

Nicholas Z Muller

List of Publications by Year in descending order

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56
papers

4,466
citations

257450

24
h-index

168389

53
g-index

59
all docs

59
docs citations

59
times ranked

4773
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneously Mitigating Near-Term Climate Change and Improving Human Health and Food Security. <i>Science</i> , 2012, 335, 183-189.	12.6	1,107
2	Efficient Pollution Regulation: Getting the Prices Right. <i>American Economic Review</i> , 2009, 99, 1714-1739.	8.5	374
3	Environmental Accounting for Pollution in the United States Economy. <i>American Economic Review</i> , 2011, 101, 1649-1675.	8.5	370
4	Inequity in consumption of goods and services adds to racialðn ethnic disparities in air pollution exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6001-6006.	7.1	349
5	Global Air Quality and Health Co-benefits of Mitigating Near-Term Climate Change through Methane and Black Carbon Emission Controls. <i>Environmental Health Perspectives</i> , 2012, 120, 831-839.	6.0	340
6	Measuring the damages of air pollution in the United States. <i>Journal of Environmental Economics and Management</i> , 2007, 54, 1-14.	4.7	292
7	Are There Environmental Benefits from Driving Electric Vehicles? The Importance of Local Factors. <i>American Economic Review</i> , 2016, 106, 3700-3729.	8.5	246
8	Climate, health, agricultural and economic impacts of tighter vehicle-emission standards. <i>Nature Climate Change</i> , 2011, 1, 59-66.	18.8	153
9	Air pollution emissions and damages from energy production in the U.S.: 2002ðn 2011. <i>Energy Policy</i> , 2016, 90, 202-211.	8.8	101
10	Fine particulate matter damages and value added in the US economy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19857-19862.	7.1	74
11	Air qualityðn related health damages of food. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	70
12	Boosting GDP growth by accounting for the environment. <i>Science</i> , 2014, 345, 873-874.	12.6	68
13	An inter-comparison of the social costs of air quality from reduced-complexity models. <i>Environmental Research Letters</i> , 2019, 14, 074016.	5.2	66
14	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. <i>Environmental Science and Technology Letters</i> , 2020, 7, 639-645.	8.7	64
15	The Ancillary Benefits from Climate Policy in the United States. <i>Environmental and Resource Economics</i> , 2011, 50, 585-603.	3.2	56
16	Effect of Model Spatial Resolution on Estimates of Fine Particulate Matter Exposure and Exposure Disparities in the United States. <i>Environmental Science and Technology Letters</i> , 2018, 5, 436-441.	8.7	54
17	The design of optimal climate policy with air pollution co-benefits. <i>Resources and Energy Economics</i> , 2012, 34, 696-722.	2.5	42
18	Integrated Assessment of the Spatial Variability of Ozone Impacts from Emissions of Nitrogen Oxides. <i>Environmental Science & Technology</i> , 2006, 40, 1395-1400.	10.0	38

#	ARTICLE	IF	CITATIONS
19	The environmental benefits of transportation electrification: Urban buses. <i>Energy Policy</i> , 2021, 148, 111921.	8.8	38
20	The impact of trading on the costs and benefits of the Acid Rain Program. <i>Journal of Environmental Economics and Management</i> , 2018, 88, 180-209.	4.7	37
21	Damages and Expected Deaths Due to Excess NO _x Emissions from 2009 to 2015 Volkswagen Diesel Vehicles. <i>Environmental Science & Technology</i> , 2016, 50, 1111-1117.	10.0	34
22	Cumulative environmental and employment impacts of the shale gas boom. <i>Nature Sustainability</i> , 2019, 2, 1122-1131.	23.7	34
23	Optimizing Emissions Reductions from the U.S. Power Sector for Climate and Health Benefits. <i>Environmental Science & Technology</i> , 2020, 54, 7513-7523.	10.0	31
24	Decompositions and Policy Consequences of an Extraordinary Decline in Air Pollution from Electricity Generation. <i>American Economic Journal: Economic Policy</i> , 2020, 12, 244-274.	3.1	31
25	The social cost of trading: Measuring the increased damages from sulfur dioxide trading in the United States. <i>Journal of Policy Analysis and Management</i> , 2011, 30, 598-612.	1.4	26
26	The distribution of income is worse than you think: Including pollution impacts into measures of income inequality. <i>PLoS ONE</i> , 2018, 13, e0192461.	2.5	24
27	Using index numbers for deflation in environmental accounting. <i>Environment and Development Economics</i> , 2014, 19, 466-486.	1.5	23
28	External Costs of Transporting Petroleum Products: Evidence from Shipments of Crude Oil from North Dakota by Pipelines and Rail. <i>Energy Journal</i> , 2019, 40, 55-72.	1.7	23
29	PM2.5 co-benefits of climate change legislation part 1: California's AB 32. <i>Climatic Change</i> , 2013, 117, 377-397.	3.6	22
30	Mortality Risk from PM2.5: A Comparison of Modeling Approaches to Identify Disparities across Racial/Ethnic Groups in Policy Outcomes. <i>Environmental Health Perspectives</i> , 2021, 129, 127004.	6.0	22
31	Efficient Pollution Regulation: Getting the Prices Right: Corrigendum (Mortality Rate Update). <i>American Economic Review</i> , 2012, 102, 613-616.	8.5	21
32	Does environmental policy affect scaling laws between population and pollution? Evidence from American metropolitan areas. <i>PLoS ONE</i> , 2017, 12, e0181407.	2.5	21
33	Expected Health Effects of Reduced Air Pollution from COVID-19 Social Distancing. <i>Atmosphere</i> , 2021, 12, 951.	2.3	19
34	Using air quality modeling to study source-receptor relationships between nitrogen oxides emissions and ozone exposures over the United States. <i>Environment International</i> , 2009, 35, 1109-1117.	10.0	18
35	Recent Increases in Air Pollution: Evidence and Implications for Mortality. <i>Review of Environmental Economics and Policy</i> , 2021, 15, 154-162.	7.0	15
36	What Forces Dictate the Design of Pollution Monitoring Networks?. <i>Environmental Modeling and Assessment</i> , 2018, 23, 1-14.	2.2	14

