Francesca Pierobon

List of Publications by Year
in descending order

19	478	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmental benefits of using hybrid CLT structure in midrise non-residential construction: An LCA based comparative case study in the U.S. Pacific Northwest. Journal of Building Engineering, 2019, 26, 100862.	3.4	61
2	Life Cycle Assessment (LCA) of Cross-Laminated Timber (CLT) Produced in Western Washington: The Role of Logistics and Wood Species Mix. Sustainability, 2019, 11, 1278.	3.2	58
3	Life cycle environmental impact of firewood production â€“ A case study in Italy. Applied Energy, 2015, 150, 185-195.	10.1	52
4	â€˜Woods-to-Wakeâ€™ Life Cycle Assessment of residual woody biomass based jet-fuel using mild bisulfite pretreatment. Biomass and Bioenergy, 2018, 108, 207-216.	5.7	42
5	Life cycle assessment of residual lignocellulosic biomass-based jet fuel with activated carbon and lignosulfonate as co-products. Biotechnology for Biofuels, 2018, 11, 139.	6.2	41
6	A multi-criteria decision support tool for biorefinery siting: Using economic, environmental, and social metrics for a refined siting analysis. Biomass and Bioenergy, 2019, 128, 105330.	5.7	32
7	Massive wood material for sustainable building design: the Massivâ€“Holzâ€“Mauer wall system. Journal of Wood Science, 2016, 62, 416-428.	1.9	27
8	Comparative Life Cycle Assessment of Bioenergy Production from Different Wood Pellet Supply Chains. Forests, 2020, 11, 1127.	2.1	26
9	Comparative Life Cycle Assessment of Mass Timber and Concrete Residential Buildings: A Case Study in China. Sustainability, 2022, 14, 144.	3.2	26
10	Product environmental footprint of a cross-laminated timber system: a case study in Italy. International Journal of Life Cycle Assessment, 2019, 24, 975-988.	4.7	25
11	Global Warming Mitigating Role of Wood Products from Washington Stateâ€™s Private Forests. Forests, 2020, 11, 194.	2.1	18
12	Comparative LCAs of Conventional and Mass Timber Buildings in Regions with Potential for Mass Timber Penetration. Sustainability, 2021, 13, 13987.	3.2	18
13	Environmental assessment of mild bisulfite pretreatment of forest residues into fermentable sugars for biofuel production. Biotechnology for Biofuels, 2016, 9, 15.	6.2	11
14	A Comparative Life-Cycle Assessment of Briquetting Logging Residues and Lumber Manufacturing Coproducts in Western United States. Applied Engineering in Agriculture, 2018, 34, 11-24.	0.7	11
15	The Global Warming Potential of Building Materials: An Application of Life Cycle Analysis in Nepal. Mountain Research and Development, 2017, 37, 47.	1.0	10
16	Evaluation of environmental impacts of harvest residue-based bioenergy using radiative forcing analysis. Forestry Chronicle, 2014, 90, 577-585.	0.6	7
17	Mass Timber Building Life Cycle Assessment Methodology for the U.S. Regional Case Studies. Sustainability, 2021, 13, 14034.	3.2	7
18	Modeling the Processing and Transportation Logistics of Forest Residues Using Life Cycle Assessment. Journal of Forestry, 2017, 115, 86-94.	1.0	6

#	Article	IF	Citations
19	Air quality impact of slash pile burns: Simulated geo-spatial impact assessment for Washington State. Science of the Total Environment, 2021, , 151699.	8.0	0