

# Anna Petit-Boix

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,481  
citations

331538

21  
h-index

345118

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transdisciplinary resource monitoring is essential to prioritize circular economy strategies in cities. <i>Environmental Research Letters</i> , 2022, 17, 021001.	2.2	4
2	Increasing resource circularity in wastewater treatment: Environmental implications of technological upgrades. <i>Science of the Total Environment</i> , 2022, 838, 156422.	3.9	11
3	Combining LCA and circularity assessments in complex production systems: the case of urban agriculture. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105359.	5.3	35
4	Eating healthy or wasting less? Reducing resource footprints of food consumption. <i>Environmental Research Letters</i> , 2021, 16, 054033.	2.2	17
5	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
6	Transforming the bio-based sector towards a circular economy - What can we learn from wood cascading?. <i>Forest Policy and Economics</i> , 2020, 110, 101872.	1.5	86
7	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
8	Exploring nutrient recovery from hydroponics in urban agriculture: An environmental assessment. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104683.	5.3	68
9	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
10	Can wastewater feed cities? Determining the feasibility and environmental burdens of struvite recovery and reuse for urban regions. <i>Science of the Total Environment</i> , 2020, 737, 139783.	3.9	33
11	Recirculating water and nutrients in urban agriculture: An opportunity towards environmental sustainability and water use efficiency?. <i>Journal of Cleaner Production</i> , 2020, 261, 121213.	4.6	62
12	How to monitor environmental pressures of a circular economy: An assessment of indicators. <i>Journal of Industrial Ecology</i> , 2019, 23, 1278-1291.	2.8	74
13	Transforming rooftops into productive urban spaces in the Mediterranean. An LCA comparison of agri-urban production and photovoltaic energy generation. <i>Resources, Conservation and Recycling</i> , 2019, 144, 321-336.	5.3	44
14	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
15	Towards Productive Cities: Environmental Assessment of the Food-Energy-Water Nexus of the Urban Roof Mosaic. <i>Journal of Industrial Ecology</i> , 2019, 23, 767-780.	2.8	55
16	Ecological network analysis of growing tomatoes in an urban rooftop greenhouse. <i>Science of the Total Environment</i> , 2019, 651, 1495-1504.	3.9	42
17	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
18	Life cycle and hydrologic modeling of rainwater harvesting in urban neighborhoods: Implications of urban form and water demand patterns in the US and Spain. <i>Science of the Total Environment</i> , 2018, 621, 434-443.	3.9	36

#	ARTICLE	IF	CITATIONS
19	Circular economy in cities: Reviewing how environmental research aligns with local practices. <i>Journal of Cleaner Production</i> , 2018, 195, 1270-1281.	4.6	189
20	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
21	The circular economy and the bio-based sector - Perspectives of European and German stakeholders. <i>Journal of Cleaner Production</i> , 2018, 201, 1125-1137.	4.6	134
22	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
23	Floods and consequential life cycle assessment: Integrating flood damage into the environmental assessment of stormwater Best Management Practices. <i>Journal of Cleaner Production</i> , 2017, 162, 601-608.	4.6	69
24	Urban rainwater runoff quantity and quality "A potential endogenous resource in cities?. <i>Journal of Environmental Management</i> , 2017, 189, 14-21.	3.8	65
25	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
26	Application of life cycle thinking towards sustainable cities: A review. <i>Journal of Cleaner Production</i> , 2017, 166, 939-951.	4.6	110
27	Environmental performance of rainwater harvesting strategies in Mediterranean buildings. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 398-409.	2.2	22
28	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
29	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
30	Municipal sewer networks as sources of nitrous oxide, methane and hydrogen sulphide emissions: A review and case studies. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2084-2094.	3.3	43
31	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
32	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
33	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
34	Life Cycle Management Applied to Urban Fabric Planning. <i>LCA Compendium</i> , 2015, , 307-317.	0.8	1
35	Environmental Assessment of Sewer Construction in Small to Medium Sized Cities Using Life Cycle Assessment. <i>Water Resources Management</i> , 2014, 28, 979-997.	1.9	47
36	Environmental assessment of different pipelines for drinking water transport and distribution network in small to medium cities: a case from Betanzos, Spain. <i>Journal of Cleaner Production</i> , 2014, 66, 588-598.	4.6	40