

# Evguenii I Kozliak

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56

papers

655

citations

13

h-index

24

g-index

56

ext. papers

801

ext. citations

4.8

avg, IF

3.91

L-index

#	Paper	IF	Citations
56	New path in the thermal cracking of triacylglycerols (canola and soybean oil). <i>Fuel</i> , <b>2011</b> , 90, 2598-2608	7.1	86
55	Biodegradation of lignin by fungi, bacteria and laccases. <i>Bioresource Technology</i> , <b>2016</b> , 220, 414-424	11	68
54	Thermal Liquefaction of Lignin to Aromatics: Efficiency, Selectivity, and Product Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5106-5122	8.3	60
53	Triacylglyceride Thermal Cracking: Pathways to Cyclic Hydrocarbons. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 672-685	8.5	53
52	AROMATIZATION OF PROPYLENE OVER HZSM-5: A DESIGN OF EXPERIMENTS (DOE) APPROACH. <i>Chemical Engineering Communications</i> , <b>2013</b> , 200, 1039-1056	2.2	50
51	Distinguishing Enolic and Carbonyl Components in the Mechanism of Carboxylic Acid Ketonization on Monoclinic Zirconia. <i>ACS Catalysis</i> , <b>2012</b> , 2, 1555-1562	13.1	43
50	Size exclusion chromatography of lignin: The mechanistic aspects and elimination of undesired secondary interactions. <i>Journal of Chromatography A</i> , <b>2018</b> , 1534, 101-110	4.5	19
49	Styrene Biofiltration Using Two Packing Materials with Different Adsorption Properties. <i>Environmental Engineering Science</i> , <b>2009</b> , 26, 195-208	2	18
48	Kenaf biomass biodecomposition by basidiomycetes and actinobacteria in submerged fermentation for production of carbohydrates and phenolic compounds. <i>Bioresource Technology</i> , <b>2014</b> , 173, 352-360	11	16
47	A Graphene-Based Coaxial Fibrous Photofuel Cell Powered by Mine Gas. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1906813	15.6	15
46	Production of lignin based insoluble polymers (anionic hydrogels) by <i>C. versicolor</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 17507	4.9	14
45	Introduction of Entropy via the Boltzmann Distribution in Undergraduate Physical Chemistry: A Molecular Approach. <i>Journal of Chemical Education</i> , <b>2004</b> , 81, 1595	2.4	14
44	Biofiltration of a styrene/acetone vapor mixture in two reactor types under conditions of acetone overloading. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 772-777	3.5	13
43	Electrospray Ionization with High-Resolution Mass Spectrometry as a Tool for Lignomics: Lignin Mass Spectrum Deconvolution. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 1044-1059	3.5	12
42	Consistent Application of the Boltzmann Distribution to Residual Entropy in Crystals. <i>Journal of Chemical Education</i> , <b>2007</b> , 84, 493	2.4	12
41	Fungal Biotransformation of Insoluble Kraft Lignin into a Water Soluble Polymer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 6103-6113	3.9	11
40	Morphological changes of lignin during separation of wheat straw components by the hydrothermal-ethanol method. <i>Bioresource Technology</i> , <b>2019</b> , 294, 122157	11	10

39	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 19046-19054	3.8	10
38	Fate of triazoles in softwood upon environmental exposure. <i>Chemosphere</i> , <b>2017</b> , 184, 261-268	8.4	9
37	Pore structure and pertinent physical properties of nanofibrillated cellulose (NFC)-based foam materials. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 141-150	10.3	9
36	Journal of Environmental Science and Health, Part A. Toxic/hazardous substances and environmental engineering. Foreword. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 919	2.3	9
35	Efficient Steady-State Volatile Organic Compound Removal from Air by Live Bacteria Immobilized on Fiber Supports. <i>Bioremediation Journal</i> , <b>2000</b> , 4, 81-96	2.3	9
34	PAH/Aromatic Tar and Coke Precursor Formation in the Early Stages of Triglyceride (Triolein) Pyrolysis. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 3238-3249	2.8	8
33	Optimizing the Production of Renewable Aromatics via Crop Oil Catalytic Cracking. <i>Processes</i> , <b>2015</b> , 3, 222-234	2.9	7
32	Overcoming Misconceptions about Configurational Entropy in Condensed Phases. <i>Journal of Chemical Education</i> , <b>2009</b> , 86, 1063	2.4	7
31	UV-vis and Binding Studies of Cobalt Tetrasulfophthalocyanine $\pi$ -thiolate Complexes as Intermediates of the Merox Process. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>1999</b> , 03, 654-666	1.8	7
30	Influence of early stages of triglyceride pyrolysis on the formation of PAHs as coke precursors. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 20189-20203	3.6	6
29	Efficient Extraction of Fuel Oil Hydrocarbons from Wood. <i>Separation Science and Technology</i> , <b>2008</b> , 43, 778-793	2.5	6
28	Aerobic biodegradation of dinitrophenols and their mixture in continuous operations by an immobilized mixed microbial community. <i>Clean Technologies and Environmental Policy</i> , <b>2015</b> , 17, 287-294	4.3	5
27	Molecular scale studies that inform trace element sulfide evaporation and atomization behavior during coal combustion. <i>Fuel</i> , <b>2017</b> , 188, 544-552	7.1	5
26	Monitoring biodegradation of VOCs using high-speed gas chromatography with a dual-point sampling system. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 1452-7	10.3	5
25	Atmospheric pressure ionization mass spectrometry as a tool for structural characterization of lignin. <i>Rapid Communications in Mass Spectrometry</i> , <b>2020</b> , 34, e8813	2.2	5
24	An Approach to the Estimation of Adsorption Enthalpies of Polycyclic Aromatic Hydrocarbons on Particle Surfaces. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6029-38	2.8	4
23	Control of structure and properties of cellulose nanofibrils (CNF)-based foam materials by using ethanol additives prior to freeze-drying. <i>Wood Science and Technology</i> , <b>2019</b> , 53, 837-854	2.5	3
22	Determining the kinetics of sunflower hulls using dilute acid pretreatment in the production of xylose and furfural. <i>Green Processing and Synthesis</i> , <b>2014</b> , 3,	3.9	3

