

Adriana Del Borghi

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,999
citations

201575

27
h-index

243529

44
g-index

58
all docs

58
docs citations

58
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	An evaluation of environmental sustainability in the food industry through Life Cycle Assessment: the case study of tomato products supply chain. <i>Journal of Cleaner Production</i> , 2014, 78, 121-130.	4.6	162
2	Comparative LCA of methanol-fuelled SOFCs as auxiliary power systems on-board ships. <i>Applied Energy</i> , 2010, 87, 1670-1678.	5.1	119
3	LCA and communication: Environmental Product Declaration. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 293-295.	2.2	98
4	Circular economy approach to reduce water and energy in food nexus. <i>Current Opinion in Environmental Science and Health</i> , 2020, 13, 23-28.	2.1	94
5	Cultivation of <i>Spirulina platensis</i> in a combined airlift-tubular reactor system. <i>Biochemical Engineering Journal</i> , 2006, 32, 13-18.	1.8	86
6	Resource productivity enhancement as means for promoting cleaner production: analysis of co-incineration in cement plants through a life cycle approach. <i>Journal of Cleaner Production</i> , 2011, 19, 1615-1621.	4.6	83
7	Water treatment for drinking purpose: ceramic microfiltration application. <i>Desalination</i> , 2001, 141, 75-79.	4.0	76
8	Life Cycle Assessment from food to food: A case study of circular economy from cruise ships to aquaculture. <i>Sustainable Production and Consumption</i> , 2015, 2, 40-51.	5.7	72
9	Batch and fed-batch uptake of carbon dioxide by <i>Spirulina platensis</i> . <i>Process Biochemistry</i> , 2003, 38, 1341-1346.	1.8	70
10	Anaerobic digestion of the vegetable fraction of municipal refuses: mesophilic versus thermophilic conditions. <i>Bioprocess and Biosystems Engineering</i> , 1999, 21, 371.	0.5	66
11	Life Cycle Assessment and Life Cycle Costing of a SOFC system for distributed power generation. <i>Energy Conversion and Management</i> , 2015, 100, 64-77.	4.4	65
12	Water supply and sustainability: life cycle assessment of water collection, treatment and distribution service. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 1158-1168.	2.2	64
13	2,3-Butanediol production by <i>Enterobacter aerogenes</i> : selection of the optimal conditions and application to food industry residues. <i>Bioprocess and Biosystems Engineering</i> , 2000, 23, 613-620.	1.7	60
14	Hydrolysis and thermophilic anaerobic digestion of sewage sludge and organic fraction of municipal solid waste. <i>Bioprocess and Biosystems Engineering</i> , 1999, 20, 553.	0.5	58
15	A survey of life cycle approaches in waste management. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 597-610.	2.2	51
16	Toluene vapour removal in a laboratory-scale biofilter. <i>Applied Microbiology and Biotechnology</i> , 2000, 54, 248-254.	1.7	47
17	Life Cycle Assessment for eco-design of product packaging systems in the food industry: The case of legumes. <i>Sustainable Production and Consumption</i> , 2018, 13, 24-36.	5.7	47
18	Hybrid solar power system versus photovoltaic plant: A comparative analysis through a life cycle approach. <i>Renewable Energy</i> , 2019, 130, 290-304.	4.3	39

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19	The Application of the Environmental Product Declaration to Waste Disposal in a Sanitary Landfill - Four Case Studies (10 pp). <i>International Journal of Life Cycle Assessment</i> , 2007, 12, 40-49.	2.2	35
20	Optimal Planning of Sustainable Buildings: Integration of Life Cycle Assessment and Optimization in a Decision Support System (DSS). <i>Energies</i> , 2016, 9, 490.	1.6	34
21	Development of Specific Rules for the Application of Life Cycle Assessment to Carbon Capture and Storage. <i>Energies</i> , 2013, 6, 1250-1265.	1.6	33
22	Reactivity and stability of mycelium-bound carboxylesterase from <i>Aspergillus oryzae</i> . <i>Biotechnology and Bioengineering</i> , 2002, 77, 232-237.	1.7	32
23	Definition of the methodology for a Sector EPD (Environmental Product Declaration): case study of the average Italian cement. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 540-548.	2.2	32
24	Communication through ecolabels: how discrepancies between the EU PEF and EPD schemes could affect outcome consistency. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 905-920.	2.2	32
25	Simplified kinetics and thermodynamics of geraniol acetylation by lyophilized cells of <i>Aspergillus oryzae</i> . <i>Enzyme and Microbial Technology</i> , 2002, 30, 216-223.	1.6	31
26	Using environmental product declaration as source of data for life cycle assessment: a case study. <i>Journal of Cleaner Production</i> , 2016, 112, 333-342.	4.6	30
27	Effects of Mass Transport on the Performance of Solid Oxide Fuel Cells Composite Electrodes. <i>Journal of Fuel Cell Science and Technology</i> , 2007, 4, 99-106.	0.8	29
28	<i>Spirulina platensis</i> Culture with Flue Gas Feeding as a Cyanobacteria-Based Carbon Sequestration Option. <i>Chemical Engineering and Technology</i> , 2013, 36, 91-97.	0.9	28
29	Environmental analysis along the supply chain of dark, milk and white chocolate: a life cycle comparison. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 807-821.	2.2	24
30	Development of PCR for WWTP based on a case study. <i>International Journal of Life Cycle Assessment</i> , 2008, 13, 512-521.	2.2	22
31	Simulation of mass transport in SOFC composite electrodes. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1011-1018.	1.5	22
32	Investigation of green practices for paper use reduction onboard a cruise ship—a life cycle approach. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 982-993.	2.2	21
33	Environmental assessment of vegetable crops towards the water-energy-food nexus: A combination of precision agriculture and life cycle assessment. <i>Ecological Indicators</i> , 2022, 140, 109015.	2.6	21
34	Biodiesel production via transesterification: Process safety insights from kinetic modeling. <i>Theoretical Foundations of Chemical Engineering</i> , 2012, 46, 673-680.	0.2	20
35	Optimal Design of Cogeneration Systems in Industrial Plants Combined with District Heating/Cooling and Underground Thermal Energy Storage. <i>Energies</i> , 2011, 4, 2151-2165.	1.6	17
36	Catalytic ceramic membrane in a three-phase reactor for the competitive hydrogenation—isomerisation of methylenecyclohexane. <i>Separation and Purification Technology</i> , 2004, 34, 239-246.	3.9	16

