Murat KÃ¼Ã§Ã¼kvar

List of Publications by Year
in descending order

85 papers	4,460 citations	70961 41 h-index	106150 65 g-index
87 all docs	87 docs citations	87 times ranked	3538 citing authors

#	Article	IF	Citations
1	Selection of alternative fuel taxis: a hybridized approach of life cycle sustainability assessment and multi-criteria decision making with neutrosophic sets. International Journal of Sustainable Transportation, 2022, 16, 833-846.	2.1	7
2	5G Networks Towards Smart and Sustainable Cities: A Review of Recent Developments, Applications and Future Perspectives. IEEE Access, 2022, 10, 2987-3006.	2.6	32
3	Environmental efficiency of electric vehicles in Europe under various electricity production mix scenarios. Journal of Cleaner Production, 2022, 335, 130291.	4.6	28
4	Sustainability Performance of European Smart Cities: A Novel DEA Approach with Double Frontiers. Sustainable Cities and Society, 2022, 81, 103777.	5.1	33
5	How ecoefficient is European food consumption? A frontierâ€based multiregional inputâ€"output analysis. Sustainable Development, 2022, 30, 817-832.	6.9	6
6	How sustainable is liquefied natural gas supply chain? An integrated life cycle sustainability assessment model. Energy Conversion and Management: X, 2022, 15, 100246.	0.9	1
7	A frontierâ€based managerial approach for relative sustainability performance assessment of the world's airports. Sustainable Development, 2021, 29, 89-107.	6.9	13
8	Circular economy application for a Green Stadium construction towards sustainable FIFA world cup Qatar 2022â„¢. Environmental Impact Assessment Review, 2021, 87, 106543.	4.4	27
9	Sustainable Transportation in Qatar. , 2021, , .		3
10	How ecoâ€efficient are electric vehicles across Europe? A regionalized life cycle assessmentâ€based ecoâ€efficiency analysis. Sustainable Development, 2021, 29, 941-956.	6.9	23
11	Using Data Analytics and Visualization Dashboard for Engineering, Procurement, and Construction Project's Performance Assessment. , 2021, , .		2
12	A novel approach for developing composite eco-efficiency indicators: The case for US food consumption. Journal of Cleaner Production, 2021, 299, 126931.	4.6	8
13	Khalasa date palm leaf fiber as a potential reinforcement for polymeric composite materials. Composite Structures, 2021, 265, 113501.	3.1	30
14	A mixed model-based Johnson's relative weights for eco-efficiency assessment: The case for global food consumption. Environmental Impact Assessment Review, 2021, 89, 106588.	4.4	12
15	A model for estimating the carbon footprint of maritime transportation of Liquefied Natural Gas under uncertainty. Sustainable Production and Consumption, 2021, 27, 1602-1613.	5.7	20
16	The Adoption of Electric Vehicles in Qatar Can Contribute to Net Carbon Emission Reduction but Requires Strong Government Incentives. Vehicles, 2021, 3, 618-635.	1.7	20
17	Life Cycle Air Emissions and Social Human Health Impact Assessment of Liquefied Natural Gas Maritime Transport. Energies, 2021, 14, 6208.	1.6	2
18	How circular design can contribute to social sustainability and legacy of the FIFA World Cup Qatar 2022â„¢? The case of innovative shipping container stadium. Environmental Impact Assessment Review, 2021, 91, 106665.	4.4	24

#	Article	IF	Citations
19	Green Concrete for a Circular Economy: A Review on Sustainability, Durability, and Structural Properties. Materials, 2021, 14, 351.	1.3	35
20	A Novel Hybrid Life Cycle Assessment Approach to Air Emissions and Human Health Impacts of Liquefied Natural Gas Supply Chain. Energies, 2021, 14, 6278.	1.6	4
21	A systematic review for sustainability of global liquified natural gas industry: A 10-year update. Energy Strategy Reviews, 2021, 38, 100768.	3.3	9
22	How Can Collaborative Circular Economy Practices in Modular Construction Help FÃ©dÃ©ration Internationale de Football Association World Cup Qatar 2022 to Achieve Its Quest for Sustainable Development and Ecological Systems?. Frontiers in Sustainability, 2021, 2, .	1.3	3
23	Environmental, Economic, and Social Life Cycle Impacts of Alternative Fuel Buses: the Case for Qatar. , 2021, , .		0
24	Sustainability assessment and modeling based on supervised machine learning techniques: The case for food consumption. Journal of Cleaner Production, 2020, 251, 119661.	4.6	58
25	Life cycle sustainability assessment of autonomous heavyâ€duty trucks. Journal of Industrial Ecology, 2020, 24, 149-164.	2.8	26
26	Ridge Penalization-based weighting approach for Eco-Efficiency assessment: The case in the food industry in the United States. IOP Conference Series: Materials Science and Engineering, 2020, 947, 012003.	0.3	4
27	Developing an Interactive Data Visualization Platform to Present the Adaption of Electrical Vehicles in Washington, California and New York. , 2020, , .		1
28	Carbon footprint of construction industry: A global review and supply chain analysis. Renewable and Sustainable Energy Reviews, 2020, 124, 109783.	8.2	105
29	A system thinking approach for harmonizing smart and sustainable city initiatives with United Nations sustainable development goals. Sustainable Development, 2020, 28, 1347-1365.	6.9	62
30	From sustainability assessment to sustainability management for policy development: The case for electric vehicles. Energy Conversion and Management, 2020, 216, 112937.	4.4	33
31	Life Cycle Sustainability Assessment of Sport Utility Vehicles: The Case for Qatar. Advances in Intelligent Systems and Computing, 2020, , 279-287.	0.5	5
32	Supply Chain Linked Sustainability Assessment of Electric Vehicles: the Case for Qatar. , 2019, , .		4
33	Assessing regional and global environmental footprints and value added of the largest food producers in the world. Resources, Conservation and Recycling, 2019, 144, 187-197.	5.3	46
34	Exploring the Social, Economic and Environmental Footprint of Food Consumption: A Supply Chain-linked Sustainability Assessment. , 2019, , .		0
35	How sustainable is electric mobility? A comprehensive sustainability assessment approach for the case of Qatar. Applied Energy, 2019, 250, 461-477.	5.1	72
36	Eco-efficiency of electric vehicles in the United States: A life cycle assessment based principal component analysis. Journal of Cleaner Production, 2019, 212, 515-526.	4.6	66

