

# Nuri C. Onat

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,906  
citations

185998

28  
h-index

189595

50  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conventional, hybrid, plug-in hybrid or electric vehicles? State-based comparative carbon and energy footprint analysis in the United States. <i>Applied Energy</i> , 2015, 150, 36-49.	5.1	275
2	Scope-based carbon footprint analysis of U.S. residential and commercial buildings: An input-output hybrid life cycle assessment approach. <i>Building and Environment</i> , 2014, 72, 53-62.	3.0	188
3	Systems Thinking for Life Cycle Sustainability Assessment: A Review of Recent Developments, Applications, and Future Perspectives. <i>Sustainability</i> , 2017, 9, 706.	1.6	167
4	Integrating triple bottom line input-output analysis into life cycle sustainability assessment framework: the case for US buildings. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1488-1505.	2.2	139
5	Application of the TOPSIS and intuitionistic fuzzy set approaches for ranking the life cycle sustainability performance of alternative vehicle technologies. <i>Sustainable Production and Consumption</i> , 2016, 6, 12-25.	5.7	130
6	Towards greening the U.S. residential building stock: A system dynamics approach. <i>Building and Environment</i> , 2014, 78, 68-80.	3.0	121
7	Integration of system dynamics approach toward deepening and broadening the life cycle sustainability assessment framework: a case for electric vehicles. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 1009-1034.	2.2	115
8	Towards Life Cycle Sustainability Assessment of Alternative Passenger Vehicles. <i>Sustainability</i> , 2014, 6, 9305-9342.	1.6	109
9	Carbon footprint of construction industry: A global review and supply chain analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 124, 109783.	8.2	105
10	Combined application of multi-criteria optimization and life-cycle sustainability assessment for optimal distribution of alternative passenger cars in U.S.. <i>Journal of Cleaner Production</i> , 2016, 112, 291-307.	4.6	99
11	Energy-climate-manufacturing nexus: New insights from the regional and global supply chains of manufacturing industries. <i>Applied Energy</i> , 2016, 184, 889-904.	5.1	96
12	Investigating carbon footprint reduction potential of public transportation in United States: A system dynamics approach. <i>Journal of Cleaner Production</i> , 2016, 133, 1260-1276.	4.6	96
13	Light-duty electric vehicles to improve the integrity of the electricity grid through Vehicle-to-Grid technology: Analysis of regional net revenue and emissions savings. <i>Applied Energy</i> , 2016, 168, 146-158.	5.1	95
14	Carbon and energy footprints of electric delivery trucks: A hybrid multi-regional input-output life cycle assessment. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 47, 195-207.	3.2	87
15	How sustainable is electric mobility? A comprehensive sustainability assessment approach for the case of Qatar. <i>Applied Energy</i> , 2019, 250, 461-477.	5.1	72
16	Exploring the suitability of electric vehicles in the United States. <i>Energy</i> , 2017, 121, 631-642.	4.5	71
17	Uncertainty-embedded dynamic life cycle sustainability assessment framework: An ex-ante perspective on the impacts of alternative vehicle options. <i>Energy</i> , 2016, 112, 715-728.	4.5	68
18	Eco-efficiency of electric vehicles in the United States: A life cycle assessment based principal component analysis. <i>Journal of Cleaner Production</i> , 2019, 212, 515-526.	4.6	66

