Pallav Purohit

List of Publications by Year
in descending order

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73 papers	3,570 citations	126901 33 h-index	155644 55 g-index
89 all docs	89 docs citations	89 times ranked	4229 citing authors

#	Article	IF	Citations
1	Global anthropogenic emissions of particulate matter including black carbon. Atmospheric Chemistry and Physics, 2017, 17, 8681-8723.	4.9	496
2	Projections of SO₂, NO_x and carbonaceous aerosols emissions in Asia. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 602.	1.6	186
3	Techno-economic evaluation of concentrating solar power generation in India. Energy Policy, 2010, 38, 3015-3029.	8.8	151
4	Outlook for clean air in the context of sustainable development goals. Global Environmental Change, 2018, 53, 1-11.	7.8	119
5	Evaluating the potential of concentrating solar power generation in Northwestern India. Energy Policy, 2013, 62, 157-175.	8.8	95
6	Small hydro power projects under clean development mechanism in India: A preliminary assessment. Energy Policy, 2008, 36, 2000-2015.	8.8	93
7	Solar drying vs. open sun drying: A framework for financial evaluation. Solar Energy, 2006, 80, 1568-1579.	6.1	90
8	The public health implications of the Paris Agreement: a modelling study. Lancet Planetary Health, The, 2021, 5, e74-e83.	11.4	85
9	Economic potential of biomass gasification projects under clean development mechanism in India. Journal of Cleaner Production, 2009, 17, 181-193.	9.3	83
10	Energetics of coal substitution by briquettes of agricultural residues. Energy, 2006, 31, 1321-1331.	8.8	81
11	Biomass pellets for power generation in India: a techno-economic evaluation. Environmental Science and Pollution Research, 2018, 25, 29614-29632.	5.3	80
12	Technical and economic potential of concentrating solar thermal power generation in India. Renewable and Sustainable Energy Reviews, 2017, 78, 648-667.	16.4	78
13	CDM potential of bagasse cogeneration in India. Energy Policy, 2007, 35, 4779-4798.	8.8	70
14	Reducing global air pollution: the scope for further policy interventions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190331.	3.4	70
15	Renewable energy technologies for irrigation water pumping in India: projected levels of dissemination, energy delivery and investment requirements using available diffusion models. Renewable and Sustainable Energy Reviews, 2005, 9, 592-607.	16.4	65
16	Financial evaluation of renewable energy technologies for irrigation water pumping in India. Energy Policy, 2007, 35, 3134-3144.	8.8	63
17	Managing future air quality in megacities: A case study for Delhi. Atmospheric Environment, 2017, 161, 99-111.	4.1	63
18	Mitigation pathways towards national ambient air quality standards in India. Environment International, 2019, 133, 105147.	10.0	62

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19	Demand projections of petroleum products and natural gas in India. Energy, 2007, 32, 1825-1837.	8.8	61
20	Environmental Modeling and Methods for Estimation of the Global Health Impacts of Air Pollution. Environmental Modeling and Assessment, 2012, 17, 613-622.	2.2	61
21	Global emissions of fluorinated greenhouse gases 2005â€“2050 with abatement potentials and costs. Atmospheric Chemistry and Physics, 2017, 17, 2795-2816.	4.9	60
22	An approach to the estimation of the value of agricultural residues used as biofuels. Biomass and Bioenergy, 2002, 22, 195-203.	5.7	58
23	Impact of current policies on future air quality and health outcomes in Delhi, India. Atmospheric Environment, 2013, 75, 241-248.	4.1	58
24	Integrated assessment of resource-energy-environment nexus in China's iron and steel industry. Journal of Cleaner Production, 2019, 232, 235-249.	9.3	58
25	CDM potential of solar water heating systems in India. Solar Energy, 2008, 82, 799-811.	6.1	54
26	Cost estimates of the Kigali Amendment to phase-down hydrofluorocarbons. Environmental Science and Policy, 2017, 75, 138-147.	4.9	52
27	Using renewable energy technologies for domestic cooking in India: a methodology for potential estimation. Renewable Energy, 2002, 26, 235-246.	8.9	47
28	EU low carbon roadmap 2050: Potentials and costs for mitigation ofÂnon-CO2 greenhouse gas emissions. Energy Strategy Reviews, 2012, 1, 97-108.	7.3	47
29	Sectoral assessment of greenhouse gas emissions in Pakistan. Environmental Science and Pollution Research, 2017, 24, 27345-27355.	5.3	43
30	CDM potential of SPV pumps in India. Renewable and Sustainable Energy Reviews, 2008, 12, 181-199.	16.4	41
31	Renewable energy certificate mechanism in India: A preliminary assessment. Renewable and Sustainable Energy Reviews, 2013, 22, 380-392.	16.4	41
32	The cost-benefit comparisons of China's and India's NDCs based on carbon marginal abatement cost curves. Energy Economics, 2022, 109, 105946.	12.1	41
33	CO2 emissions mitigation potential of solar home systems under clean development mechanism in India. Energy, 2009, 34, 1014-1023.	8.8	38
34	Solar photovoltaic water pumping in India: a financial evaluation. International Journal of Ambient Energy, 2005, 26, 135-146.	2.5	36
35	The Political Economy of Clean Development in India: CDM and Beyond. IDS Bulletin, 2011, 42, 89-96.	0.8	36
36	Sectoral marginal abatement cost curves: implications for mitigation pledges and air pollution co-benefits for Annex I countries. Sustainability Science, 2012, 7, 169-184.	4.9	34

