

# Narasimha D Rao

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

4,301  
citations

156536

32  
h-index

150775

59  
g-index

62  
all docs

62  
docs citations

62  
times ranked

4442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancing energy and well-being research. Nature Sustainability, 2022, 5, 98-103.	11.5	20
2	Beyond income: correlates of conspicuous and luxury consumption in India. Sustainability: Science, Practice, and Policy, 2022, 18, 142-157.	1.1	3
3	Improved Copper Circularity as a Result of Increased Material Efficiency in the U.S. Housing Stock. Environmental Science & Technology, 2022, 56, 4565-4577.	4.6	2
4	Cool roofs can mitigate cooling energy demand for informal settlement dwellers. Renewable and Sustainable Energy Reviews, 2022, 159, 112183.	8.2	18
5	How much infrastructure is required to support decent mobility for all? An exploratory assessment. Ecological Economics, 2022, 200, 107511.	2.9	14
6	Durable Goods Drive Two-Thirds of Global Households' Final Energy Footprints. Environmental Science & Technology, 2021, 55, 3175-3187.	4.6	14
7	Household contributions to and impacts from air pollution in India. Nature Sustainability, 2021, 4, 859-867.	11.5	37
8	Application of an alternative framework for measuring progress towards SDG 7.1. Environmental Research Letters, 2021, 16, 084048.	2.2	7
9	Decent living gaps and energy needs around the world. Environmental Research Letters, 2021, 16, 095006.	2.2	53
10	A Framework for Modelling Consumption-Based Energy Demand and Emission Pathways. Environmental Science & Technology, 2020, 54, 1799-1807.	4.6	21
11	The role of energy in mitigating grain storage losses in India and the impact for nutrition. Resources, Conservation and Recycling, 2020, 163, 105100.	5.3	5
12	The NEXUS Solutions Tool (NEST) v1.0: an open platform for optimizing multi-scale energy-water-land system transformations. Geoscientific Model Development, 2020, 13, 1095-1121.	1.3	31
13	Providing decent living with minimum energy: A global scenario. Global Environmental Change, 2020, 65, 102168.	3.6	217
14	Advancing energy poverty measurement for SDG7. Progress in Energy, 2020, 2, 043001.	4.6	25
15	Explaining income inequality trends: An integrated approach. Working Paper Series, 2020, , .	0.7	5
16	Income inequality projections for the Shared Socioeconomic Pathways (SSPs). Futures, 2019, 105, 27-39.	1.4	59
17	Bridging India's housing gap: lowering costs and CO <sub>2</sub> emissions. Building Research and Information, 2019, 47, 8-23.	2.0	18
18	Improving the SDG energy poverty targets: Residential cooling needs in the Global South. Energy and Buildings, 2019, 186, 405-415.	3.1	93

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19	Sensitivity of grain yields to historical climate variability in India. Environmental Research Letters, 2019, 14, 064013.	2.2	54
20	Assessing the sustainability of post-Green Revolution cereals in India. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25034-25041.	3.3	75
21	Energy requirements for decent living in India, Brazil and South Africa. Nature Energy, 2019, 4, 1025-1032.	19.8	107
22	Spatial analysis of energy use and GHG emissions from cereal production in India. Science of the Total Environment, 2019, 654, 841-849.	3.9	35
23	Balancing clean water-climate change mitigation trade-offs. Environmental Research Letters, 2019, 14, 014009.	2.2	48
24	Towards demand-side solutions for mitigating climate change. Nature Climate Change, 2018, 8, 260-263.	8.1	496
25	Less global inequality can improve climate outcomes. Wiley Interdisciplinary Reviews: Climate Change, 2018, 9, e513.	3.6	43
26	Healthy, affordable and climate-friendly diets in India. Global Environmental Change, 2018, 49, 154-165.	3.6	77
27	Decent Living Standards: Material Prerequisites for Human Wellbeing. Social Indicators Research, 2018, 138, 225-244.	1.4	151
28	Estimating Uncertainty in Household Energy Footprints. Journal of Industrial Ecology, 2018, 22, 1307-1317.	2.8	30
29	Impact of Historical Changes in Coarse Cereals Consumption in India on Micronutrient Intake and Anemia Prevalence. Food and Nutrition Bulletin, 2018, 39, 377-392.	0.5	51
30	A low energy demand scenario for meeting the 1.5°C target and sustainable development goals without negative emission technologies. Nature Energy, 2018, 3, 515-527.	19.8	733
31	Outlook for modern cooking energy access in Central America. PLoS ONE, 2018, 13, e0197974.	1.1	16
32	Global exposure and vulnerability to multi-sector development and climate change hotspots. Environmental Research Letters, 2018, 13, 055012.	2.2	162
33	Energy investment needs for fulfilling the Paris Agreement and achieving the Sustainable Development Goals. Nature Energy, 2018, 3, 589-599.	19.8	377
34	India's energy and emissions future: an interpretive analysis of model scenarios. Environmental Research Letters, 2018, 13, 074018.	2.2	30
35	Applying LCA to Estimate Development Energy Needs: The Cases of India and Brazil. , 2018, , 397-406.		0
36	Energy access and living standards: some observations on recent trends. Environmental Research Letters, 2017, 12, 025011.	2.2	90

