

# Viatcheslav Kafarov

## List of Publications by Citations

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24  
papers

373  
citations

11  
h-index

19  
g-index

27  
ext. papers

415  
ext. citations

3.3  
avg, IF

3.61  
L-index

#	Paper	IF	Citations
24	Sustainable ethanol production from lignocellulosic biomass [Application of exergy analysis. <i>Energy</i> , <b>2011</b> , 36, 2119-2128	7.9	78
23	Microalgae based biorefinery: Issues to consider. <i>CTyF - Ciencia, Tecnologia Y Futuro</i> , <b>2011</b> , 4, 05-21	0.5	62
22	Use of bioethanol for sustainable electrical energy production. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 7041-7050	6.7	43
21	Barriers to social acceptance of renewable energy systems in Colombia. <i>Current Opinion in Chemical Engineering</i> , <b>2015</b> , 10, 103-110	5.4	33
20	Application of Computer-Aided Process Engineering and Exergy Analysis to Evaluate Different Routes of Biofuels Production from Lignocellulosic Biomass. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 2768-2772	3.9	31
19	Thermodynamic evaluation of hydrogen production for fuel cells by using bio-ethanol steam reforming: Effect of carrier gas addition. <i>Journal of Power Sources</i> , <b>2009</b> , 192, 195-199	8.9	18
18	Development of a topology of microalgae-based biorefinery: process synthesis and optimization using a combined forwardBackward screening and superstructure approach. <i>Clean Technologies and Environmental Policy</i> , <b>2015</b> , 17, 2213-2228	4.3	17
17	Influence of minor components on precipitate formation and filterability of palm oil biodiesel. <i>Fuel</i> , <b>2015</b> , 144, 130-136	7.1	16
16	Environmental assessment of microalgae biodiesel production in Colombia: Comparison of three oil extraction systems. <i>CTyF - Ciencia, Tecnologia Y Futuro</i> , <b>2013</b> , 5, 85-100	0.5	16
15	Characterization of insoluble material isolated from Colombian palm oil biodiesel. <i>Biomass and Bioenergy</i> , <b>2015</b> , 74, 6-14	5.3	11
14	Study and modeling of simultaneous hydrodesulfurization, hydrodenitrogenation and hydrodearomatization on vacuum gas oil hydrotreatment. <i>Computer Aided Chemical Engineering</i> , <b>2005</b> , 619-624	0.6	11
13	Improvement of Palm Oil Biodiesel Filterability by Adsorption Methods. <i>JAOCS, Journal of the American Oil Chemistssociety</i> , <b>2015</b> , 92, 893-903	1.8	9
12	A two dimensional steady-state model of the gasSolidSolid reactor: Example of the partial oxidation of methane to methanol. <i>Chemical Engineering Journal</i> , <b>2007</b> , 134, 209-217	14.7	8
11	Simulation of bioethanol production process from residual microalgae biomass. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 1048-1052	0.6	5
10	Modeling of trickle bed reactor for hydrotreating of vacuum gas oils: effect of kinetic type on reactor modeling. <i>Computer Aided Chemical Engineering</i> , <b>2007</b> , 24, 515-520	0.6	5
9	Comparison of technology alternative for palm oil biodiesel production using exergy analysis. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 30, 207-211	0.6	3
8	Computer aided evaluation of eco-efficiency of solvent-based algae oil extraction processes for biodiesel production. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 86-90	0.6	2

7	Hydrocracking Reaction Model of Petroleum Heavy Cuts Using Molecular Reconstruction. <i>Computer Aided Chemical Engineering</i> , <b>2016</b> , 38, 2271-2276	0.6	1
6	Environmentally conscious design of ethanol fed fuel cell system. <i>Computer Aided Chemical Engineering</i> , <b>2006</b> , 21, 1131-1136	0.6	1
5	A Simulation Analysis of a Microalgal-Production Plant for the Transformation of Inland-Fisheries Wastewater in Sustainable Feed. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 250	3	1
4	Kinetics of Lycopene Degradation in Sunflower and Grape Seed Oils. <i>Oriental Journal of Chemistry</i> , <b>2018</b> , 34, 2229-2235	0.8	1
3	The Circular Economy Approach to Improving CNP Ratio in Inland Fishery Wastewater for Increasing Algal Biomass Production. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 749	3	1
2	Computer aided estimation of sustainability of biodiesel production from palm oil.. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 30, 222-226	0.6	
1	A Methodology for Linear Modeling Applied to Process Synthesis of Ethanol from Sugarcane Bagasse. <i>Computer Aided Chemical Engineering</i> , <b>2016</b> , 38, 2247-2252	0.6	