Merlin Raud

List of Publications by Year
in descending order

24 papers	419 citations	687220 13 h-index	752573 20 g-index
24 all docs	24 docs citations	24 times ranked	459 citing authors

#	Article	IF	Citations
1	Dependence of the hydrolysis efficiency on the lignin content in lignocellulosic material. International Journal of Hydrogen Energy, 2016, 41, 16338-16343.	3.8	44
2	Basis of energy crop selection for biofuel production: Cellulose vs. lignin. International Journal of Green Energy, 2016, 13, 49-54.	2.1	42
3	The Role of Ionic Liquids in the Lignin Separation from Lignocellulosic Biomass. Energies, 2020, 13, 4864.	1.6	42
4	The freezing pre-treatment of lignocellulosic material: A cheap alternative for Nordic countries. Energy, 2017, 139, 1-7.	4.5	41
5	N2 explosive decompression pretreatment of biomass for lignocellulosic ethanol production. Biomass and Bioenergy, 2016, 90, 1-6.	2.9	40
6	The utilisation potential of urban greening waste: Tartu case study. Urban Forestry and Urban Greening, 2017, 21, 96-101.	2.3	29
7	Comparative study of semi-specific Aeromonas hydrophila and universal Pseudomonas fluorescens biosensors for BOD measurements in meat industry wastewaters. Enzyme and Microbial Technology, 2012, 50, 221-226.	1.6	26
8	Potential of bioethanol production waste for methane recovery. Energy, 2019, 173, 133-139.	4.5	25
9	Bioelectronic tongue and multivariate analysis: A next step inÂBOD measurements. Water Research, 2013, 47, 2555-2562.	5.3	19
10	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
11	BOD biosensors for pulp and paper industry wastewater analysis. Environmental Science and Pollution Research, 2012, 19, 3039-3045.	2.7	15
12	Nitrosomonas sp. Based biosensor for ammonium nitrogen measurement in wastewater. Biotechnology and Bioprocess Engineering, 2013, 18, 1016-1021.	1.4	14
13	The Efficiency of Nitrogen and Flue Gas as Operating Gases in Explosive Decompression Pretreatment. Energies, 2018, 11, 2074.	1.6	14
14	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
15	Biomass Pretreatment with the Szego Millâ„¢ for Bioethanol and Biogas Production. Processes, 2020, 8, 1327.	1.3	9
16	Semiâ€specific biosensors for measuring BOD in dairy wastewater. Journal of Chemical Technology and Biotechnology, 2010, 85, 957-961.	1.6	8
17	Utilization of Barley Straw as Feedstock for the Production of Different Energy Vectors. Processes, 2021, 9, 726.	1.3	7
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	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
20	Perennial Grasses as a Substrate for Bioethanol Production. Environmental and Climate Technologies, 2020, 24, 32-40.	0.5	4
21	Electrochemical Characterization of the Microfabricated Electrochemical Sensorâ€Array System. Electroanalysis, 2017, 29, 249-258.	1.5	3
22	Characterisation of Electrochemical Sensor-Array for Utilisation in Construction of BOD Bioelectronic Tongue. Environmental and Climate Technologies, 2020, 24, 39-54.	0.5	1
23	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
24	Comparative Study of Steam- and Nitrogen Explosion Pretreatment Methods. , 0, , .		0