

Evguenii I Kozliak

List of Publications by Year in Descending Order

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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	An integrative cellulose-based composite material with controllable structure and properties for solar-driven water evaporation. <i>Cellulose</i> , 2022 , 29, 2461	5.5	0
55	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> , 2021 , 96, 1682-1690	3.5	0
54	Quantitative insights on de/repolymerization and deoxygenation of lignin in subcritical water. <i>Bioresource Technology</i> , 2021 , 342, 125974	11	
53	Wheat straw components fractionation, with efficient delignification, by hydrothermal treatment followed by facilitated ethanol extraction. <i>Bioresource Technology</i> , 2020 , 316, 123882	11	3
52	Pathways toward PAH Formation during Fatty Acid and Triglyceride Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 7559-7574	2.8	2
51	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> , 2020 , 384, 120744	12.8	2
50	Atmospheric pressure ionization mass spectrometry as a tool for structural characterization of lignin. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8813	2.2	5
49	Effects of acid hydrolysis waste liquid recycle on preparation of microcrystalline cellulose. <i>Green Processing and Synthesis</i> , 2019 , 8, 348-354	3.9	2
48	Influence of early stages of triglyceride pyrolysis on the formation of PAHs as coke precursors. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20189-20203	3.6	6
47	Morphological changes of lignin during separation of wheat straw components by the hydrothermal-ethanol method. <i>Bioresource Technology</i> , 2019 , 294, 122157	11	10
46	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> , 2019 , 53, 837-854	2.5	3
45	A Graphene-Based Coaxial Fibrous Photofuel Cell Powered by Mine Gas. <i>Advanced Functional Materials</i> , 2019 , 29, 1906813	15.6	15
44	PAH/Aromatic Tar and Coke Precursor Formation in the Early Stages of Triglyceride (Triolein) Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 3238-3249	2.8	8
43	Size exclusion chromatography of lignin: The mechanistic aspects and elimination of undesired secondary interactions. <i>Journal of Chromatography A</i> , 2018 , 1534, 101-110	4.5	19
42	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> , 2018 , 29, 1044-1059	3.5	12
41	Pore structure and pertinent physical properties of nanofibrillated cellulose (NFC)-based foam materials. <i>Carbohydrate Polymers</i> , 2018 , 201, 141-150	10.3	9
40	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> , 2018 , 95, 1201-1211	1.8	1

39	The extent of tebuconazole leaching from unpainted and painted softwood. <i>Science of the Total Environment</i> , 2018 , 633, 1379-1385	10.2	2
38	Fungal Biotransformation of Insoluble Kraft Lignin into a Water Soluble Polymer. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6103-6113	3.9	11
37	Fate of triazoles in softwood upon environmental exposure. <i>Chemosphere</i> , 2017 , 184, 261-268	8.4	9
36	Production of lignin based insoluble polymers (anionic hydrogels) by <i>C. versicolor</i> . <i>Scientific Reports</i> , 2017 , 7, 17507	4.9	14
35	Molecular scale studies that inform trace element sulfide evaporation and atomization behavior during coal combustion. <i>Fuel</i> , 2017 , 188, 544-552	7.1	5
34	Thermal Liquefaction of Lignin to Aromatics: Efficiency, Selectivity, and Product Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5106-5122	8.3	60
33	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> , 2016 , 51, 669-78	2.3	2
32	An Approach to the Estimation of Adsorption Enthalpies of Polycyclic Aromatic Hydrocarbons on Particle Surfaces. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6029-38	2.8	4
31	Biodegradation of lignin by fungi, bacteria and laccases. <i>Bioresource Technology</i> , 2016 , 220, 414-424	11	68
30	Aerobic biodegradation of dinitrophenols and their mixture in continuous operations by an immobilized mixed microbial community. <i>Clean Technologies and Environmental Policy</i> , 2015 , 17, 287-294	4.3	5
29	Optimizing the Production of Renewable Aromatics via Crop Oil Catalytic Cracking. <i>Processes</i> , 2015 , 3, 222-234	2.9	7
28	Entropy of Mixing of Distinguishable Particles. <i>Journal of Chemical Education</i> , 2014 , 91, 834-838	2.4	1
27	Kenaf biomass biodecomposition by basidiomycetes and actinobacteria in submerged fermentation for production of carbohydrates and phenolic compounds. <i>Bioresource Technology</i> , 2014 , 173, 352-360	11	16
26	Determining the kinetics of sunflower hulls using dilute acid pretreatment in the production of xylose and furfural. <i>Green Processing and Synthesis</i> , 2014 , 3,	3.9	3
25	AROMATIZATION OF PROPYLENE OVER HZSM-5: A DESIGN OF EXPERIMENTS (DOE) APPROACH. <i>Chemical Engineering Communications</i> , 2013 , 200, 1039-1056	2.2	50
24	Biofiltration of a styrene/acetone vapor mixture in two reactor types under conditions of acetone overloading. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 772-777	3.5	13
23	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> , 2012 , 47, 919	2.3	9
22	Triacylglyceride Thermal Cracking: Pathways to Cyclic Hydrocarbons. <i>Energy & Fuels</i> , 2012 , 26, 672-685	6.5	53

