

Evguenii I Kozliak

List of Publications by Year in descending order

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56
papers

910
citations

516710

16
h-index

477307

29
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56
all docs

56
docs citations

56
times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	New path in the thermal cracking of triacylglycerols (canola and soybean oil). <i>Fuel</i> , 2011, 90, 2598-2608.	6.4	99
2	Biodegradation of lignin by fungi, bacteria and laccases. <i>Bioresource Technology</i> , 2016, 220, 414-424.	9.6	90
3	AROMATIZATION OF PROPYLENE OVER HZSM-5: A DESIGN OF EXPERIMENTS (DOE) APPROACH. <i>Chemical Engineering Communications</i> , 2013, 200, 1039-1056.	2.6	83
4	Thermal Liquefaction of Lignin to Aromatics: Efficiency, Selectivity, and Product Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5106-5122.	6.7	82
5	Triacylglyceride Thermal Cracking: Pathways to Cyclic Hydrocarbons. <i>Energy & Fuels</i> , 2012, 26, 672-685.	5.1	72
6	Distinguishing Enolic and Carbonyl Components in the Mechanism of Carboxylic Acid Ketonization on Monoclinic Zirconia. <i>ACS Catalysis</i> , 2012, 2, 1555-1562.	11.2	46
7	Size exclusion chromatography of lignin: The mechanistic aspects and elimination of undesired secondary interactions. <i>Journal of Chromatography A</i> , 2018, 1534, 101-110.	3.7	32
8	Morphological changes of lignin during separation of wheat straw components by the hydrothermal-ethanol method. <i>Bioresource Technology</i> , 2019, 294, 122157.	9.6	26
9	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.	2.8	23
10	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.	9.6	20
11	Fungal Biotransformation of Insoluble Kraft Lignin into a Water Soluble Polymer. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6103-6113.	3.7	20
12	Styrene Biofiltration Using Two Packing Materials with Different Adsorption Properties. <i>Environmental Engineering Science</i> , 2009, 26, 195-208.	1.6	19
13	Introduction of Entropy via the Boltzmann Distribution in Undergraduate Physical Chemistry: A Molecular Approach. <i>Journal of Chemical Education</i> , 2004, 81, 1595.	2.3	18
14	A Graphene-Based Coaxial Fibrous Photofuel Cell Powered by Mine Gas. <i>Advanced Functional Materials</i> , 2019, 29, 1906813.	14.9	18
15	Consistent Application of the Boltzmann Distribution to Residual Entropy in Crystals. <i>Journal of Chemical Education</i> , 2007, 84, 493.	2.3	16
16	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.	3.2	16
17	Production of lignin based insoluble polymers (anionic hydrogels) by <i>C. versicolor</i> . <i>Scientific Reports</i> , 2017, 7, 17507.	3.3	16
18	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.	2.5	16

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19	Pore structure and pertinent physical properties of nanofibrillated cellulose (NFC)-based foam materials. <i>Carbohydrate Polymers</i> , 2018, 201, 141-150.	10.2	15
20	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.	2.8	13
21	Wheat straw components fractionation, with efficient delignification, by hydrothermal treatment followed by facilitated ethanol extraction. <i>Bioresource Technology</i> , 2020, 316, 123882.	9.6	13
22	Foreword. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 919-919.	1.7	12
23	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19046-19054.	3.1	11
24	Fate of triazoles in softwood upon environmental exposure. <i>Chemosphere</i> , 2017, 184, 261-268.	8.2	11
25	Efficient Steady-State Volatile Organic Compound Removal from Air by Live Bacteria Immobilized on Fiber Supports. <i>Bioremediation Journal</i> , 2000, 4, 81-96.	2.0	10
26	An integrative cellulose-based composite material with controllable structure and properties for solar-driven water evaporation. <i>Cellulose</i> , 2022, 29, 2461-2477.	4.9	10
27	Efficient Extraction of Fuel Oil Hydrocarbons from Wood. <i>Separation Science and Technology</i> , 2008, 43, 778-793.	2.5	8
28	Overcoming Misconceptions about Configurational Entropy in Condensed Phases. <i>Journal of Chemical Education</i> , 2009, 86, 1063.	2.3	8
29	Optimizing the Production of Renewable Aromatics via Crop Oil Catalytic Cracking. <i>Processes</i> , 2015, 3, 222-234.	2.8	8
30	Atmospheric pressure ionization mass spectrometry as a tool for structural characterization of lignin. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8813.	1.5	8
31	UV-vis and Binding Studies of Cobalt Tetrasulfophthalocyanine- π -Thiolate Complexes as Intermediates of the Merox Process. <i>Journal of Porphyrins and Phthalocyanines</i> , 1999, 03, 654-666.	0.8	7
32	Monitoring Biodegradation of VOCs Using High-Speed Gas Chromatography with a Dual-Point Sampling System. <i>Environmental Science & Technology</i> , 2001, 35, 1452-1457.	10.0	7
33	An Approach to the Estimation of Adsorption Enthalpies of Polycyclic Aromatic Hydrocarbons on Particle Surfaces. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6029-6038.	2.5	7
34	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, 287-291.	4.1	5
35	Molecular scale studies that inform trace element sulfide evaporation and atomization behavior during coal combustion. <i>Fuel</i> , 2017, 188, 544-552.	6.4	5
36	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, .	3.4	4

