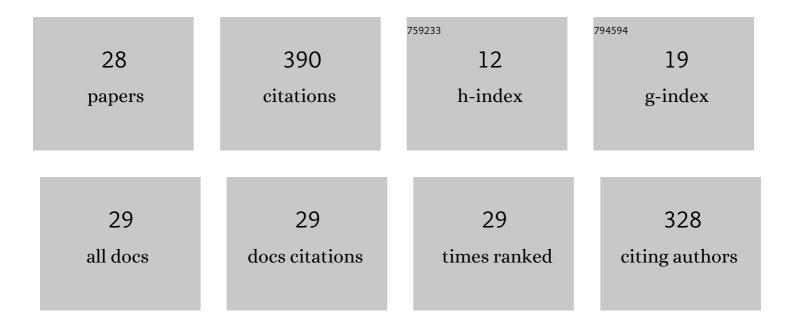
Elena Victorovna Ovchinnikova

List of Publications by Year in descending order

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Elena Victorovna

#	Article	IF	CITATIONS
1	A technology for pilot production of bacterial cellulose from oat hulls. Chemical Engineering Journal, 2020, 383, 123128.	12.7	57
2	Pilot technology of ethanol production from oat hulls for subsequent conversion to ethylene. Chemical Engineering Journal, 2017, 329, 178-186.	12.7	32
3	Catalytic dehydration of bioethanol to ethylene. Catalysis in Industry, 2016, 8, 152-167.	0.7	31
4	lsomerization of n-butane over Pd–SO4/ZrO2 catalyst: Prospects for commercial application. Chemical Engineering Journal, 2014, 238, 148-156.	12.7	30
5	Microchannel reactor for intensifying oxidation of methanol to formaldehyde over Fe-Mo catalyst. Chemical Engineering Journal, 2017, 308, 135-141.	12.7	27
6	Oxidation of \hat{l}^2 -picoline to nicotinic acid over V2O5-TiO2 catalyst: Kinetic studies and reaction mechanism. Chemical Engineering Journal, 2009, 154, 60-68.	12.7	20
7	Ethanol-to-ethylene dehydration on acid-modified ring-shaped alumina catalyst in a tubular reactor. Chemical Engineering Journal, 2019, 374, 605-618.	12.7	20
8	kinetics of the oxidation of b-picoline to nicotinic acid over vanadia-titania catalyst, 1. The network of the reaction and the effect of water. Reaction Kinetics and Catalysis Letters, 2004, 82, 191-197.	0.6	19
9	Gas Phase Catalytic Oxidation of β-Picoline to Nicotinic Acid: Catalysts, Mechanism and Reaction Kinetics. Catalysis Reviews - Science and Engineering, 2012, 54, 399-436.	12.9	18
10	Mechanism of b-picoline oxidation to nicotinic acid on V-Ti-O catalyst as studied by in situFTIR. Reaction Kinetics and Catalysis Letters, 2006, 87, 387-394.	0.6	17
11	Study of acid-modified aluminum oxides produced by centrifugal thermal activation in dehydration of ethanol. Russian Journal of Applied Chemistry, 2016, 89, 683-689.	0.5	14
12	Influence of the process parameters on temperature conditions and productivity of multitubular reactor for methanol to formaldehyde oxidation. Catalysis in Industry, 2013, 5, 297-311.	0.7	13
13	Multichannel microreactors for highly exothermic catalytic process: The influence of thermal conductivity of reactor material and of transport phenomena inside the channels on the process efficiency. Chemical Engineering Journal, 2021, 409, 128046.	12.7	12
14	Optimal design of ring-shaped alumina catalyst: A way to intensify bioethanol-to-ethylene production in multi-tubular reactor. Chemical Engineering Research and Design, 2019, 145, 1-11.	5.6	11
15	The role of water in selective heterogeneous catalytic oxidation of hydrocarbons. Molecular Catalysis, 2020, 484, 110734.	2.0	9
16	Miscanthus bioprocessing using HNO3-pretreatment to improve productivity and quality of bioethanol and downstream ethylene. Industrial Crops and Products, 2022, 177, 114448.	5.2	9
17	Mechanism of the oxygen involvement in nicotinic acid formation under β-picoline oxidation on V-Ti-O catalyst. Catalysis Today, 2010, 157, 39-43.	4.4	8
18	Mathematical modeling of β-picoline oxidation to nicotinic acid in multitubular reactor: Effect of the gas recycle. Chemical Engineering Journal, 2011, 176-177, 114-123.	12.7	8

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#	Article	IF	CITATIONS
19	Activities of industrial alumina based catalysts in the dehydration of ethanol to ethylene. Catalysis in Industry, 2016, 8, 134-138.	0.7	7
20	Kinetics of the β-picoline oxidation to nicotinic acid over vanadia-titania catalyst. 2. Effect of dioxygen and β-picoline. Reaction Kinetics and Catalysis Letters, 2008, 93, 203-210.	0.6	6
21	Dehydration of Ethanol to Ethylene on Ring- and Trilobe-Shaped Catalysts. Russian Journal of Applied Chemistry, 2018, 91, 1486-1492.	0.5	4
22	Effect of the Isopropanol Impurity in the Feed on Catalytic Dehydration of Bioethanol to Ethylene. Russian Journal of Applied Chemistry, 2020, 93, 721-728.	0.5	4
23	Kinetics of oxidation of $\hat{1}^2$ -picoline to nicotinic acid over vanadia-titania catalyst. 4. Kinetic model. Reaction Kinetics and Catalysis Letters, 2009, 96, 91-100.	0.6	3
24	Oxidation of methanol to formaldehyde in microchannel reactors: prospects and limitations. Catalysis in Industry, 2016, 8, 199-204.	0.7	3
25	Bioprocessing of Oat Hulls to Ethylene: Impact of Dilute HNO ₃ - or NaOH-Pretreatment on Process Efficiency and Sustainability. ACS Sustainable Chemistry and Engineering, 2021, 9, 16588-16596.	6.7	3
26	Catalytic purification of gas emissions at widely varying concentrations of volatile organic compounds. Catalysis in Industry, 2014, 6, 329-337.	0.7	2
27	Mathematical Modeling of the Dehydrating Ethanol to Ethylene Process in a Multitubular Reactor on a Ring-Shaped Alumina Catalyst. Catalysis in Industry, 2019, 11, 80-86.	0.7	2
28	Nicotinic acid synthesis at elevated β-picoline load: Exploring the possibility to intensify the process. Chemical Engineering Research and Design, 2021, 171, 63-72.	5.6	1