

Anna Petit-Boix

List of Publications by Year in descending order

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36
papers

1,481
citations

331538

21
h-index

345118

36
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37
all docs

37
docs citations

37
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular economy in cities: Reviewing how environmental research aligns with local practices. Journal of Cleaner Production, 2018, 195, 1270-1281.	4.6	189
2	The circular economy and the bio-based sector - Perspectives of European and German stakeholders. Journal of Cleaner Production, 2018, 201, 1125-1137.	4.6	134
3	Application of life cycle thinking towards sustainable cities: A review. Journal of Cleaner Production, 2017, 166, 939-951.	4.6	110
4	Transforming the bio-based sector towards a circular economy - What can we learn from wood cascading?. Forest Policy and Economics, 2020, 110, 101872.	1.5	86
5	How to monitor environmental pressures of a circular economy: An assessment of indicators. Journal of Industrial Ecology, 2019, 23, 1278-1291.	2.8	74
6	Floods and consequential life cycle assessment: Integrating flood damage into the environmental assessment of stormwater Best Management Practices. Journal of Cleaner Production, 2017, 162, 601-608.	4.6	69
7	Exploring nutrient recovery from hydroponics in urban agriculture: An environmental assessment. Resources, Conservation and Recycling, 2020, 155, 104683.	5.3	68
8	Urban rainwater runoff quantity and quality – A potential endogenous resource in cities?. Journal of Environmental Management, 2017, 189, 14-21.	3.8	65
9	Recirculating water and nutrients in urban agriculture: An opportunity towards environmental sustainability and water use efficiency?. Journal of Cleaner Production, 2020, 261, 121213.	4.6	62
10	Towards Productive Cities: Environmental Assessment of the Food-Energy-Water Nexus of the Urban Roof Mosaic. Journal of Industrial Ecology, 2019, 23, 767-780.	2.8	55
11	Environmental Assessment of Sewer Construction in Small to Medium Sized Cities Using Life Cycle Assessment. Water Resources Management, 2014, 28, 979-997.	1.9	47
12	Transforming rooftops into productive urban spaces in the Mediterranean. An LCA comparison of agri-urban production and photovoltaic energy generation. Resources, Conservation and Recycling, 2019, 144, 321-336.	5.3	44
13	Municipal sewer networks as sources of nitrous oxide, methane and hydrogen sulphide emissions: A review and case studies. Journal of Environmental Chemical Engineering, 2015, 3, 2084-2094.	3.3	43
14	Ecological network analysis of growing tomatoes in an urban rooftop greenhouse. Science of the Total Environment, 2019, 651, 1495-1504.	3.9	42
15	Environmental assessment of different pipelines for drinking water transport and distribution network in small to medium cities: a case from Betanzos, Spain. Journal of Cleaner Production, 2014, 66, 588-598.	4.6	40
16	Life cycle and hydrologic modeling of rainwater harvesting in urban neighborhoods: Implications of urban form and water demand patterns in the US and Spain. Science of the Total Environment, 2018, 621, 434-443.	3.9	36
17	Combining LCA and circularity assessments in complex production systems: the case of urban agriculture. Resources, Conservation and Recycling, 2021, 166, 105359.	5.3	35
18	Can wastewater feed cities? Determining the feasibility and environmental burdens of struvite recovery and reuse for urban regions. Science of the Total Environment, 2020, 737, 139783.	3.9	33

#	ARTICLE	IF	CITATIONS
19	Identifying eco-efficient year-round crop combinations for rooftop greenhouse agriculture. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 564-576.	2.2	30
20	Integrated Structural Analysis and Life Cycle Assessment of Equivalent Trench-Pipe Systems for Sewerage. <i>Water Resources Management</i> , 2016, 30, 1117-1130.	1.9	24
21	Environmental and economic assessment of a pilot stormwater infiltration system for flood prevention in Brazil. <i>Ecological Engineering</i> , 2015, 84, 194-201.	1.6	22
22	Environmental performance of rainwater harvesting strategies in Mediterranean buildings. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 398-409.	2.2	22
23	Recovered phosphorus for a more resilient urban agriculture: Assessment of the fertilizer potential of struvite in hydroponics. <i>Science of the Total Environment</i> , 2021, 799, 149424.	3.9	20
24	From Cascade to Bottom-Up Ecosystem Services Model: How Does Social Cohesion Emerge from Urban Agriculture?. <i>Sustainability</i> , 2018, 10, 998.	1.6	18
25	Environmental assessment of drinking water transport and distribution network use phase for small to medium-sized municipalities in Spain. <i>Journal of Cleaner Production</i> , 2015, 87, 573-582.	4.6	17
26	Eating healthy or wasting less? Reducing resource footprints of food consumption. <i>Environmental Research Letters</i> , 2021, 16, 054033.	2.2	17
27	Are we preventing flood damage eco-efficiently? An integrated method applied to post-disaster emergency actions. <i>Science of the Total Environment</i> , 2017, 580, 873-881.	3.9	16
28	Assessing the Energetic and Environmental Impacts of the Operation and Maintenance of Spanish Sewer Networks from a Life-Cycle Perspective. <i>Water Resources Management</i> , 2015, 29, 2581-2597.	1.9	12
29	Increasing resource circularity in wastewater treatment: Environmental implications of technological upgrades. <i>Science of the Total Environment</i> , 2022, 838, 156422.	3.9	11
30	Addressing the Life Cycle of Sewers in Contrasting Cities through an Eco-Efficiency Approach. <i>Journal of Industrial Ecology</i> , 2018, 22, 1092-1104.	2.8	10
31	Closed-Loop Crop Cascade to Optimize Nutrient Flows and Grow Low-Impact Vegetables in Cities. <i>Frontiers in Plant Science</i> , 2020, 11, 596550.	1.7	8
32	Improving the Metabolism and Sustainability of Buildings and Cities Through Integrated Rooftop Greenhouses (i-RTG). <i>Sustainable Development and Biodiversity</i> , 2018, , 53-72.	1.4	4
33	Transdisciplinary resource monitoring is essential to prioritize circular economy strategies in cities. <i>Environmental Research Letters</i> , 2022, 17, 021001.	2.2	4
34	Environmental metabolism of educational services. Case study of nursery schools in the city of Barcelona. <i>Energy Efficiency</i> , 2016, 9, 981-992.	1.3	3
35	Environmental effects of using different construction codes applied to reinforced concrete beam designs based on Model Code 2010 and Spanish Standard EHE-08. <i>Engineering Structures</i> , 2019, 179, 438-447.	2.6	3
36	Life Cycle Management Applied to Urban Fabric Planning. <i>LCA Compendium</i> , 2015, , 307-317.	0.8	1