

Shonali Pachauri

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79 papers	5,297 citations	39 h-index	72 g-index
88 ext. papers	6,483 ext. citations	13.2 avg, IF	6.09 L-index

#	Paper	IF	Citations
79	The marker quantification of the Shared Socioeconomic Pathway 2: A middle-of-the-road scenario for the 21st century. <i>Global Environmental Change</i> , 2017 , 42, 251-267	10.1	349
78	The household energy transition in India and China. <i>Energy Policy</i> , 2008 , 36, 4022-4035	7.2	340
77	A comparative multivariate analysis of household energy requirements in Australia, Brazil, Denmark, India and Japan. <i>Energy</i> , 2006 , 31, 181-207	7.9	294
76	Global demographic trends and future carbon emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17521-6	11.5	258
75	An analysis of cross-sectional variations in total household energy requirements in India using micro survey data. <i>Energy Policy</i> , 2004 , 32, 1723-1735	7.2	214
74	Energy investment needs for fulfilling the Paris Agreement and achieving the Sustainable Development Goals. <i>Nature Energy</i> , 2018 , 3, 589-599	62.3	207
73	Elasticities of electricity demand in urban Indian households. <i>Energy Policy</i> , 2004 , 32, 429-436	7.2	203
72	On Measuring Energy Poverty in Indian Households. <i>World Development</i> , 2004 , 32, 2083-2104	5.5	202
71	Direct and indirect energy requirements of households in India. <i>Energy Policy</i> , 2002 , 30, 511-523	7.2	174
70	Determinants of household energy consumption in India. <i>Energy Policy</i> , 2010 , 38, 5696-5707	7.2	171
69	Connecting the sustainable development goals by their energy inter-linkages. <i>Environmental Research Letters</i> , 2018 , 13, 033006	6.2	168
68	Energy access scenarios to 2030 for the power sector in sub-Saharan Africa. <i>Utilities Policy</i> , 2012 , 20, 1-16	3.3	157
67	Measuring and monitoring energy poverty. <i>Energy Policy</i> , 2011 , 39, 7497-7504	7.2	143
66	Fuel choices in urban Indian households. <i>Environment and Development Economics</i> , 2007 , 12, 757-774	1.8	132
65	Estimating rural populations without access to electricity in developing countries through night-time light satellite imagery. <i>Energy Policy</i> , 2010 , 38, 5661-5670	7.2	131
64	Demographic change and carbon dioxide emissions. <i>Lancet, The</i> , 2012 , 380, 157-64	40	125
63	Global exposure and vulnerability to multi-sector development and climate change hotspots. <i>Environmental Research Letters</i> , 2018 , 13, 055012	6.2	100

