

Pallav Purohit

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.

74
papers

2,493
citations

31
h-index

48
g-index

89
ext. papers

2,993
ext. citations

7.1
avg, IF

5.54
L-index

#	Paper	IF	Citations
74	Global anthropogenic emissions of particulate matter including black carbon. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 8681-8723	6.8	308
73	Projections of SO ₂ , NO _x and carbonaceous aerosols emissions in Asia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009 , 61, 602-617	3.3	168
72	Techno-economic evaluation of concentrating solar power generation in India. <i>Energy Policy</i> , 2010 , 38, 3015-3029	7.2	123
71	Evaluating the potential of concentrating solar power generation in Northwestern India. <i>Energy Policy</i> , 2013 , 62, 157-175	7.2	79
70	Small hydro power projects under clean development mechanism in India: A preliminary assessment. <i>Energy Policy</i> , 2008 , 36, 2000-2015	7.2	78
69	Economic potential of biomass gasification projects under clean development mechanism in India. <i>Journal of Cleaner Production</i> , 2009 , 17, 181-193	10.3	68
68	CDM potential of bagasse cogeneration in India. <i>Energy Policy</i> , 2007 , 35, 4779-4798	7.2	66
67	Energetics of coal substitution by briquettes of agricultural residues. <i>Energy</i> , 2006 , 31, 1321-1331	7.9	65
66	Outlook for clean air in the context of sustainable development goals. <i>Global Environmental Change</i> , 2018 , 53, 1-11	10.1	62
65	Solar drying vs. open sun drying: A framework for financial evaluation. <i>Solar Energy</i> , 2006 , 80, 1568-15796.8		59
64	Technical and economic potential of concentrating solar thermal power generation in India. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 78, 648-667	16.2	58
63	Renewable energy technologies for irrigation water pumping in India: projected levels of dissemination, energy delivery and investment requirements using available diffusion models. <i>Renewable and Sustainable Energy Reviews</i> , 2005 , 9, 592-607	16.2	56
62	Financial evaluation of renewable energy technologies for irrigation water pumping in India. <i>Energy Policy</i> , 2007 , 35, 3134-3144	7.2	52
61	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
60	Managing future air quality in megacities: A case study for Delhi. <i>Atmospheric Environment</i> , 2017 , 161, 99-111	5.3	49
59	An approach to the estimation of the value of agricultural residues used as biofuels. <i>Biomass and Bioenergy</i> , 2002 , 22, 195-203	5.3	48
58	Demand projections of petroleum products and natural gas in India. <i>Energy</i> , 2007 , 32, 1825-1837	7.9	47

57	CDM potential of solar water heating systems in India. <i>Solar Energy</i> , 2008 , 82, 799-811	6.8	47
56	Impact of current policies on future air quality and health outcomes in Delhi, India. <i>Atmospheric Environment</i> , 2013 , 75, 241-248	5.3	46
55	Using renewable energy technologies for domestic cooking in India: a methodology for potential estimation. <i>Renewable Energy</i> , 2002 , 26, 235-246	8.1	43
54	Biomass pellets for power generation in India: a techno-economic evaluation. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 29614-29632	5.1	41
53	Global emissions of fluorinated greenhouse gases 2005-2050 with abatement potentials and costs. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2795-2816	6.8	37
52	Renewable energy certificate mechanism in India: A preliminary assessment. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 22, 380-392	16.2	36
51	EU low carbon roadmap 2050: Potentials and costs for mitigation of non-CO2 greenhouse gas emissions. <i>Energy Strategy Reviews</i> , 2012 , 1, 97-108	9.8	35
50	CDM potential of SPV pumps in India. <i>Renewable and Sustainable Energy Reviews</i> , 2008 , 12, 181-199	16.2	35
49	Integrated assessment of resource-energy-environment nexus in China's iron and steel industry. <i>Journal of Cleaner Production</i> , 2019 , 232, 235-249	10.3	34
48	The Political Economy of Clean Development in India: CDM and Beyond. <i>IDS Bulletin</i> , 2011 , 42, 89-96	1.2	34
47	Reducing global air pollution: the scope for further policy interventions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190331	3	34
46	Sectoral assessment of greenhouse gas emissions in Pakistan. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27345-27355	5.1	33
45	Mitigation pathways towards national ambient air quality standards in India. <i>Environment International</i> , 2019 , 133, 105147	12.9	32
44	CO2 emissions mitigation potential of solar home systems under clean development mechanism in India. <i>Energy</i> , 2009 , 34, 1014-1023	7.9	31
43	Solar photovoltaic water pumping in India: a financial evaluation. <i>International Journal of Ambient Energy</i> , 2005 , 26, 135-146	2	30
42	Cost estimates of the Kigali Amendment to phase-down hydrofluorocarbons. <i>Environmental Science and Policy</i> , 2017 , 75, 138-147	6.2	29
41	Sectoral marginal abatement cost curves: implications for mitigation pledges and air pollution co-benefits for Annex I countries. <i>Sustainability Science</i> , 2012 , 7, 169-184	6.4	29
40	Global anthropogenic emissions of particulate matter including black carbon 2016 ,		29

