

Thomas Gibon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3726179/publications.pdf>

Version: 2024-02-01

23
papers

1,364
citations

516710

16
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainability assessment of circular economy over time: Modelling of finite and variable loops & impact distribution among related products. Resources, Conservation and Recycling, 2021, 168, 105319.	10.8	26
2	A New Bi-Objective Approach for Optimal Sizing of Electrical and Thermal Devices in Zero Energy Buildings Considering Environmental Impacts. IEEE Transactions on Sustainable Energy, 2021, 12, 886-896.	8.8	13
3	CORRECTION " Sustainability assessment of circular economy over time: modeling of finite and variable loops & impact distribution among related products. Resources, Conservation and Recycling, 2021, 172, 105675.	10.8	3
4	A tool to operationalize dynamic LCA, including time differentiation on the complete background database. International Journal of Life Cycle Assessment, 2020, 25, 267-279.	4.7	41
5	An Enhanced Optimal PV and Battery Sizing Model for Zero Energy Buildings Considering Environmental Impacts. IEEE Transactions on Industry Applications, 2020, 56, 6846-6856.	4.9	32
6	When to replace a product to decrease environmental impact?"a consequential LCA framework and case study on car replacement. International Journal of Life Cycle Assessment, 2020, 25, 1500-1521.	4.7	17
7	Shades of green: life cycle assessment of renewable energy projects financed through green bonds. Environmental Research Letters, 2020, 15, 104045.	5.2	36
8	Coupling Activity-Based Modeling and Life Cycle Assessment" A Proof-of-Concept Study on Cross-Border Commuting in Luxembourg. Sustainability, 2019, 11, 4067.	3.2	9
9	Real-time carbon accounting method for the European electricity markets. Energy Strategy Reviews, 2019, 26, 100367.	7.3	86
10	Environmental co-benefits and adverse side-effects of alternative power sector decarbonization strategies. Nature Communications, 2019, 10, 5229.	12.8	188
11	The integration of energy scenarios into LCA: LCM2017 Conference Workshop, Luxembourg, September 5, 2017. International Journal of Life Cycle Assessment, 2018, 23, 970-977.	4.7	23
12	Health benefits, ecological threats of low-carbon electricity. Environmental Research Letters, 2017, 12, 034023.	5.2	44
13	Life cycle assessment demonstrates environmental co-benefits and trade-offs of low-carbon electricity supply options. Renewable and Sustainable Energy Reviews, 2017, 76, 1283-1290.	16.4	74
14	Outlining reasons to apply hybrid LCA" a reply to "rethinking system boundary in LCA" by Yi Yang (2017). International Journal of Life Cycle Assessment, 2017, 22, 1012-1013.	4.7	6
15	Lifting the fog on characteristics and limitations of hybrid LCA" a reply to "Does hybrid LCA with a		

#	ARTICLE	IF	CITATIONS
19	A Methodology for Integrated, Multiregional Life Cycle Assessment Scenarios under Large-Scale Technological Change. Environmental Science & Technology, 2015, 49, 11218-11226.	10.0	107
20	Integrated life-cycle assessment of electricity-supply scenarios confirms global environmental benefit of low-carbon technologies. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6277-6282.	7.1	508
21	Thin-Film Photovoltaic Power Generation Offers Decreasing Greenhouse Gas Emissions and Increasing Environmental Co-benefits in the Long Term. Environmental Science & Technology, 2014, 48, 9834-9843.	10.0	61
22	A Global Environmental Assessment of Electricity Generation Technologies with Low Greenhouse Gas Emissions. Procedia CIRP, 2014, 15, 3-7.	1.9	4
23	Assessment of Low Carbon Energy Technologies: Fossil Fuels and CCS. Energy Procedia, 2013, 37, 2637-2644.	1.8	2