#	ARTICLE	IF	CITATIONS
19	A system thinking approach for harmonizing smart and sustainable city initiatives with United Nations sustainable development goals. <i>Sustainable Development</i> , 2020, 28, 1347-1365.	6.9	62
20	A global, scope-based carbon footprint modeling for effective carbon reduction policies: Lessons from the Turkish manufacturing. <i>Sustainable Production and Consumption</i> , 2015, 1, 47-66.	5.7	61
21	Sustainability assessment and modeling based on supervised machine learning techniques: The case for food consumption. <i>Journal of Cleaner Production</i> , 2020, 251, 119661.	4.6	58
22	Material footprint of electric vehicles: A multiregional life cycle assessment. <i>Journal of Cleaner Production</i> , 2019, 209, 1033-1043.	4.6	54
23	A framework for water and carbon footprint analysis of national electricity production scenarios. <i>Energy</i> , 2017, 139, 406-421.	4.5	47
24	Assessing regional and global environmental footprints and value added of the largest food producers in the world. <i>Resources, Conservation and Recycling</i> , 2019, 144, 187-197.	5.3	46
25	Well-to-wheel water footprints of conventional versus electric vehicles in the United States: A state-based comparative analysis. <i>Journal of Cleaner Production</i> , 2018, 204, 788-802.	4.6	39
26	Water and carbon footprint reduction potential of renewable energy in the United States: A policy analysis using system dynamics. <i>Journal of Cleaner Production</i> , 2019, 228, 910-926.	4.6	39
27	Public transportation adoption requires a paradigm shift in urban development structure. <i>Journal of Cleaner Production</i> , 2017, 142, 1789-1799.	4.6	36
28	From sustainability assessment to sustainability management for policy development: The case for electric vehicles. <i>Energy Conversion and Management</i> , 2020, 216, 112937.	4.4	33
29	The Climate Change-Road Safety-Economy Nexus: A System Dynamics Approach to Understanding Complex Interdependencies. <i>Systems</i> , 2017, 5, 6.	1.2	28
30	Environmental efficiency of electric vehicles in Europe under various electricity production mix scenarios. <i>Journal of Cleaner Production</i> , 2022, 335, 130291.	4.6	28
31	Exploring the material footprints of national electricity production scenarios until 2050: The case for Turkey and UK. <i>Resources, Conservation and Recycling</i> , 2017, 125, 251-263.	5.3	27
32	Material dependence of national energy development plans: The case for Turkey and United Kingdom. <i>Journal of Cleaner Production</i> , 2018, 200, 490-500.	4.6	27
33	Circular economy application for a Green Stadium construction towards sustainable FIFA world cup Qatar 2022â„¢. <i>Environmental Impact Assessment Review</i> , 2021, 87, 106543.	4.4	27
34	Life cycle sustainability assessment of autonomous heavy-duty trucks. <i>Journal of Industrial Ecology</i> , 2020, 24, 149-164.	2.8	26
35	How circular design can contribute to social sustainability and legacy of the FIFA World Cup Qatar 2022â„¢? The case of innovative shipping container stadium. <i>Environmental Impact Assessment Review</i> , 2021, 91, 106665.	4.4	24
36	How eco-efficient are electric vehicles across Europe? A regionalized life cycle assessment-based eco-efficiency analysis. <i>Sustainable Development</i> , 2021, 29, 941-956.	6.9	23

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37	A model for estimating the carbon footprint of maritime transportation of Liquefied Natural Gas under uncertainty. <i>Sustainable Production and Consumption</i> , 2021, 27, 1602-1613.	5.7	20
38	The Adoption of Electric Vehicles in Qatar Can Contribute to Net Carbon Emission Reduction but Requires Strong Government Incentives. <i>Vehicles</i> , 2021, 3, 618-635.	1.7	20
39	A frontier-based managerial approach for relative sustainability performance assessment of the world's airports. <i>Sustainable Development</i> , 2021, 29, 89-107.	6.9	13
40	A mixed model-based Johnson's relative weights for eco-efficiency assessment: The case for global food consumption. <i>Environmental Impact Assessment Review</i> , 2021, 89, 106588.	4.4	12
41	How to compare sustainability impacts of alternative fuel Vehicles?. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 102, 103129.	3.2	11
42	A novel approach for developing composite eco-efficiency indicators: The case for US food consumption. <i>Journal of Cleaner Production</i> , 2021, 299, 126931.	4.6	8
43	Selection of alternative fuel taxis: a hybridized approach of life cycle sustainability assessment and multi-criteria decision making with neutrosophic sets. <i>International Journal of Sustainable Transportation</i> , 2022, 16, 833-846.	2.1	7
44	An Integrated Dynamical Modeling Perspective for Infrastructure Resilience. <i>Infrastructures</i> , 2018, 3, 11.	1.4	5
45	Life Cycle Sustainability Assessment of Sport Utility Vehicles: The Case for Qatar. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 279-287.	0.5	5
46	Supply Chain Linked Sustainability Assessment of Electric Vehicles: the Case for Qatar. , 2019, , .		4
47	A Novel Hybrid Life Cycle Assessment Approach to Air Emissions and Human Health Impacts of Liquefied Natural Gas Supply Chain. <i>Energies</i> , 2021, 14, 6278.	1.6	4
48	Global Carbon Footprint Analysis of Turkish Construction Industry. <i>Sakarya University Journal of Science</i> , 2018, 22, 529-547.	0.3	4
49	Sustainable Transportation in Qatar. , 2021, , .		3
50	How Can Collaborative Circular Economy Practices in Modular Construction Help Fédération Internationale de Football Association World Cup Qatar 2022 to Achieve Its Quest for Sustainable Development and Ecological Systems?. <i>Frontiers in Sustainability</i> , 2021, 2, .	1.3	3
51	Life Cycle Air Emissions and Social Human Health Impact Assessment of Liquefied Natural Gas Maritime Transport. <i>Energies</i> , 2021, 14, 6208.	1.6	2
52	How sustainable is liquefied natural gas supply chain? An integrated life cycle sustainability assessment model. <i>Energy Conversion and Management: X</i> , 2022, 15, 100246.	0.9	1
53	Exploring the Social, Economic and Environmental Footprint of Food Consumption: A Supply Chain-linked Sustainability Assessment. , 2019, , .		0