

Merlin Raud

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

419
citations

687220

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24
all docs

24
docs citations

24
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of Barley Straw as Feedstock for the Production of Different Energy Vectors. Processes, 2021, 9, 726.	1.3	7
2	The Role of Ionic Liquids in the Lignin Separation from Lignocellulosic Biomass. Energies, 2020, 13, 4864.	1.6	42
3	Biomass Pretreatment with the Szego Millâ„¢ for Bioethanol and Biogas Production. Processes, 2020, 8, 1327.	1.3	9
4	Perennial Grasses as a Substrate for Bioethanol Production. Environmental and Climate Technologies, 2020, 24, 32-40.	0.5	4
5	Characterisation of Electrochemical Sensor-Array for Utilisation in Construction of BOD Bioelectronic Tongue. Environmental and Climate Technologies, 2020, 24, 39-54.	0.5	1
6	Potential of bioethanol production waste for methane recovery. Energy, 2019, 173, 133-139.	4.5	25
7	The effect of flue gas explosive decompression pretreatment on methane recovery from bioethanol production waste. Industrial Crops and Products, 2019, 127, 66-72.	2.5	17
8	The Efficiency of Nitrogen and Flue Gas as Operating Gases in Explosive Decompression Pretreatment. Energies, 2018, 11, 2074.	1.6	14
9	The utilisation potential of urban greening waste: Tartu case study. Urban Forestry and Urban Greening, 2017, 21, 96-101.	2.3	29
10	INDO-NORDEN â€“ a consortium for developing holistic processes and land use practices for clean energy. Energy Procedia, 2017, 125, 363-371.	1.8	0
11	Electrooxidation of Hexacyanoferrate(II) Anions and Electroreduction of Oxygen in the Microfabricated Electrochemical Sensor-Array System. ECS Transactions, 2017, 77, 1771-1782.	0.3	4
12	The freezing pre-treatment of lignocellulosic material: A cheap alternative for Nordic countries. Energy, 2017, 139, 1-7.	4.5	41
13	Electrochemical Characterization of the Microfabricated Electrochemical Sensorâ€™Array System. Electroanalysis, 2017, 29, 249-258.	1.5	3
14	N2 explosive decompression pretreatment of biomass for lignocellulosic ethanol production. Biomass and Bioenergy, 2016, 90, 1-6.	2.9	40
15	Dependence of the hydrolysis efficiency on the lignin content in lignocellulosic material. International Journal of Hydrogen Energy, 2016, 41, 16338-16343.	3.8	44
16	Nitrogen explosion pretreatment of lignocellulosic material for bioethanol production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1785-1789.	1.2	9
17	Basis of energy crop selection for biofuel production: Cellulose vs. lignin. International Journal of Green Energy, 2016, 13, 49-54.	2.1	42
18	Semi-specific Microbacterium phyllosphaerae-based microbial sensor for biochemical oxygen demand measurements in dairy wastewater. Environmental Science and Pollution Research, 2013, 20, 2492-2498.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Nitrosomonas sp. Based biosensor for ammonium nitrogen measurement in wastewater. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 1016-1021.	1.4	14
20	Bioelectronic tongue and multivariate analysis: A next step in BOD measurements. <i>Water Research</i> , 2013, 47, 2555-2562.	5.3	19
21	BOD biosensors for pulp and paper industry wastewater analysis. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3039-3045.	2.7	15
22	Comparative study of semi-specific <i>Aeromonas hydrophila</i> and universal <i>Pseudomonas fluorescens</i> biosensors for BOD measurements in meat industry wastewaters. <i>Enzyme and Microbial Technology</i> , 2012, 50, 221-226.	1.6	26
23	Semi-specific biosensors for measuring BOD in dairy wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 957-961.	1.6	8
24	Comparative Study of Steam- and Nitrogen Explosion Pretreatment Methods. , 0, , .		0