62	Pathways to achieve universal household access to modern energy by 2030. <i>Environmental Research Letters</i> , 2013 , 8, 024015	6.2	96
61	Household cooking fuels and technologies in developing economies. <i>Energy Policy</i> , 2011 , 39, 7487-7496	7.2	92
60	Urban and rural energy use and carbon dioxide emissions in Asia. <i>Energy Economics</i> , 2012 , 34, S272-S283	3.3	89
59	Enhancing the relevance of Shared Socioeconomic Pathways for climate change impacts, adaptation and vulnerability research. <i>Climatic Change</i> , 2014 , 122, 481-494	4.5	88
58	Electricity access and rural development: Review of complex socio-economic dynamics and causal diagrams for more appropriate energy modelling. <i>Energy for Sustainable Development</i> , 2018 , 43, 203-223	5.4	84
57	Gender impacts and determinants of energy poverty: are we asking the right questions?. <i>Current Opinion in Environmental Sustainability</i> , 2013 , 5, 205-215	7.2	84
56	Assessing rural energy sustainability in developing countries. <i>Energy for Sustainable Development</i> , 2014 , 19, 15-28	5.4	81
55	Better air for better health: Forging synergies in policies for energy access, climate change and air pollution. <i>Global Environmental Change</i> , 2013 , 23, 1122-1130	10.1	79
54	A review of trends and drivers of greenhouse gas emissions by sector from 1990 to 2018. <i>Environmental Research Letters</i> , 2021 , 16, 073005	6.2	76
53	Analyzing grid extension and stand-alone photovoltaic systems for the cost-effective electrification of Kenya. <i>Energy for Sustainable Development</i> , 2015 , 25, 75-86	5.4	59
52	Energy access and living standards: some observations on recent trends. <i>Environmental Research Letters</i> , 2017 , 12, 025011	6.2	56
51	Policy trade-offs between climate mitigation and clean cook-stove access in South Asia. <i>Nature Energy</i> , 2016 , 1,	62.3	56
50	Environmental Modeling and Methods for Estimation of the Global Health Impacts of Air Pollution. <i>Environmental Modeling and Assessment</i> , 2012 , 17, 613-622	2	51
49	Reaching an international consensus on defining modern energy access. <i>Current Opinion in Environmental Sustainability</i> , 2011 , 3, 235-240	7.2	51
48	Using sales data to assess cooking gas adoption and the impact of India's Ujjwala programme in rural Karnataka. <i>Nature Energy</i> , 2019 , 4, 806-814	62.3	50
47	Improving the SDG energy poverty targets: Residential cooling needs in the Global South. <i>Energy and Buildings</i> , 2019 , 186, 405-415	7	49
46	The role of Decentralized Distributed Generation in achieving universal rural electrification in South Asia by 2030. <i>Energy Policy</i> , 2012 , 47, 345-357	7.2	49
45	Can the Green Economy deliver it all? Experiences of renewable energy policies with socio-economic objectives. <i>Applied Energy</i> , 2016 , 179, 1331-1341	10.7	44

44	Synergies in the Asian energy system: Climate change, energy security, energy access and air pollution. <i>Energy Economics</i> , 2012 , 34, S470-S480	8.3	44
43	What are we measuring? An empirical analysis of household electricity access metrics in rural Bangladesh. <i>Energy for Sustainable Development</i> , 2016 , 30, 21-31	5.4	42
42	Air-pollution emission ranges consistent with the representative concentration pathways. <i>Nature Climate Change</i> , 2014 , 4, 446-450	21.4	41
41	A high-resolution gridded dataset to assess electrification in sub-Saharan Africa. <i>Scientific Data</i> , 2019 , 6, 110	8.2	40
40	Household electricity access a trivial contributor to CO2 emissions growth in India. <i>Nature Climate Change</i> , 2014 , 4, 1073-1076	21.4	38
39	Burns, scalds and poisonings from household energy use in South Africa: Are the energy poor at greater risk?. <i>Energy for Sustainable Development</i> , 2014 , 18, 1-8	5.4	37
38	Sustainable Energy Security for India: An assessment of energy demand sub-system. <i>Applied Energy</i> , 2017 , 186, 126-139	10.7	35
37	Environmental payoffs of LPG cooking in India. <i>Environmental Research Letters</i> , 2017 , 12, 115003	6.2	33
36	A critical review of modern approaches for multidimensional energy poverty measurement. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e304	4.7	28
35	Sustainable energy security for India: An assessment of the energy supply sub-system. <i>Energy Policy</i> , 2017 , 103, 127-144	7.2	23
34	Energy Access for Development1401-1458		23
33	Energy Primer99-150		22
32	The effect of African growth on future global energy, emissions, and regional development. <i>Climatic Change</i> , 2016 , 136, 109-125	4.5	20
31	Satellite Observations Reveal Inequalities in the Progress and Effectiveness of Recent Electrification in Sub-Saharan Africa. <i>One Earth</i> , 2020 , 2, 364-379	8.1	20
30	Energy Pathways for Sustainable Development1205-1306		19
29	Kerosene subsidies for household lighting in India: what are the impacts?. <i>Environmental Research Letters</i> , 2016 , 11, 044014	6.2	19
28	Analyzing cooking fuel and stove choices in China till 2030. <i>Journal of Renewable and Sustainable Energy</i> , 2012 , 4, 031805	2.5	16
27	Synergies and trade-offs between energy-efficient urbanization and health. <i>Environmental Research Letters</i> , 2017 , 12, 114017	6.2	15