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37	Effects of acid hydrolysis waste liquid recycle on preparation of microcrystalline cellulose. <i>Green Processing and Synthesis</i> , 2019, 8, 348-354.	3.4	4
38	Pathways toward PAH Formation during Fatty Acid and Triglyceride Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7559-7574.	2.5	4
39	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, 1-10.	1.7	3
40	An Initial Study of the Catalytic Reforming of Crop Oilâ€Derived 1â€Alkenes with HZSMâ€5 to Aromatic Hydrocarbons. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 1201-1211.	1.9	3
41	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.	3.2	3
42	Thermophilic waste air treatment of <i>n</i> -alkanes in a twoâ€phase bubble column reactor: the effect of silicone oil addition. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1682-1690.	3.2	3
43	Mercury Removal from Air by a Fiber-Based Bioreactor. <i>Bioremediation Journal</i> , 1999, 3, 291-298.	2.0	2
44	Chemical Education in Countries of the Former Soviet Union. <i>Journal of Chemical Education</i> , 2000, 77, 870.	2.3	2
45	Convenient Chemical Symbols to Illustrate Electronic Excited States. <i>Spectroscopy Letters</i> , 2007, 40, 413-427.	1.0	2
46	The extent of tebuconazole leaching from unpainted and painted softwood. <i>Science of the Total Environment</i> , 2018, 633, 1379-1385.	8.0	2
47	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.	12.4	2
48	Citrate as a Flying Bird: Useful Mnemonics in Teaching the TCA Cycle. <i>Journal of Chemical Education</i> , 1999, 76, 1656.	2.3	1
49	Foreword. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 1051-1051.	1.7	1
50	Efficient Extraction of Fuel Oil Hydrocarbons from Concrete. <i>Separation Science and Technology</i> , 2010, 46, 254-264.	2.5	1
51	Evaluation of Trace Element Partitioning during the Initial Phase of Coal Combustion Using GFAAS. <i>ACS Symposium Series</i> , 2011, , 75-101.	0.5	1
52	Entropy of Mixing of Distinguishable Particles. <i>Journal of Chemical Education</i> , 2014, 91, 834-838.	2.3	1
53	Quantitative insights on de/repolymerization and deoxygenation of lignin in subcritical water. <i>Bioresource Technology</i> , 2021, 342, 125974.	9.6	1
54	Energy as Money, Chemical Bonding as Business, and Negative \hat{H} and \hat{G} as Investment. <i>Journal of Chemical Education</i> , 2002, 79, 1435.	2.3	0

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55	No "Driving Forces" in General Chemistry. <i>Journal of Chemical Education</i> , 2006, 83, 702.	2.3	0
56	How Wave Interference May Help Explain Wavefunctions and Energy Quantization. <i>Spectroscopy Letters</i> , 2010, 43, 609-617.	1.0	0