

# 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

516215

16  
h-index

642321

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.	5.3	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.	5.9	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.	5.3	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.	2.2	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.	3.3	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.	2.2	17
7	Shades of green: life cycle assessment of renewable energy projects financed through green bonds. Environmental Research Letters, 2020, 15, 104045.	2.2	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.	1.6	9
9	Real-time carbon accounting method for the European electricity markets. Energy Strategy Reviews, 2019, 26, 100367.	3.3	86
10	Environmental co-benefits and adverse side-effects of alternative power sector decarbonization strategies. Nature Communications, 2019, 10, 5229.	5.8	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.	2.2	23
12	Health benefits, ecological threats of low-carbon electricity. Environmental Research Letters, 2017, 12, 034023.	2.2	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.	8.2	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.	2.2	6
15	Lifting the fog on characteristics and limitations of hybrid LCA" a reply to "Does hybrid LCA with a		

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19	A Methodology for Integrated, Multiregional Life Cycle Assessment Scenarios under Large-Scale Technological Change. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11218-11226.	4.6	107
20	Integrated life-cycle assessment of electricity-supply scenarios confirms global environmental benefit of low-carbon technologies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6277-6282.	3.3	508
21	Thin-Film Photovoltaic Power Generation Offers Decreasing Greenhouse Gas Emissions and Increasing Environmental Co-benefits in the Long Term. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9834-9843.	4.6	61
22	A Global Environmental Assessment of Electricity Generation Technologies with Low Greenhouse Gas Emissions. <i>Procedia CIRP</i> , 2014, 15, 3-7.	1.0	4
23	Assessment of Low Carbon Energy Technologies: Fossil Fuels and CCS. <i>Energy Procedia</i> , 2013, 37, 2637-2644.	1.8	2