26	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. <i>Environmental Health Perspectives</i> , 2020 , 128, 115001	8.4	13
25	China's Green Lights Program: A review and assessment. <i>Energy Policy</i> , 2017 , 110, 31-39	7.2	12
24	Problems with burden-sharing proposal among one billion high emitters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, E122-3; author reply E124	11.5	12
23	Advancing energy poverty measurement for SDG7. <i>Progress in Energy</i> , 2020 , 2, 043001	7.7	11
22	The effect of education on determinants of climate change risks. <i>Nature Sustainability</i> , 2020 , 3, 520-528	22.1	10
21	Outlook for modern cooking energy access in Central America. <i>PLoS ONE</i> , 2018 , 13, e0197974	3.7	9
20	A model of energy poverty and access: Estimating household electricity demand and appliance ownership. <i>Energy Economics</i> , 2021 , 98, 105266	8.3	9
19	Energy security and energy access: distinct and interconnected challenges. <i>Current Opinion in Environmental Sustainability</i> , 2011 , 3, 199-201	7.2	8
18	Synergies between Energy Efficiency and Energy Access Policies and Strategies. <i>Global Policy</i> , 2012 , 3, 187-197	1.8	8
17	A structural model of cooking fuel choices in developing countries. <i>Energy Economics</i> , 2018 , 75, 449-463	8.3	8
16	Demography, Urbanisation and Energy Demand. <i>Environment & Policy</i> , 2012 , 81-94	0.5	7
15	Cost-effective subsidy incentives for room air conditioners in China: An analysis based on a McFadden-type discrete choice model. <i>Energy Policy</i> , 2017 , 110, 375-385	7.2	6
14	Deprivations and Inequities in Cities Viewed Through a Pandemic Lens. <i>Frontiers in Sustainable Cities</i> , 2021 , 3,	2.2	6
13	Call for comments: climate and clean air responses to covid-19. <i>International Journal of Public Health</i> , 2020 , 65, 525-528	4	5
12	Integrating energy access, efficiency and renewable energy policies in sub-Saharan Africa: a model-based analysis. <i>Environmental Research Letters</i> , 2020 , 15, 125010	6.2	5
11	Household contributions to and impacts from air pollution in India. <i>Nature Sustainability</i> ,	22.1	5
10	Global scenarios of household access to modern energy services under climate mitigation policy. <i>Nature Energy</i> , 2021 , 6, 824-833	62.3	5
9	Explaining income inequality trends: An integrated approach. <i>Working Paper Series</i> , 2020 ,	3.6	3

8	Global scenarios of residential heating and cooling energy demand and CO2 emissions. <i>Climatic Change</i> , 2021 , 168, 1	4.5	3
7	Access to clean cooking services in energy and emission scenarios after COVID-19. <i>Nature Energy</i> ,	62.3	3
6	Towards an Integrative Framework for Energy Transitions of Households in Developing Countries. <i>Environment & Policy</i> , 2012 , 73-96	0.5	2
5	The crucial role of complementarity, transparency and adaptability for designing energy policies for sustainable development. <i>Energy Policy</i> , 2021 , 159, 112662	7.2	2
4	Estimating global economic well-being with unlit settlements.. <i>Nature Communications</i> , 2022 , 13, 2459	17.4	2
3	Introduction to Part II: Integrative Frameworks and Participatory Governance for Effective Water-Energy-Food Systems Management 2018 , 91-92		1
2	Clean cooking access may stall under slow post-pandemic recovery and ambitious climate mitigation without explicit focus. <i>Nature Energy</i> , 2021 , 6, 1009-1010	62.3	1
1	Application of an alternative framework for measuring progress towards SDG 7.1. <i>Environmental Research Letters</i> , 2021 , 16, 084048	6.2	1