

Piotr Rybarczyk

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,200
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1580
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production from biomass using dark fermentation. Renewable and Sustainable Energy Reviews, 2018, 91, 665-694.	16.4	398
2	Pretreatment of Lignocellulosic Materials as Substrates for Fermentation Processes. Molecules, 2018, 23, 2937.	3.8	345
3	Treatment of malodorous air in biotrickling filters: A review. Biochemical Engineering Journal, 2019, 141, 146-162.	3.6	82
4	Key issues in modeling and optimization of lignocellulosic biomass fermentative conversion to gaseous biofuels. Renewable Energy, 2018, 129, 384-408.	8.9	81
5	Comparative Evaluation of Selected Biological Methods for the Removal of Hydrophilic and Hydrophobic Odorous VOCs from Air. Processes, 2019, 7, 187.	2.8	43
6	Optimization of Saccharification Conditions of Lignocellulosic Biomass under Alkaline Pre-Treatment and Enzymatic Hydrolysis. Energies, 2018, 11, 886.	3.1	40
7	Comparison and Optimization of Saccharification Conditions of Alkaline Pre-Treated Triticale Straw for Acid and Enzymatic Hydrolysis Followed by Ethanol Fermentation. Energies, 2018, 11, 639.	3.1	34
8	Phytoremediation—From Environment Cleaning to Energy Generation—Current Status and Future Perspectives. Energies, 2020, 13, 2905.	3.1	32
9	Hydrogen Production from Energy Poplar Preceded by MEA Pre-Treatment and Enzymatic Hydrolysis. Molecules, 2018, 23, 3029.	3.8	26
10	Influence of alkaline and oxidative pre-treatment of waste corn cobs on biohydrogen generation efficiency via dark fermentation. Biomass and Bioenergy, 2020, 141, 105691.	5.7	21
11	Effects of n-butanol presence, inlet loading, empty bed residence time and starvation periods on the performance of a biotrickling filter removing cyclohexane vapors from air. Chemical Papers, 2020, 74, 1039-1047.	2.2	18
12	Fermentative Conversion of Two-Step Pre-Treated Lignocellulosic Biomass to Hydrogen. Catalysts, 2019, 9, 858.	3.5	16
13	Monitoring of n-butanol vapors biofiltration process using an electronic nose combined with calibration models. Monatshefte für Chemie, 2018, 149, 1693-1699.	1.8	15
14	Simultaneous Removal of Al, Cu and Zn Ions from Aqueous Solutions Using Ion and Precipitate Flotation Methods. Processes, 2021, 9, 301.	2.8	9
15	Smart Asset Management for District Heating Systems in the Baltic Sea Region. Energies, 2021, 14, 314.	3.1	9
16	Al(III) and Cu(II) simultaneous foam separation: Physicochemical problems. Chemical Papers, 2014, 68, .	2.2	8
17	Simultaneous Removal of Hexane and Ethanol from Air in a Biotrickling Filter—Process Performance and Monitoring Using Electronic Nose. Sustainability, 2020, 12, 387.	3.2	8
18	Biotrickling filtration of n-butanol vapors: process monitoring using electronic nose and artificial neural network. Monatshefte für Chemie, 2019, 150, 1667-1673.	1.8	5

#	ARTICLE	IF	CITATIONS
19	The use of various species of fungi in biofiltration of air contaminated with odorous volatile organic compounds. E3S Web of Conferences, 2019, 100, 00021.	0.5	5
20	Application of electronic nose to effectiveness monitoring of air contaminated with toluene vapors biofiltration process. SHS Web of Conferences, 2018, 57, 02014.	0.2	0