

# 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	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
2	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
3	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
4	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
5	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
6	Environmental Sustainability of Building Retrofit through Vertical Greening Systems: A Life-Cycle Approach. <i>Sustainability</i> , 2021, 13, 4886.	1.6	13
7	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
8	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
9	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
10	Circular economy approach to reduce waterâ€“energyâ€“food nexus. <i>Current Opinion in Environmental Science and Health</i> , 2020, 13, 23-28.	2.1	94
11	Waste Management under Emergency Conditions: Life-Cycle Multicriteria Analysis as Decision Support System. <i>Resources</i> , 2020, 9, 82.	1.6	3
12	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
13	Evaluation of By-productsâ€™ Potentiality for the Reincorporation in New Building Materials. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 544, 012007.	0.2	0
14	Life cycle assessment in the food industry. , 2020, , 63-118.		6
15	Sustainability in Maritime Sector: Waste Management Alternatives Evaluated in a Circular Carbon Economy Perspective. <i>Resources</i> , 2020, 9, 41.	1.6	10
16	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
17	Life Cycle Assessment for eco-design of productâ€“package systems in the food industryâ€“The case of legumes. <i>Sustainable Production and Consumption</i> , 2018, 13, 24-36.	5.7	47
18	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

#	ARTICLE	IF	CITATIONS
19	Class Packaging Design and Life Cycle Assessment: Deep Review and Guideline for Future Developments. , 2016, , .		3
20	Optimal Planning of Sustainable Buildings: Integration of Life Cycle Assessment and Optimization in a Decision Support System (DSS). Energies, 2016, 9, 490.	1.6	34
21	Using environmental product declaration as source of data for life cycle assessment: a case study. Journal of Cleaner Production, 2016, 112, 333-342.	4.6	30
22	Opportunities and criticisms of voluntary emission reduction projects developed by Public Administrations: Analysis of 143 case studies implemented in Italy. Applied Energy, 2016, 179, 1269-1282.	5.1	7
23	Analysis of potential GHG emissions reductions from methane recovery in livestock farming. International Journal of Global Warming, 2015, 8, 516.	0.2	10
24	Life Cycle Assessment and Life Cycle Costing of a SOFC system for distributed power generation. Energy Conversion and Management, 2015, 100, 64-77.	4.4	65
25	Investigation of green practices for paper use reduction onboard a cruise shipâ€”a life cycle approach. International Journal of Life Cycle Assessment, 2015, 20, 982-993.	2.2	21
26	Life Cycle Assessment from food to food: A case study of circular economy from cruise ships to aquaculture. Sustainable Production and Consumption, 2015, 2, 40-51.	5.7	72
27	An evaluation of environmental sustainability in the food industry through Life Cycle Assessment: the case study of tomato products supply chain. Journal of Cleaner Production, 2014, 78, 121-130.	4.6	162
28	Water supply and sustainability: life cycle assessment of water collection, treatment and distribution service. International Journal of Life Cycle Assessment, 2013, 18, 1158-1168.	2.2	64
29	LCA and communication: Environmental Product Declaration. International Journal of Life Cycle Assessment, 2013, 18, 293-295.	2.2	98
30	<b><i>Spirulina platensis</i></b><b> Culture with Flue Gas Feeding as a Cyanobacteriaâ€”Based Carbon Sequestration Option</b>. Chemical Engineering and Technology, 2013, 36, 91-97.	0.9	28
31	Development of Specific Rules for the Application of Life Cycle Assessment to Carbon Capture and Storage. Energies, 2013, 6, 1250-1265.	1.6	33
32	Inverse Estimation of Temperature Profiles in Landfills Using Heat Recovery Fluids Measurements. Journal of Applied Mathematics, 2012, 2012, 1-15.	0.4	10
33	Biodiesel production via transesterification: Process safety insights from kinetic modeling. Theoretical Foundations of Chemical Engineering, 2012, 46, 673-680.	0.2	20
34	Resource productivity enhancement as means for promoting cleaner production: analysis of co-incineration in cement plants through a life cycle approach. Journal of Cleaner Production, 2011, 19, 1615-1621.	4.6	83
35	Optimal Design of Cogeneration Systems in Industrial Plants Combined with District Heating/Cooling and Underground Thermal Energy Storage. Energies, 2011, 4, 2151-2165.	1.6	17
36	Definition of the methodology for a Sector EPD (Environmental Product Declaration): case study of the average Italian cement. International Journal of Life Cycle Assessment, 2010, 15, 540-548.	2.2	32

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37	Comparative LCA of methanol-fuelled SOFCs as auxiliary power systems on-board ships. <i>Applied Energy</i> , 2010, 87, 1670-1678.	5.1	119
38	A survey of life cycle approaches in waste management. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 597-610.	2.2	51
39	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
40	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
41	Simulation of mass transport in SOFC composite electrodes. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1011-1018.	1.5	22
42	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
43	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
44	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
45	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
46	Catalytic ceramic membrane in a three-phase reactor for the competitive hydrogenation of isomerisation of methylenecyclohexane. <i>Separation and Purification Technology</i> , 2004, 34, 239-246.	3.9	16
47	Batch and fed-batch uptake of carbon dioxide by <i>Spirulina platensis</i> . <i>Process Biochemistry</i> , 2003, 38, 1341-1346.	1.8	70
48	Factorial Experiments in the Optimization of Alkaline Wastewater Pretreatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 5034-5041.	1.8	3
49	Reactivity and stability of mycelium-bound carboxylesterase from <i>Aspergillus oryzae</i> . <i>Biotechnology and Bioengineering</i> , 2002, 77, 232-237.	1.7	32
50	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
51	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
52	Water treatment for drinking purpose: ceramic microfiltration application. <i>Desalination</i> , 2001, 141, 75-79.	4.0	76
53	Rectification of flow measurements in continuous processes subject to fluctuations. <i>Chemical Engineering Science</i> , 2001, 56, 2851-2857.	1.9	4
54	Toluene vapour removal in a laboratory-scale biofilter. <i>Applied Microbiology and Biotechnology</i> , 2000, 54, 248-254.	1.7	47

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55	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
56	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
57	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
58	Reconciliation of Process Flow Rates when Measurements Are Subject to Detection Limits: The Bilinear Case. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 2861-2866.	1.8	4