

# Robert Malina

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,035  
citations

218677

26  
h-index

265206

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of renewable jet fuel range alkanes and commodity chemicals from integrated catalytic processing of biomass. <i>Energy and Environmental Science</i> , 2014, 7, 1500-1523.	30.8	342
2	Aviation CO2 emissions reductions from the use of alternative jet fuels. <i>Energy Policy</i> , 2018, 114, 342-354.	8.8	153
3	Environmental and economic assessment of producing hydroprocessed jet and diesel fuel from waste oils and tallow. <i>Biomass and Bioenergy</i> , 2014, 67, 108-118.	5.7	88
4	Lifecycle greenhouse gas footprint and minimum selling price of renewable diesel and jet fuel from fermentation and advanced fermentation production technologies. <i>Energy and Environmental Science</i> , 2014, 7, 1545-1554.	30.8	84
5	Impact of the Volkswagen emissions control defeat device on US public health. <i>Environmental Research Letters</i> , 2015, 10, 114005.	5.2	81
6	CORSIA: The first internationally adopted approach to calculate life-cycle GHG emissions for aviation fuels. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111398.	16.4	75
7	Public Health, Climate, and Economic Impacts of Desulfurizing Jet Fuel. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4275-4282.	10.0	74
8	The costs of production of alternative jet fuel: A harmonized stochastic assessment. <i>Bioresource Technology</i> , 2017, 227, 179-187.	9.6	74
9	The evolution of the biofuel science. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 1479-1484.	16.4	69
10	The impact of the European Union Emissions Trading Scheme on US aviation. <i>Journal of Air Transport Management</i> , 2012, 19, 36-41.	4.5	68
11	How air transport connects the world – A new metric of air connectivity and its evolution between 1990 and 2012. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 80, 184-201.	7.4	68
12	A review of sustainability indicators for biobased chemicals. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 115-126.	16.4	67
13	Life Cycle Assessment and Environmental Valuation of Biochar Production: Two Case Studies in Belgium. <i>Energies</i> , 2019, 12, 2166.	3.1	56
14	Techno-economic and environmental evaluation of producing chemicals and drop-in aviation biofuels via aqueous phase processing. <i>Energy and Environmental Science</i> , 2018, 11, 2085-2101.	30.8	54
15	Do the regional growth effects of air transport differ among airports?. <i>Journal of Air Transport Management</i> , 2014, 37, 1-4.	4.5	53
16	Airport Incentive Programmes: A European Perspective. <i>Transport Reviews</i> , 2012, 32, 435-453.	8.8	51
17	Economic and Environmental Benefits of Higher-Octane Gasoline. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6561-6568.	10.0	51
18	Black carbon emissions reductions from combustion of alternative jet fuels. <i>Atmospheric Environment</i> , 2015, 105, 37-42.	4.1	49

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19	The impact of hubbing concentration on flight delays within airline networks: An empirical analysis of the US domestic market. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 66, 103-114.	7.4	47
20	Economic and environmental assessment of liquefied natural gas as a supplemental aircraft fuel. <i>Progress in Aerospace Sciences</i> , 2014, 66, 17-36.	12.1	40
21	Estimating induced land use change emissions for sustainable aviation biofuel pathways. <i>Science of the Total Environment</i> , 2021, 779, 146238.	8.0	37
22	Which factors impact on the presence of incentives for route and traffic development? Econometric evidence from European airports. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2013, 60, 49-61.	7.4	33
23	Water Consumption Footprint and Land Requirements of Large-Scale Alternative Diesel and Jet Fuel Production. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12557-12565.	10.0	32
24	Environmental and economic tradeoffs of using corn stover for liquid fuels and power production. <i>Energy and Environmental Science</i> , 2015, 8, 1428-1437.	30.8	28
25	Towards more predictive and interdisciplinary climate change ecosystem experiments. <i>Nature Climate Change</i> , 2019, 9, 809-816.	18.8	28
26	Energy return on investment for alternative jet fuels. <i>Applied Energy</i> , 2015, 141, 167-174.	10.1	27
27	Sustainability indicators for biobased chemicals: A Delphi study using Multi-Criteria Decision Analysis. <i>Resources, Conservation and Recycling</i> , 2019, 144, 198-208.	10.8	25
28	Life Cycle Greenhouse Gas Emissions and Costs of Production of Diesel and Jet Fuel from Municipal Solid Waste. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12055-12065.	10.0	24
29	An integrated techno-sustainability assessment (TSA) framework for emerging technologies. <i>Green Chemistry</i> , 2021, 23, 1700-1715.	9.0	23
30	Can immersive virtual reality increase respondents'™ certainty in discrete choice experiments? A comparison with traditional presentation formats. <i>Journal of Environmental Economics and Management</i> , 2021, 109, 102509.	4.7	19
31	Costs and benefits of US aviation noise land-use policies. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 44, 147-156.	6.8	17
32	Carbon, climate, and economic breakeven times for biofuel from woody biomass from managed forests. <i>Ecological Economics</i> , 2015, 112, 45-52.	5.7	16
33	Exploring the future of carbon capture and utilisation by combining an international Delphi study with local scenario development. <i>Resources, Conservation and Recycling</i> , 2019, 146, 484-501.	10.8	16
34	The impact of wildfires on the recreational value of heathland: A discrete factor approach with adjustment for on-site sampling. <i>Journal of Environmental Economics and Management</i> , 2020, 101, 102317.	4.7	12
35	Are biodiversity losses valued differently when they are caused by human activities? A meta-analysis of the non-use valuation literature. <i>Environmental Research Letters</i> , 2020, 15, 073003.	5.2	12
36	The economic impact of aviation: A review on the role of market access. <i>Journal of Air Transport Management</i> , 2021, 91, 102000.	4.5	11

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37	The recreational value of a peri-urban forest in Morocco. <i>Urban Forestry and Urban Greening</i> , 2021, 65, 127339.	5.3	8
38	Using dynamic relative climate impact curves to quantify the climate impact of bioenergy production systems over time. <i>GCB Bioenergy</i> , 2019, 11, 427-443.	5.6	7
39	Quantitative Policy Analysis for Sustainable Aviation Fuel Production Technologies. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	7
40	Biochar's effect on the ecosystem services provided by sandy-textured and contaminated sandy soils: a systematic review protocol. <i>Environmental Evidence</i> , 2021, 10, .	2.7	3
41	A Techno-economic Assessment of a Biocatalytic Chiral Amine Production Process Integrated with <i>In Situ</i> Membrane Extraction. <i>Organic Process Research and Development</i> , 2022, 26, 2052-2066.	2.7	3
42	Air connectivity and regional employment: a spatial econometrics approach. <i>Regional Studies</i> , 2023, 57, 560-575.	4.4	2
43	Measuring the quality of air transport networks. , 2020, , 6-30.		1