21	Wheat straw components fractionation, with efficient delignification, by hydrothermal treatment followed by facilitated ethanol extraction. <i>Bioresource Technology</i> , <b>2020</b> , 316, 123882	11	3
20	Effects of acid hydrolysis waste liquid recycle on preparation of microcrystalline cellulose. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 348-354	3.9	2
19	Effect of loading types on performance characteristics of a trickle-bed bioreactor and biofilter during styrene/acetone vapor biofiltration. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2016</b> , 51, 669-78	2.3	2
18	Convenient Chemical Symbols to Illustrate Electronic Excited States. <i>Spectroscopy Letters</i> , <b>2007</b> , 40, 413-427	1.2	2
17	Chemical Education in Countries of the Former Soviet Union. <i>Journal of Chemical Education</i> , <b>2000</b> , 77, 870	2.4	2
16	Mercury Removal from Air by a Fiber-Based Bioreactor. <i>Bioremediation Journal</i> , <b>1999</b> , 3, 291-298	2.3	2
15	Pathways toward PAH Formation during Fatty Acid and Triglyceride Pyrolysis. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 7559-7574	2.8	2
14	Thermophilic waste air treatment of an airborne ethyl acetate/toluene mixture in a bubble column reactor: Stability towards temperature changes. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 120744	12.8	2
13	The extent of tebuconazole leaching from unpainted and painted softwood. <i>Science of the Total Environment</i> , <b>2018</b> , 633, 1379-1385	10.2	2
12	Entropy of Mixing of Distinguishable Particles. <i>Journal of Chemical Education</i> , <b>2014</b> , 91, 834-838	2.4	1
11	Evaluation of Trace Element Partitioning during the Initial Phase of Coal Combustion Using GFAAS. <i>ACS Symposium Series</i> , <b>2011</b> , 75-101	0.4	1
10	Efficient Extraction of Fuel Oil Hydrocarbons from Concrete. <i>Separation Science and Technology</i> , <b>2010</b> , 46, 254-264	2.5	1
9	Citrate as a Flying Bird: Useful Mnemonics in Teaching the TCA Cycle. <i>Journal of Chemical Education</i> , <b>1999</b> , 76, 1656	2.4	1
8	An Initial Study of the Catalytic Reforming of Crop Oil-Derived 1-Alkenes with HZSM-5 to Aromatic Hydrocarbons. <i>JAOCs, Journal of the American Oil Chemists Society</i> , <b>2018</b> , 95, 1201-1211	1.8	1
7	Toxic/hazardous substances and environmental engineering. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2009</b> , 44, 1051	2.3	0
6	An integrative cellulose-based composite material with controllable structure and properties for solar-driven water evaporation. <i>Cellulose</i> , <b>2022</b> , 29, 2461	5.5	0
5	Thermophilic waste air treatment of n-alkanes in a two-phase bubble column reactor: the effect of silicone oil addition. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 1682-1690	3.5	0
4	How Wave Interference May Help Explain Wavefunctions and Energy Quantization. <i>Spectroscopy Letters</i> , <b>2010</b> , 43, 609-617	1.1	

- 3 No "Driving Forces" in General Chemistry. *Journal of Chemical Education*, **2006**, 83, 702 2.4
- 2 Energy as Money, Chemical Bonding as Business, and Negative  $\Delta H$  and  $\Delta G$  as Investment. *Journal of Chemical Education*, **2002**, 79, 1435 2.4
- 1 Quantitative insights on de/repolymerization and deoxygenation of lignin in subcritical water. *Bioresource Technology*, **2021**, 342, 125974 11