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37	Material footprint of electric vehicles: A multiregional life cycle assessment. Journal of Cleaner Production, 2019, 209, 1033-1043.	4.6	54
38	Well-to-wheel water footprints of conventional versus electric vehicles in the United States: A state-based comparative analysis. Journal of Cleaner Production, 2018, 204, 788-802.	4.6	39
39	Material dependence of national energy development plans: The case for Turkey and United Kingdom. Journal of Cleaner Production, 2018, 200, 490-500.	4.6	27
40	Exploring the suitability of electric vehicles in the United States. Energy, 2017, 121, 631-642.	4.5	71
41	From green buildings to green supply chains. Management of Environmental Quality, 2017, 28, 532-548.	2.2	42
42	A framework for water and carbon footprint analysis of national electricity production scenarios. Energy, 2017, 139, 406-421.	4.5	47
43	Exploring the material footprints of national electricity production scenarios until 2050: The case for Turkey and UK. Resources, Conservation and Recycling, 2017, 125, 251-263.	5.3	27
44	Systems Thinking for Life Cycle Sustainability Assessment: A Review of Recent Developments, Applications, and Future Perspectives. Sustainability, 2017, 9, 706.	1.6	167
45	Mode-specific eco-efficiency analysis of the freight transportation in the USA: an integrated life cycle assessment and linear programming approach. World Review of Intermodal Transportation Research, 2016, 6, 16.	0.2	3
46	Life Cycle Assessment and Optimization-Based Decision Analysis of Construction Waste Recycling for a LEED-Certified University Building. Sustainability, 2016, 8, 89.	1.6	54
47	Integration of system dynamics approach toward deepening and broadening the life cycle sustainability assessment framework: a case for electric vehicles. International Journal of Life Cycle Assessment, 2016, 21, 1009-1034.	2.2	115
48	Energy-climate-manufacturing nexus: New insights from the regional and global supply chains of manufacturing industries. Applied Energy, 2016, 184, 889-904.	5.1	96
49	A fuzzy data envelopment analysis framework for dealing with uncertainty impacts of inputâ€"output life cycle assessment models on eco-efficiency assessment. Journal of Cleaner Production, 2016, 129, 622-636.	4.6	89
50	Uncertainty-embedded dynamic life cycle sustainability assessment framework: An ex-ante perspective on the impacts of alternative vehicle options. Energy, 2016, 112, 715-728.	4.5	68
51	Carbon and energy footprints of electric delivery trucks: A hybrid multi-regional input-output life cycle assessment. Transportation Research, Part D: Transport and Environment, 2016, 47, 195-207.	3.2	87
52	Carbon Footprint: Liquefaction Effects on a Private Residence. , 2016, , .		0
53	Intuitionistic fuzzy multi-criteria decision making framework based on life cycle environmental, economic and social impacts: The case of U.S. wind energy. Sustainable Production and Consumption, 2016, 8, 78-92.	5.7	70
54	Integrating expert weighting and multi-criteria decision making into eco-efficiency analysis: the case of US manufacturing. Journal of the Operational Research Society, 2016, 67, 616-628.	2.1	37

