis on the Nanoceria Surface. Colloids and Interfaces, 2021, 5, 48.	2.1	4