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37	Investigation of naphthalene sulfonate compounds sorption in a soil artificially contaminated using batch and column assays. <i>Waste Management</i> , 2002, 22, 937-943.	3.7	13
38	Sustainable packaging: an evaluation of crates for food through a life cycle approach. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 753-766.	2.2	13
39	Environmental Sustainability of Building Retrofit through Vertical Greening Systems: A Life-Cycle Approach. <i>Sustainability</i> , 2021, 13, 4886.	1.6	13
40	The contribution of sensor-based equipment to life cycle assessment through improvement of data collection in the industry. <i>Environmental Impact Assessment Review</i> , 2021, 88, 106569.	4.4	11
41	Inverse Estimation of Temperature Profiles in Landfills Using Heat Recovery Fluids Measurements. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-15.	0.4	10
42	Analysis of potential GHG emissions reductions from methane recovery in livestock farming. <i>International Journal of Global Warming</i> , 2015, 8, 516.	0.2	10
43	Sustainability in Maritime Sector: Waste Management Alternatives Evaluated in a Circular Carbon Economy Perspective. <i>Resources</i> , 2020, 9, 41.	1.6	10
44	University campus waste prevention and reduction: A circular-economy approach. <i>Economics and Policy of Energy and the Environment</i> , 2017, , 235-252.	0.1	10
45	Life cycle assessment of hydrogen-powered city buses in the High V.LO-City project: integrating vehicle operation and refuelling infrastructure. <i>SN Applied Sciences</i> , 2022, 4, 1.	1.5	8
46	Detailed Simulation of the Ohmic Resistance of Solid Oxide Fuel Cells. <i>Journal of Fuel Cell Science and Technology</i> , 2007, 4, 413-417.	0.8	7
47	Fluctuating fast chemical reactions in a batch process modelled by stochastic differential equations. <i>Journal of Cleaner Production</i> , 2008, 16, 192-197.	4.6	7
48	Opportunities and criticisms of voluntary emission reduction projects developed by Public Administrations: Analysis of 143 case studies implemented in Italy. <i>Applied Energy</i> , 2016, 179, 1269-1282.	5.1	7
49	Use of EPD System for Designing New Building Materials: The Case Study of a Bio-Based Thermal Insulation Panel from the Pineapple Industry By-Product. <i>Sustainability</i> , 2020, 12, 6864.	1.6	7
50	Carbon-Neutral-Campus Building: Design Versus Retrofitting of Two University Zero Energy Buildings in Europe and in the United States. <i>Sustainability</i> , 2021, 13, 9023.	1.6	7
51	Feasibility study of saffron cultivation using a semi-saline water by managing planting date, a new statement. <i>Environmental Research</i> , 2022, 203, 111853.	3.7	7
52	Life cycle assessment in the food industry. , 2020, , 63-118.		6
53	Reconciliation of Process Flow Rates when Measurements Are Subject to Detection Limits:Â The Bilinear Case. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 2861-2866.	1.8	4
54	Rectification of flow measurements in continuous processes subject to fluctuations. <i>Chemical Engineering Science</i> , 2001, 56, 2851-2857.	1.9	4

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55	Factorial Experiments in the Optimization of Alkaline Wastewater Pretreatment. Industrial & Engineering Chemistry Research, 2002, 41, 5034-5041.	1.8	3
56	Glass Packaging Design and Life Cycle Assessment: Deep Review and Guideline for Future Developments. , 2016, , .		3
57	Waste Management under Emergency Conditions: Life-Cycle Multicriteria Analysis as Decision Support System. Resources, 2020, 9, 82.	1.6	3
58	Evaluation of By-productsâ€™ Potentiality for the Reincorporation in New Building Materials. IOP Conference Series: Earth and Environmental Science, 2020, 544, 012007.	0.2	0