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55	Application of the TOPSIS and intuitionistic fuzzy set approaches for ranking the life cycle sustainability performance of alternative vehicle technologies. Sustainable Production and Consumption, 2016, 6, 12-25.	5.7	130
56	Emergy and end-point impact assessment of agricultural and food production in the United States: A supply chain-linked Ecologically-based Life Cycle Assessment. Ecological Indicators, 2016, 62, 117-137.	2.6	73
57	Supply chain-linked sustainability assessment of the US manufacturing: An ecosystem perspective. Sustainable Production and Consumption, 2016, 5, 65-81.	5.7	21
58	Combined application of multi-criteria optimization and life-cycle sustainability assessment for optimal distribution of alternative passenger cars in U.S.. Journal of Cleaner Production, 2016, 112, 291-307.	4.6	99
59	Sustainability Metrics for Performance-Based Seismic Bridge Response. Journal of Structural Engineering, 2016, 142, .	1.7	17
60	A global, scope-based carbon footprint modeling for effective carbon reduction policies: Lessons from the Turkish manufacturing. Sustainable Production and Consumption, 2015, 1, 47-66.	5.7	61
61	A Framework for Sustainable Urban Water Management through Demand and Supply Forecasting: The Case of Istanbul. Sustainability, 2015, 7, 11050-11067.	1.6	23
62	A Novel Life Cycle-based Principal Component Analysis Framework for Eco-efficiency Analysis: Case of the United States Manufacturing and Transportation Nexus. Journal of Cleaner Production, 2015, 92, 327-342.	4.6	71
63	Conventional, hybrid, plug-in hybrid or electric vehicles? State-based comparative carbon and energy footprint analysis in the United States. Applied Energy, 2015, 150, 36-49.	5.1	275
64	Linking national food production to global supply chain impacts for the energy-climate challenge: the cases of the EU-27 and Turkey. Journal of Cleaner Production, 2015, 108, 395-408.	4.6	52
65	A macro-level decision analysis of wind power as a solution for sustainable energy in the USA. International Journal of Sustainable Energy, 2015, 34, 629-644.	1.3	45
66	Environmental sustainability benchmarking of the U.S. and Canada metropoles: An expert judgment-based multi-criteria decision making approach. Cities, 2015, 42, 31-41.	2.7	77
67	Towards Life Cycle Sustainability Assessment of Alternative Passenger Vehicles. Sustainability, 2014, 6, 9305-9342.	1.6	109
68	Stochastic decision modeling for sustainable pavement designs. International Journal of Life Cycle Assessment, 2014, 19, 1185-1199.	2.2	84
69	Ranking the sustainability performance of pavements: An intuitionistic fuzzy decision making method. Automation in Construction, 2014, 40, 33-43.	4.8	93
70	Evaluating environmental impacts of alternative construction waste management approaches using supply-chain-linked life-cycle analysis. Waste Management and Research, 2014, 32, 500-508.	2.2	70
71	Sustainability assessment of U.S. final consumption and investments: triple-bottom-line input–output analysis. Journal of Cleaner Production, 2014, 81, 234-243.	4.6	86
72	Integrating triple bottom line input–output analysis into life cycle sustainability assessment framework: the case for US buildings. International Journal of Life Cycle Assessment, 2014, 19, 1488-1505.	2.2	139

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73	Supply chain sustainability assessment of the U.S. food manufacturing sectors: A life cycle-based frontier approach. Resources, Conservation and Recycling, 2014, 82, 8-20.	5.3	137
74	Scope-based carbon footprint analysis of U.S. residential and commercial buildings: An inputâ€"output hybrid life cycle assessment approach. Building and Environment, 2014, 72, 53-62.	3.0	188
75	Towards a triple bottom-line sustainability assessment of the U.S. construction industry. International Journal of Life Cycle Assessment, 2013, 18, 958-972.	2.2	118
76	Sustainability assessment of U.S. manufacturing sectors: an economic input output-based frontier approach. Journal of Cleaner Production, 2013, 53, 91-102.	4.6	171
77	Congestion Relief Based on Intelligent Transportation Systems in Florida. Transportation Research Record, 2013, 2380, 81-89.	1.0	8
78	Eco-Efficiency of Construction Materials: Data Envelopment Analysis. Journal of Construction Engineering and Management - ASCE, 2012, 138, 733-741.	2.0	71
79	Sustainability Assessment of U.S. Construction Sectors: Ecosystems Perspective. Journal of Construction Engineering and Management - ASCE, 2012, 138, 918-922.	2.0	31
80	Comparative sustainability assessment of warm-mix asphalts: A thermodynamic based hybrid life cycle analysis. Resources, Conservation and Recycling, 2012, 58, 18-24.	5.3	65
81	Ecologically based hybrid life cycle analysis of continuously reinforced concrete and hot-mix asphalt pavements. Transportation Research, Part D: Transport and Environment, 2012, 17, 86-90.	3.2	46
82	A comprehensive life cycle analysis of cofiring algae in a coal power plant as a solution for achieving sustainable energy. Energy, 2011, 36, 6352-6357.	4.5	55
83	Cost premium prediction of certified green buildings: A neural network approach. Building and Environment, 2011, 46, 1081-1086.	3.0	100
84	How FIFA World Cup 2022â„¢ can meet the carbon neutral commitments and the United Nations 2030 Agenda for Sustainable Development?: Reflections from the tree nursery project in Qatar. Sustainable Development, 0, , .	6.9	11
85	Investigating the role of stakeholder engagement for more resilient vaccine supply chains during COVID-19. Operations Management Research, 0, , .	5.0	12