

# Michael Saidani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6352583/publications.pdf>

Version: 2024-02-01

30  
papers

1,142  
citations

933447

10  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

938  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Nexus Between Life Cycle Assessment, Circularity and Sustainability Indicatorsâ€™Part II: Experimentations. Circular Economy and Sustainability, 2022, 2, 1399-1424.  | 5.5  | 2         |
| 2  | Nexus Between Life Cycle Assessment, Circularity, and Sustainability Indicatorsâ€™Part I: a Review. Circular Economy and Sustainability, 2022, 2, 1143-1156.  | 5.5  | 5         |
| 3  | Combining life cycle assessment and online customer reviews to design more sustainable products - Case study on a printing machine. Procedia CIRP, 2022, 109, 604-609.  | 1.9  | 1         |
| 4  | Benchmark of Circularity Indicators and Links with Life Cycle Assessment. E3S Web of Conferences, 2022, 349, 01004.   | 0.5  | 0         |
| 5  | Clarify the nexus between life cycle assessment and circularity indicators: a SETAC/ACLCA interest group. International Journal of Life Cycle Assessment, 2022, 27, 916-925.  | 4.7  | 4         |
| 6  | Towards a Smart E-Waste System Utilizing Supply Chain Participants and Interactive Online Maps. Recycling, 2021, 6, 8.  | 5.0  | 35        |
| 7  | A Discrete Event Simulation-Based Model to Optimally Design and Dimension Mobile COVID-19 Saliva-Based Testing Stations. Simulation in Healthcare, 2021, 16, 151-152.   | 1.2  | 6         |
| 8  | Multi-tool methodology to evaluate action levers to close the loop on critical materials â€™Application to precious metals used in catalytic converters. Sustainable Production and Consumption, 2021, 26, 999-1010.                      | 11.0 | 1         |
| 9  | Quantification of the environmental and economic benefits of the electrification of lawn mowers on the US residential market. International Journal of Life Cycle Assessment, 2021, 26, 1267-1284.  | 4.7  | 5         |
| 10 | Comparative life cycle assessment and costing of an autonomous lawn mowing system with human-operated alternatives: implication for sustainable design improvements. International Journal of Sustainable Engineering, 2021, 14, 704-724. | 3.5  | 9         |
| 11 | Designing an Optimal Modular-Based Product Family Under Intellectual Property and Sustainability Considerations. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .   | 2.9  | 8         |
| 12 | Designing optimal COVID-19 testing stations locally: A discrete event simulation model applied on a university campus. PLoS ONE, 2021, 16, e0253869.  | 2.5  | 15        |
| 13 | UNDERSTANDING AND MONITORING ENVIRONMENTAL PERFORMANCE OF INFRASTRUCTURE DESIGN PROJECTS. Proceedings of the Design Society, 2021, 1, 3269-3278.  | 0.8  | 1         |
| 14 | COMPARING LIFE CYCLE IMPACT ASSESSMENT, CIRCULARITY AND SUSTAINABILITY INDICATORS FOR SUSTAINABLE DESIGN: RESULTS FROM A HANDS-ON PROJECT WITH 87 ENGINEERING STUDENTS. Proceedings of the Design Society, 2021, 1, 681-690.              | 0.8  | 7         |
| 15 | Two decades of research on waste management in the circular economy: Insights from bibliometric, text mining, and content analyses. Journal of Cleaner Production, 2021, 314, 128009.   | 9.3  | 107       |
| 16 | Circular economy as a key for industrial value chain resilience in a post-COVID world: what do future engineers think?. Procedia CIRP, 2021, 103, 26-31.  | 1.9  | 7         |
| 17 | TRANSITION TOWARDS A CIRCULAR ECONOMY: THE ROLE OF UNIVERSITY ASSETS IN THE IMPLEMENTATION OF A NEW MODEL. Detritus, 2021, , 3-14.  | 0.9  | 11        |
| 18 | Assessing the environmental and economic sustainability of autonomous systems: A case study in the agricultural industry. Procedia CIRP, 2020, 90, 209-214.   | 1.9  | 9         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | A Research Roadmap for Sustainable Design Methods and Tools. Sustainability, 2020, 12, 8174.   | 3.2  | 26        |
| 20 | Dismantling, remanufacturing and recovering heavy vehicles in a circular economy – Technico-economic and organisational lessons learnt from an industrial pilot study. Resources, Conservation and Recycling, 2020, 156, 104684. | 10.8 | 28        |
| 21 | Optimal Product Family Architecture Design and Commonality Decision for Sustainability and Intellectual Property Protection. , 2020, , .   |      | 2         |
| 22 | Switching From Petroleum- to Bio-Based Plastics: Visualization Tools to Screen Sustainable Material Alternatives During the Design Process. , 2020, , .  |      | 1         |
| 23 | Testing the Robustness of Circularity Indicators: Empirical Insights from Workshops on an Industrial Product. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 3401-3410.              | 0.6  | 1         |
| 24 | Management of the end-of-life of light and heavy vehicles in the U.S.: comparison with the European union in a circular economy perspective. Journal of Material Cycles and Waste Management, 2019, 21, 1449-1461.               | 3.0  | 32        |
| 25 | Closing the loop on platinum from catalytic converters: Contributions from material flow analysis and circularity indicators. Journal of Industrial Ecology, 2019, 23, 1143-1158.  | 5.5  | 34        |
| 26 | A taxonomy of circular economy indicators. Journal of Cleaner Production, 2019, 207, 542-559.  | 9.3  | 537       |
| 27 | Framing Product Circularity Performance for Optimized Green Profit. , 2019, , .  |      | 7         |
| 28 | Heavy vehicles on the road towards the circular economy: Analysis and comparison with the automotive industry. Resources, Conservation and Recycling, 2018, 135, 108-122.  | 10.8 | 68        |
| 29 | What about the circular economy of vehicles in the U.S.? An extension of the analysis done in the EU by Saidani et al. (2017). Resources, Conservation and Recycling, 2018, 136, 287-288.  | 10.8 | 7         |
| 30 | How to Assess Product Performance in the Circular Economy? Proposed Requirements for the Design of a Circularity Measurement Framework. Recycling, 2017, 2, 6.   | 5.0  | 159       |