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37	Managing future air quality in megacities: Co-benefit assessment for Delhi. Atmospheric Environment, 2018, 186, 158-177.	4.1	33
38	Techno-economics of biogas-based water pumping in India: An attempt to internalize CO2 emissions mitigation and other economic benefits. Renewable and Sustainable Energy Reviews, 2007, 11, 1208-1226.	16.4	31
39	Performance assessment of grid-interactive solar photovoltaic projects under Indiaâ€™s national solar mission. Applied Energy, 2018, 222, 25-41.	10.1	31
40	Energy Pathways for Sustainable Development. , 0, , 1205-1306.		29
41	Managing future air quality in megacities: Emission inventory and scenario analysis for the Kolkata Metropolitan City, India. Atmospheric Environment, 2020, 222, 117135.	4.1	27
42	Scenario analysis of strategies to control air pollution in Pakistan. Journal of Integrative Environmental Sciences, 2013, 10, 77-91.	2.5	26
43	Kerosene subsidies for household lighting in India: what are the impacts?. Environmental Research Letters, 2016, 11, 044014.	5.2	26
44	Electricity savings and greenhouse gas emission reductions from global phase-down of hydrofluorocarbons. Atmospheric Chemistry and Physics, 2020, 20, 11305-11327.	4.9	26
45	Wind energy in India: Status and future prospects. Journal of Renewable and Sustainable Energy, 2009, 1, .	2.0	24
46	Instrumentation error analysis of a box-type solar cooker. Energy Conversion and Management, 2009, 50, 365-375.	9.2	23
47	The Critical Role of Policy Enforcement in Achieving Health, Air Quality, and Climate Benefits from Indiaâ€™s Clean Electricity Transition. Environmental Science & Technology, 2020, 54, 11720-11731.	10.0	22
48	Lignocellulosic biofuels in India: current perspectives, potential issues and future prospects. AIMS Energy, 2018, 6, 453-486.	1.9	22
49	The Contribution of Non-CO2 Greenhouse Gas Mitigation to Achieving Long-Term Temperature Goals. Energies, 2017, 10, 602.	3.1	21
50	Inter-comparability of solar radiation databases in Indian context. Renewable and Sustainable Energy Reviews, 2015, 50, 735-747.	16.4	20
51	Analysis of baseline and alternative air quality scenarios for Pakistan: an integrated approach. Environmental Science and Pollution Research, 2016, 23, 21780-21793.	5.3	20
52	Achieving Paris climate goals calls for increasing ambition of the Kigali Amendment. Nature Climate Change, 2022, 12, 339-342.	18.8	20
53	Co-benefits of air pollution control and climate change mitigation strategies in Pakistan. Environmental Science and Policy, 2022, 133, 31-43.	4.9	20
54	CDM potential of box type solar cookers in India. International Journal of Ambient Energy, 2007, 28, 27-38.	2.5	19

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55	Solar crop dryer for saving commercial fuels: a techno-economic evaluation. International Journal of Ambient Energy, 2005, 26, 3-12.	2.5	18
56	Potential of wind power projects under the Clean Development Mechanism in India. Carbon Balance and Management, 2007, 2, 8.	3.2	18
57	Renewable energy technologies for domestic cooking in India: estimation of CO2emissions mitigation potential. International Journal of Ambient Energy, 2002, 23, 127-135.	2.5	17
58	Instrumentation error analysis of a paraboloid concentrator type solar cooker. Energy for Sustainable Development, 2009, 13, 255-264.	4.5	16
59	Comparative analysis of greenhouse gas emission inventory for Pakistan: Part I energy and industrial processes and product use. Advances in Climate Change Research, 2020, 11, 40-51.	5.1	16
60	Co-benefits of Energy-Efficient Air Conditioners in the Residential Building Sector of China. Environmental Science & Technology, 2020, 54, 13217-13227.	10.0	14
61	Comparative analysis of greenhouse gas emission inventory for Pakistan: Part II agriculture, forestry and other land use and waste. Advances in Climate Change Research, 2021, 12, 132-144.	5.1	13
62	Trifluoroacetic acid deposition from emissions of HFO-1234yf in India, China, and the Middle East. Atmospheric Chemistry and Physics, 2021, 21, 14833-14849.	4.9	12
63	Techno-economic evaluation of water pumping windmills in India. International Journal of Global Energy Issues, 2004, 21, 236.	0.4	11
64	CDM potential of SPV lighting systems in India. Mitigation and Adaptation Strategies for Global Change, 2007, 13, 23-46.	2.1	11
65	Mapping Bioenergy Supply and Demand in Selected Least Developed Countries (LDCs): Exploratory Assessment of Modern Bioenergyâ€™s Contribution to SDG7. Sustainability, 2019, 11, 7091.	3.2	10
66	Incorporating political-feasibility concerns into the assessment of India's clean-air policies. One Earth, 2021, 4, 1163-1174.	6.8	10
67	Meeting Future Energy Needs in the Hindu Kush Himalaya. , 2019, , 167-207.		9
68	CDM potential of windmill pumps in India. International Journal of Energy Sector Management, 2007, 1, 141-159.	2.3	7
69	Long-term carbon dioxide and hydrofluorocarbon emissions from commercial space cooling and refrigeration in India: a detailed analysis within an integrated assessment modelling framework. Climatic Change, 2017, 143, 503-517.	3.6	7
70	Effect of instrumentation error on the first and second figures of merit (F₁and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	2.5	4
71	Small and bad. Nature Sustainability, 2018, 1, 17-18.	23.7	3
72	Special Issue on Assessing the Modern Bioenergy Potential and Strategies for Sustainable Development: Transformations through Nexus, Policy, and Innovations. Sustainability, 2021, 13, 374.	3.2	3

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73	Solar Thermal Power Generation. , 2019, , .		1