#	ARTICLE	IF	CITATIONS
37	The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010.		14
38	Air and Water: Integrated Assessment Models for Multiple Media. Annual Review of Resource Economics, 2017, 9, 165-184.	3.7	13
39	The local air pollution cost of coal storage and handling: Evidence from U.S. power plants. Journal of Environmental Economics and Management, 2018, 92, 360-396.	4.7	13
40	Using hedonic property models to value public water bodies: An analysis of specification issues. Water Resources Research, 2009, 45, .	4.2	12
41	Regional and county flows of particulate matter damage in the US. Environmental Research Letters, 2020, 15, 104073.	5.2	11
42	Quantifying the social equity state of an energy system: environmental and labor market equity of the shale gas boom in Appalachia. Environmental Research Letters, 2019, 14, 124072.	5.2	10
43	Environmental Benefit-Cost Analysis and the National Accounts. Journal of Benefit-Cost Analysis, 2018, 9, 27-66.	1.2	8
44	On the divergence between fuel and service prices: The importance of technological change and diffusion in an American frontier economy. Explorations in Economic History, 2016, 60, 93-111.	1.7	5
45	Long-Run Environmental Accounting in the US Economy. Environmental and Energy Policy and the Economy, 2020, 1, 158-191.	3.3	5
46	Toward the Measurement of Net Economic Welfare. , 2014, , .		5
47	Efficient Pollution Regulation: Getting the Prices Right: Reply. American Economic Review, 2012, 102, 608-612.	8.5	4
48	Response to Comment on "Damages and expected deaths due to excess NO _x emissions from 2009-2015 Volkswagen diesel vehicles" Environmental Science & Technology, 2016, 50, 4137-4138.	10.0	4
49	Power Laws and Air Pollution. Environmental Modeling and Assessment, 2016, 21, 31-52.	2.2	4
50	Does Environmental Policy Affect Income Inequality? Evidence from the Clean Air Act. AEA Papers and Proceedings American Economic Association, 2019, 109, 271-276.	1.2	4
51	Comment on "Diminishing Returns or Compounding Benefits of Air Pollution Control? The Case of NO _x and Ozone" Environmental Science & Technology, 2016, 50, 500-501.	10.0	3
52	Near term carbon tax policy in the US Economy: limits to deep decarbonization. Environmental Research Communications, 2020, 2, 051004.	2.3	3
53	Sinusoidal modeling applied to spatially variant tropospheric ozone air pollution. Environmetrics, 2008, 19, 567-581.	1.4	2
54	The derivation of discount rates with an augmented measure of income. Journal of Environmental Economics and Management, 2019, 95, 87-101.	4.7	2

#	ARTICLE	IF	CITATIONS
55	Greenhouse Gas Estimates of LNG Exports Must Include Global Market Effects. Environmental Science & Technology, 2022, 56, 1194-1201.	10.0	1
56	Policy spillovers, technological lock-in, and efficiency gains from regional pollution taxes in the U.S.. Energy and Climate Change, 2022, , 100077.	4.4	0