Poritosh Roy

List of Publications by Year
in descending order

32 papers	1,844 citations	361413 20 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	2478 citing authors

#	Article	IF	Citations
1	A review of life cycle assessment (LCA) on some food products. Journal of Food Engineering, 2009, 90, 1-10.	5.2	737
2	Prospects for pyrolysis technologies in the bioenergy sector: A review. Renewable and Sustainable Energy Reviews, 2017, 77, 59-69.	16.4	263
3	Effects of surfactant and electrolyte concentrations on bubble formation and stabilization. Journal of Colloid and Interface Science, 2009, 332, 208-214.	9.4	156
4	Life cycle inventory analysis of fresh tomato distribution systems in Japan considering the quality aspect. Journal of Food Engineering, 2008, 86, 225-233.	5.2	65
5	Effect of processing conditions on overall energy consumption and quality of rice (Oryza sativa L.). Journal of Food Engineering, 2008, 89, 343-348.	5.2	59
6	A techno-economic and environmental evaluation of the life cycle of bioethanol produced from rice straw by RT-CaCCO process. Biomass and Bioenergy, 2012, 37, 188-195.	5.7	43
7	Life cycle of rice: Challenges and choices for Bangladesh. Journal of Food Engineering, 2007, 79, 1250-1255.	5.2	41
8	Review of syngas fermentation processes for bioethanol. Biofuels, 2014, 5, 551-564.	2.4	41
9	Life cycle inventory (LCI) of different forms of rice consumed in households in Japan. Journal of Food Engineering, 2009, 91, 49-55.	5.2	39
10	Evaluation of the life cycle of bioethanol produced from rice straws. Bioresource Technology, 2012, 110, 239-244.	9.6	36
11	A comparative life-cycle assessment of talc- and biochar-reinforced composites for lightweight automotive parts. Clean Technologies and Environmental Policy, 2020, 22, 639-649.	4.1	35
12	A Review of Life Cycle Assessment (LCA) of Bioethanol from Lignocellulosic Biomass. Japan Agricultural Research Quarterly, 2012, 46, 41-57.	0.4	33
13	Impacts of COVID-19 Outbreak on the Municipal Solid Waste Management: Now and beyond the Pandemic. ACS Environmental Au, 2021, 1, 32-45.	7.0	28
14	Energy consumption and cost analysis of local parboiling processes. Journal of Food Engineering, 2006, 76, 646-655.	5.2	27
15	Microplastics in ecosystems: their implications and mitigation pathways. Environmental Science Advances, 2022, 1, 9-29.	2.7	27
16	Greenhouse gas emissions and production cost of ethanol produced from biosyngas fermentation process. Bioresource Technology, 2015, 192, 185-191.	9.6	26
17	Environmental and economic prospects of biomaterials in the automotive industry. Clean Technologies and Environmental Policy, 2019, 21, 1535-1548.	4.1	25
18	Evaluation of the life cycle of hydrothermally carbonized biomass for energy and horticulture application. Renewable and Sustainable Energy Reviews, 2020, 132, 110046.	16.4	25

#	Article	IF	Citations
19	Evaluation of the life cycle of an automotive component produced from biocomposite. Journal of Cleaner Production, 2020, 273, 123051.	9.3	23
20	Hydrothermal Carbonization of Peat Moss and Herbaceous Biomass (Miscanthus): A Potential Route for Bioenergy. Energies, 2018, 11, 2794.	3.1	22
21	Evolution of drinking straws and their environmental, economic and societal implications. Journal of Cleaner Production, 2021, 316, 128234.	9.3	22
22	Life cycle assessment of ethanol derived from sawdust. Bioresource Technology, 2013, 150, 407-411.	9.6	19
23	Life Cycle Assessment of renewable filler material (biochar) produced from perennial grass (Miscanthus). AIMS Energy, 2019, 7, 430-440.	1.9	15
24	An Approach to Identify the Suitable Plant Location for Miscanthus-Based Ethanol Industry: A Case Study in Ontario, Canada. Energies, 2015, 8, 9266-9281.	3.1	9
25	Life Cycle Assessment of Ethanol Produced from Wheat Straw. Journal of Biobased Materials and Bioenergy, 2012, 6, 276-282.	0.3	7
26	Determination of physicochemical properties of chestnuts. Journal of Food Engineering, 2008, 87, 601-604.	5.2	5
27	Characteristics of Sugar Content in Different Sections and Harvest Maturity of Bamboo Shoots. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1941-1946.	1.0	5
28	A Review of Life Cycle of Ethanol Produced from Biosyngas. Bioethanol, 2013, 1, .	1.2	4
29	Evaluation of the life cycle of bioethanol produced from soft carbohydrate-rich and common rice straw in Japan with land-use change. Engineering in Agriculture, Environment and Food, 2015, 8, 161-168.	0.5	3
30	Life Cycle Assessment (LCA) in Municipal Waste Management Decision Making. , 2019, , 377-402.		2
31	Effect of Dropping on Le-ACS2 Accumulation Around the Mechanically Stressed Site of the Tomato Fruit. Journal of the American Society for Horticultural Science, 2008, 133, 717-722.	1.0	1
32	Miscanthus: a promising feedstock for lignocellulosic ethanol industry in Ontario, Canada. AIMS Energy, 2015, 3, 562-575.	1.9	0