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37	White goods for white people? Drivers of electric appliance growth in emerging economies. Energy Research and Social Science, 2017, 27, 106-116.	3.0	46
38	Access to infrastructure services: Global trends and drivers. Utilities Policy, 2017, 45, 109-117.	2.1	8
39	Decent housing in the developing world: Reducing life-cycle energy requirements. Energy and Buildings, 2017, 152, 629-642.	3.1	25
40	Improving poverty and inequality modelling in climate research. Nature Climate Change, 2017, 7, 857-862.	8.1	78
41	Could resource rents finance universal access to infrastructure? A first exploration of needs and rents. Environment and Development Economics, 2016, 21, 691-712.	1.3	14
42	Carbon Pricing Revenues Could Close Infrastructure Access Gaps. World Development, 2016, 84, 254-265.	2.6	54
43	Climate and human development impacts on municipal water demand: A spatially-explicit global modeling framework. Environmental Modelling and Software, 2016, 85, 266-278.	1.9	24
44	Policy trade-offs between climate mitigation and clean cook-stove access in South Asia. Nature Energy, 2016, 1, .	19.8	81
45	What are we measuring? An empirical analysis of household electricity access metrics in rural Bangladesh. Energy for Sustainable Development, 2016, 30, 21-31.	2.0	54
46	Human development in a climate-constrained world: What the past says about the future. Global Environmental Change, 2015, 33, 14-22.	3.6	57
47	Assessing rural energy sustainability in developing countries. Energy for Sustainable Development, 2014, 19, 15-28.	2.0	106
48	Climate impacts of poverty eradication. Nature Climate Change, 2014, 4, 749-751.	8.1	41
49	International and intranational equity in sharing climate change mitigation burdens. International Environmental Agreements: Politics, Law and Economics, 2014, 14, 129-146.	1.5	19
50	Gender impacts and determinants of energy poverty: are we asking the right questions?. Current Opinion in Environmental Sustainability, 2013, 5, 205-215.	3.1	121
51	Does (better) electricity supply increase household enterprise income in India?. Energy Policy, 2013, 57, 532-541.	4.2	61
52	Distributional impacts of climate change mitigation in Indian electricity: The influence of governance. Energy Policy, 2013, 61, 1344-1356.	4.2	14
53	“Decent Living” Emissions: A Conceptual Framework. Sustainability, 2012, 4, 656-681.	1.6	84
54	Kerosene subsidies in India: When energy policy fails as social policy. Energy for Sustainable Development, 2012, 16, 35-43.	2.0	91

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55	Supply and Demand of Electricity in the Developing World. Annual Review of Resource Economics, 2009, 1, 567-596.	1.5	46
56	Regulatory practice and politics: Lessons from independent regulation in Indian electricity. Utilities Policy, 2008, 16, 321-331.	2.1	41
57	Transmission Markets. Electricity Journal, 2000, 13, 20-29.	1.3	1
58	Could Resource Rents Finance Universal Access to Infrastructure? A First Exploration of Needs and Rents. SSRN Electronic Journal, 0, , .	0.4	1