39	Techno-economics of biogas-based water pumping in India: An attempt to internalize CO ₂ emissions mitigation and other economic benefits. <i>Renewable and Sustainable Energy Reviews</i> , 2007 , 11, 1208-1226	16.2	28
38	The public health implications of the Paris Agreement: a modelling study. <i>Lancet Planetary Health, The</i> , 2021 , 5, e74-e83	9.8	26
37	Performance assessment of grid-interactive solar photovoltaic projects under India's national solar mission. <i>Applied Energy</i> , 2018 , 222, 25-41	10.7	22
36	Scenario analysis of strategies to control air pollution in Pakistan. <i>Journal of Integrative Environmental Sciences</i> , 2013 , 10, 77-91	3	22
35	Energy Pathways for Sustainable Development 1205-1306		19
34	Kerosene subsidies for household lighting in India: what are the impacts?. <i>Environmental Research Letters</i> , 2016 , 11, 044014	6.2	19
33	Managing future air quality in megacities: Co-benefit assessment for Delhi. <i>Atmospheric Environment</i> , 2018 , 186, 158-177	5.3	19
32	Instrumentation error analysis of a box-type solar cooker. <i>Energy Conversion and Management</i> , 2009 , 50, 365-375	10.6	18
31	CDM potential of box type solar cookers in India. <i>International Journal of Ambient Energy</i> , 2007 , 28, 27-38		18
30	Analysis of baseline and alternative air quality scenarios for Pakistan: an integrated approach. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21780-21793	5.1	17
29	Inter-comparability of solar radiation databases in Indian context. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 735-747	16.2	16
28	The Contribution of Non-CO ₂ Greenhouse Gas Mitigation to Achieving Long-Term Temperature Goals. <i>Energies</i> , 2017 , 10, 602	3.1	16
27	Wind energy in India: Status and future prospects. <i>Journal of Renewable and Sustainable Energy</i> , 2009 , 1, 042701	2.5	15
26	Managing future air quality in megacities: Emission inventory and scenario analysis for the Kolkata Metropolitan City, India. <i>Atmospheric Environment</i> , 2020 , 222, 117135	5.3	15
25	Solar crop dryer for saving commercial fuels: a techno-economic evaluation. <i>International Journal of Ambient Energy</i> , 2005 , 26, 3-12	2	14
24	Instrumentation error analysis of a paraboloid concentrator type solar cooker. <i>Energy for Sustainable Development</i> , 2009 , 13, 255-264	5.4	13
23	Potential of wind power projects under the Clean Development Mechanism in India. <i>Carbon Balance and Management</i> , 2007 , 2, 8	3.6	13
22	Renewable energy technologies for domestic cooking in India: estimation of CO ₂ emissions mitigation potential. <i>International Journal of Ambient Energy</i> , 2002 , 23, 127-135	2	13

21	Lignocellulosic biofuels in India: current perspectives, potential issues and future prospects. <i>AIMS Energy</i> , 2018 , 6, 453-486	1.8	11
20	Comparative analysis of greenhouse gas emission inventory for Pakistan: Part I energy and industrial processes and product use. <i>Advances in Climate Change Research</i> , 2020 , 11, 40-51	4.1	10
19	CDM potential of SPV lighting systems in India. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2007 , 13, 23-46	3.9	10
18	Electricity savings and greenhouse gas emission reductions from global phase-down of hydrofluorocarbons. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11305-11327	6.8	10
17	Techno-economic evaluation of water pumping windmills in India. <i>International Journal of Global Energy Issues</i> , 2004 , 21, 236	0.3	9
16	The Critical Role of Policy Enforcement in Achieving Health, Air Quality, and Climate Benefits from India's Clean Electricity Transition. <i>Environmental Science & Technology</i> , 2020 , 54, 11720-11731	10.3	7
15	CDM potential of windmill pumps in India. <i>International Journal of Energy Sector Management</i> , 2007 , 1, 141-159	2.5	6
14	Meeting Future Energy Needs in the Hindu Kush Himalaya 2019 , 167-207		4
13	Mapping Bioenergy Supply and Demand in Selected Least Developed Countries (LDCs): Exploratory Assessment of Modern Bioenergy's Contribution to SDG7. <i>Sustainability</i> , 2019 , 11, 7091	3.6	4
12	Long-term carbon dioxide and hydrofluorocarbon emissions from commercial space cooling and refrigeration in India: a detailed analysis within an integrated assessment modelling framework. <i>Climatic Change</i> , 2017 , 143, 503-517	4.5	3
11	Effect of instrumentation error on the first and second figures of merit (F1 and F2) of a box-type solar cooker. <i>International Journal of Ambient Energy</i> , 2008 , 29, 83-92	2	3
10	Co-benefits of Energy-Efficient Air Conditioners in the Residential Building Sector of China. <i>Environmental Science & Technology</i> , 2020 , 54, 13217-13227	10.3	3
9	Comparative analysis of greenhouse gas emission inventory for Pakistan: Part II agriculture, forestry and other land use and waste. <i>Advances in Climate Change Research</i> , 2021 , 12, 132-144	4.1	3
8	Incorporating political-feasibility concerns into the assessment of India's clean-air policies. <i>One Earth</i> , 2021 , 4, 1163-1174	8.1	3
7	The cost-benefit comparisons of China's and India's NDCs based on carbon marginal abatement cost curves. <i>Energy Economics</i> , 2022 , 109, 105946	8.3	3
6	Global emissions of fluorinated greenhouse gases 2005-2050 with abatement potentials and costs 2016 ,		1
5	Trifluoroacetic acid deposition from emissions of HFO-1234yf in India, China, and the Middle East. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 14833-14849	6.8	0
4	Achieving Paris climate goals calls for increasing ambition of the Kigali Amendment. <i>Nature Climate Change</i> , 2022 , 12, 339-342	21.4	0

- 3 Co-benefits of air pollution control and climate change mitigation strategies in Pakistan.
Environmental Science and Policy, **2022**, 133, 31-43 6.2 o
- 2 Solar Thermal Power Generation **2019**,
- 1 Techno-Economic Evaluation of Renewable Energy Systems for Irrigation Water Pumping in India
2008, 2910-2916