

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9833426/publications.pdf>

Version: 2024-02-01

18  
papers

1,981  
citations

516215

16  
h-index

839053

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

2468  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical analysis of the impacts of COVID-19 on the global economy and ecosystems and opportunities for circular economy strategies. Resources, Conservation and Recycling, 2021, 164, 105169.	5.3	483
2	Operational vs. embodied emissions in buildings—A review of current trends. Energy and Buildings, 2013, 66, 232-245.	3.1	400
3	Perovskite solar cells: An integrated hybrid lifecycle assessment and review in comparison with other photovoltaic technologies. Renewable and Sustainable Energy Reviews, 2017, 80, 1321-1344.	8.2	240
4	Measuring the environmental sustainability performance of global supply chains: A multi-regional input-output analysis for carbon, sulphur oxide and water footprints. Journal of Environmental Management, 2017, 187, 571-585.	3.8	146
5	Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. Energy and Environmental Science, 2017, 10, 653-671.	15.6	130
6	Integrated hybrid life cycle assessment and supply chain environmental profile evaluations of lead-based (lead zirconate titanate) versus lead-free (potassium sodium niobate) piezoelectric ceramics. Energy and Environmental Science, 2016, 9, 3495-3520.	15.6	116
7	Decarbonising ceramic manufacturing: A techno-economic analysis of energy efficient sintering technologies in the functional materials sector. Journal of the European Ceramic Society, 2019, 39, 5213-5235.	2.8	90
8	Are lead-free piezoelectrics more environmentally friendly?. MRS Communications, 2017, 7, 1-7.	0.8	84
9	Integrating economic considerations with operational and embodied emissions into a decision support system for the optimal ranking of building retrofit options. Building and Environment, 2014, 72, 82-101.	3.0	64
10	Life cycle assessment and environmental profile evaluation of lead-free piezoelectrics in comparison with lead zirconate titanate. Journal of the European Ceramic Society, 2018, 38, 4922-4938.	2.8	56
11	Life cycle assessment and environmental profile evaluations of high volumetric efficiency capacitors. Applied Energy, 2018, 220, 496-513.	5.1	35
12	Drivers of U.S. toxicological footprints trajectory 1998–2013. Scientific Reports, 2016, 6, 39514.	1.6	29
13	Modelling Multi-regional Ecological Exchanges: The Case of UK and Africa. Ecological Economics, 2018, 147, 422-435.	2.9	26
14	Comparative environmental profile assessments of commercial and novel material structures for solid oxide fuel cells. Applied Energy, 2019, 235, 1300-1313.	5.1	21
15	Life cycle assessment of functional materials and devices: Opportunities, challenges, and current and future trends. Journal of the American Ceramic Society, 2019, 102, 7037-7064.	1.9	20
16	Application of mixed-mode research paradigms to the building sector: A review and case study towards decarbonising the built and natural environment. Sustainable Cities and Society, 2017, 35, 692-714.	5.1	18
17	The Role of Cycle Life on the Environmental Impact of $\text{Li}_{6.4}\text{La}_3\text{Zr}_{1.4}\text{Ta}_{0.6}\text{O}_{12}$ based Solid-State Batteries. Advanced Sustainable Systems, 2021, 5, 2000241.	2.7	17
18	A Chemical Element Sustainability Index. Resources, Conservation and Recycling, 2021, 166, 105317.	5.3	6