Viatcheslav Kafarov

List of Publications by Year in Descending Order

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	A Simulation Analysis of a Microalgal-Production Plant for the Transformation of Inland-Fisheries Wastewater in Sustainable Feed. *Water (Switzerland)*, **2022**, 14, 250	3	1
23	The Circular Economy Approach to Improving CNP Ratio in Inland Fishery Wastewater for Increasing Algal Biomass Production. *Water (Switzerland)*, **2022**, 14, 749	3	1
22	Kinetics of Lycopene Degradation in Sunflower and Grape Seed Oils. *Oriental Journal of Chemistry*, **2018**, 34, 2229-2235	0.8	1
21	Hydrocracking Reaction Model of Petroleum Heavy Cuts Using Molecular Reconstruction. *Computer Aided Chemical Engineering*, **2016**, 38, 2271-2276	0.6	1
20	A Methodology for Linear Modeling Applied to Process Synthesis of Ethanol from Sugarcane Bagasse. *Computer Aided Chemical Engineering*, **2016**, 38, 2247-2252	0.6	
19	Improvement of Palm Oil Biodiesel Filterability by Adsorption Methods. *JAOCS, Journal of the American Oil ChemistssSociety*, **2015**, 92, 893-903	1.8	9
18	Development of a topology of microalgae-based biorefinery: process synthesis and optimization using a combined forward□backward screening and superstructure approach. *Clean Technologies and Environmental Policy*, **2015**, 17, 2213-2228	4.3	17
17	Influence of minor components on precipitate formation and filterability of palm oil biodiesel. *Fuel*, **2015**, 144, 130-136	7.1	16
16	Barriers to social acceptance of renewable energy systems in Colombia. *Current Opinion in Chemical Engineering*, **2015**, 10, 103-110	5.4	33
15	Characterization of insoluble material isolated from Colombian palm oil biodiesel. *Biomass and Bioenergy*, **2015**, 74, 6-14	5.3	11
14	Environmental assessment of microalgae biodiesel production in Colombia: Comparison of three oil extraction systems. *CTyF - Ciencia, Tecnologia Y Futuro*, **2013**, 5, 85-100	0.5	16
13	Computer aided evaluation of eco-efficiency of solvent-based algae oil extraction processes for biodiesel production. *Computer Aided Chemical Engineering*, **2012**, 86-90	0.6	2
12	Computer aided estimation of sustainability of biodiesel production from palm oil.. *Computer Aided Chemical Engineering*, **2012**, 30, 222-226	0.6	
11	Simulation of bioethanol production process from residual microalgae biomass. *Computer Aided Chemical Engineering*, **2012**, 1048-1052	0.6	5
10	Comparison of technology alternative for palm oil biodiesel production using exergy analysis. *Computer Aided Chemical Engineering*, **2012**, 30, 207-211	0.6	3
9	Application of Computer-Aided Process Engineering and Exergy Analysis to Evaluate Different Routes of Biofuels Production from Lignocellulosic Biomass. *Industrial & Engineering Chemistry Research*, **2011**, 50, 2768-2772	3.9	31
8	Sustainable ethanol production from lignocellulosic biomass □Application of exergy analysis. *Energy*, **2011**, 36, 2119-2128	7.9	78

7	Microalgae based biorefinery: Issues to consider. *CTyF - Ciencia, Tecnologia Y Futuro*, **2011**, 4, 05-21	0.5	62
6	Use of bioethanol for sustainable electrical energy production. *International Journal of Hydrogen Energy*, **2009**, 34, 7041-7050	6.7	43
5	Thermodynamic evaluation of hydrogen production for fuel cells by using bio-ethanol steam reforming: Effect of carrier gas addition. *Journal of Power Sources*, **2009**, 192, 195-199	8.9	18
4	Modeling of trickle bed reactor for hydrotreating of vacuum gas oils: effect of kinetic type on reactor modeling. *Computer Aided Chemical Engineering*, **2007**, 24, 515-520	0.6	5
3	A two dimensional steady-state model of the gas□olid□olid reactor: Example of the partial oxidation of methane to methanol. *Chemical Engineering Journal*, **2007**, 134, 209-217	14.7	8
2	Environmentally conscious design of ethanol fed fuel cell system. *Computer Aided Chemical Engineering*, **2006**, 21, 1131-1136	0.6	1
1	Study and modeling of simultaneous hydrodesulfurization, hydrodenitrogenation and hydrodearomatization on vacuum gas oil hydrotreatment. *Computer Aided Chemical Engineering*, **2005**, 619-624	0.6	11