21	Distinguishing Enolic and Carbonyl Components in the Mechanism of Carboxylic Acid Ketonization on Monoclinic Zirconia. <i>ACS Catalysis</i> , 2012 , 2, 1555-1562	13.1	43
20	Evaluation of Trace Element Partitioning during the Initial Phase of Coal Combustion Using GFAAS. <i>ACS Symposium Series</i> , 2011 , 75-101	0.4	1
19	New path in the thermal cracking of triacylglycerols (canola and soybean oil). <i>Fuel</i> , 2011 , 90, 2598-2608	7.1	86
18	Efficient Extraction of Fuel Oil Hydrocarbons from Concrete. <i>Separation Science and Technology</i> , 2010 , 46, 254-264	2.5	1
17	How Wave Interference May Help Explain Wavefunctions and Energy Quantization. <i>Spectroscopy Letters</i> , 2010 , 43, 609-617	1.1	
16	Toxic/hazardous substances and environmental engineering. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009 , 44, 1051	2.3	0
15	Styrene Biofiltration Using Two Packing Materials with Different Adsorption Properties. <i>Environmental Engineering Science</i> , 2009 , 26, 195-208	2	18
14	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19046-19054	3.8	10
13	Overcoming Misconceptions about Configurational Entropy in Condensed Phases. <i>Journal of Chemical Education</i> , 2009 , 86, 1063	2.4	7
12	Efficient Extraction of Fuel Oil Hydrocarbons from Wood. <i>Separation Science and Technology</i> , 2008 , 43, 778-793	2.5	6
11	Convenient Chemical Symbols to Illustrate Electronic Excited States. <i>Spectroscopy Letters</i> , 2007 , 40, 413-427	2.4	2
10	Consistent Application of the Boltzmann Distribution to Residual Entropy in Crystals. <i>Journal of Chemical Education</i> , 2007 , 84, 493	2.4	12
9	No "Driving Forces" in General Chemistry. <i>Journal of Chemical Education</i> , 2006 , 83, 702	2.4	
8	Introduction of Entropy via the Boltzmann Distribution in Undergraduate Physical Chemistry: A Molecular Approach. <i>Journal of Chemical Education</i> , 2004 , 81, 1595	2.4	14
7	Energy as Money, Chemical Bonding as Business, and Negative ΔH and ΔG as Investment. <i>Journal of Chemical Education</i> , 2002 , 79, 1435	2.4	
6	Monitoring biodegradation of VOCs using high-speed gas chromatography with a dual-point sampling system. <i>Environmental Science & Technology</i> , 2001 , 35, 1452-7	10.3	5
5	Efficient Steady-State Volatile Organic Compound Removal from Air by Live Bacteria Immobilized on Fiber Supports. <i>Bioremediation Journal</i> , 2000 , 4, 81-96	2.3	9
4	Chemical Education in Countries of the Former Soviet Union. <i>Journal of Chemical Education</i> , 2000 , 77, 870	2.4	2

3	Mercury Removal from Air by a Fiber-Based Bioreactor. <i>Bioremediation Journal</i> , 1999 , 3, 291-298	2.3	2
2	UV-vis and Binding Studies of Cobalt TetrasulfophthalocyanineThiolate Complexes as Intermediates of the Merox Process. <i>Journal of Porphyrins and Phthalocyanines</i> , 1999 , 03, 654-666	1.8	7
1	Citrate as a Flying Bird: Useful Mnemonics in Teaching the TCA Cycle. <i>Journal of Chemical Education</i> , 1999 , 76, 1656	2.4	1