Shobhakar Dhakal

List of Publications by Year
in descending order

58	3,819	147726	168321
papers	citations	31 h-index	53 g-index

59	59	59	4030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy and CO₂ emission reduction potential from investment in energy efficiency building retrofits in Bangkok, Thailand. International Journal of Sustainable Energy, 2022, 41, 164-183.	1.3	1
2	Cross-border electricity trade for Nepal: a SWOT-AHP analysis of barriers and opportunities based on stakeholdersâ€™ perception. International Journal of Water Resources Development, 2021, 37, 559-580.	1.2	11
3	Energy Efficiency Retrofits in Commercial Buildings: An Environmental, Financial, and Technical Analysis of Case Studies in Thailand. Energies, 2021, 14, 2571.	1.6	2
4	Future urban expansion and local climate zone changes in relation to land surface temperature: Case of Bangkok Metropolitan Administration, Thailand. Urban Climate, 2021, 37, 100835.	2.4	28
5	Carbon analytics for net-zero emissions sustainable cities. Nature Sustainability, 2021, 4, 460-463.	11.5	50
6	The COVIDâ€19 Pandemic Not Only Poses Challenges, but Also Opens Opportunities for Sustainable Transformation. Earth's Future, 2021, 9, e2021EF001996.	2.4	42
7	Impact of Subsidy and Taxation Related to Biofuels Policies on the Economy of Thailand: A Dynamic CGE Modelling Approach. Waste and Biomass Valorization, 2020, 11, 909-929.	1.8	10
8	Changes in per capita CO2 emissions of six large Japanese cities between 1980 and 2000: An analysis using â€œThe Four System Boundariesâ€•approach. Sustainable Cities and Society, 2020, 52, 101784.	5.1	14
9	An assessment of opportunities and challenges for cross-border electricity trade for Bangladesh using SWOT-AHP approach. Energy Policy, 2020, 137, 111118.	4.2	42
10	Time series analysis of land use and land cover changes related to urban heat island intensity: Case of Bangkok Metropolitan Area in Thailand. Journal of Urban Management, 2020, 9, 383-395.	2.3	44
11	Physical and non-physical factors driving urban heat island: Case of Bangkok Metropolitan Administration, Thailand. Journal of Environmental Management, 2019, 248, 109285.	3.8	56
12	A global dataset of CO2 emissions and ancillary data related to emissions for 343 cities. Scientific Data, 2019, 6, 180280.	2.4	65
13	Upscaling urban data science for global climate solutions. Global Sustainability, 2019, 2, .	1.6	73
14	An assessment of potential synergies and trade-offs between climate mitigation and adaptation policies of Nepal. Journal of Environmental Management, 2019, 235, 535-545.	3.8	37
15	Analytical framework to evaluate the level of integration of climate adaptation and mitigation in cities. Climatic Change, 2019, 154, 87-106.	1.7	73
16	Benchmarking carbon emissions efficiency in Chinese cities: A comparative study based on high-resolution gridded data. Applied Energy, 2019, 242, 994-1009.	5.1	60
17	Factors influencing energy requirements and CO2 emissions of households in Thailand: A panel data analysis. Energy Policy, 2019, 129, 521-531.	4.2	42
18	Meeting Future Energy Needs in the Hindu Kush Himalaya. , 2019, , 167-207.		9

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19	Locking in positive climate responses in cities. Nature Climate Change, 2018, 8, 174-177.	8.1	170
20	City transformations in a 1.5 Â°C warmer world. Nature Climate Change, 2018, 8, 177-181.	8.1	114
21	Source data supported high resolution carbon emissions inventory for urban areas of the Beijing-Tianjin-Hebei region: Spatial patterns, decomposition and policy implications. Journal of Environmental Management, 2018, 206, 786-799.	3.8	46
22	Six research priorities for cities and climate change. Nature, 2018, 555, 23-25.	13.7	446
23	CO 2 emission data for Chinese cities. Resources, Conservation and Recycling, 2017, 126, 198-208.	5.3	60
24	Household energy requirements in two medium-sized Thai cities with different population densities. Environment and Urbanization, 2017, 29, 267-282.	1.5	2
25	Supply and demand of biofuels in the fuel market of Thailand: Two stage least square and three least square approaches. Energy, 2016, 114, 431-443.	4.5	10
26	Urban infrastructure choices structure climate solutions. Nature Climate Change, 2016, 6, 1054-1056.	8.1	144
27	Stakeholders' perceptions on challenges and opportunities for biodiesel and bioethanol policy development in Thailand. Energy Policy, 2016, 91, 189-206.	4.2	51
28	Liquid Biofuels Development in Southeast Asian Countries: An Analysis of Market, Policies and Challenges. Waste and Biomass Valorization, 2016, 7, 157-173.	1.8	20
29	Waterâ€“energyâ€“carbon nexus: a case study of Bangkok. Water Science and Technology: Water Supply, 2015, 15, 889-897.	1.0	5
30	Evaluation of groundwater-based irrigation systems using a waterâ€“energyâ€“food nexus approach: a case study from Southeast Nepal. Journal of Applied Water Engineering and Research, 2015, 3, 53-66.	1.0	17
31	Energy and economic impacts of the global climate change policy onÂSoutheast Asian countries: A general equilibrium analysis. Energy, 2015, 81, 446-461.	4.5	30
32	Managing catastrophic risks in agriculture: Simultaneous adoption of diversification and precautionary savings. International Journal of Disaster Risk Reduction, 2015, 12, 268-277.	1.8	85
33	An international look at the water-energy nexus. Journal - American Water Works Association, 2012, 104, 93-96.	0.2	7
34	Planetary Stewardship in an Urbanizing World: Beyond City Limits. Ambio, 2012, 41, 787-794.	2.8	189
35	Relationship between urban form and CO2 emissions: Evidence from fifty Japanese cities. Urban Climate, 2012, 2, 55-67.	2.4	193
36	Sustainable Urban Systems. Journal of Industrial Ecology, 2012, 16, 775-779.	2.8	40

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37	Responding to complex societal challenges: A decade of Earth System Science Partnership (ESSP) interdisciplinary research. Current Opinion in Environmental Sustainability, 2012, 4, 147-158.	3.1	39
38	Impacts of urbanization on national transport and road energy use: Evidence from low, middle and high income countries. Energy Policy, 2012, 46, 268-277.	4.2	167
39	Low-carbon policies in the USA and China: why cities play a critical role. Carbon Management, 2011, 2, 359-362.	1.2	5
40	Energy demand and carbon emissions under different development scenarios for Shanghai, China. Energy Policy, 2010, 38, 4797-4807.	4.2	100
41	Bridging the research gaps for carbon emissions and their management in cities. Energy Policy, 2010, 38, 4753-4755.	4.2	37
42	Potential and bottlenecks of the carbon market: The case of a developing country, Nepal. Energy Policy, 2010, 38, 3781-3789.	4.2	16
43	GHG emissions from urbanization and opportunities for urban carbon mitigation. Current Opinion in Environmental Sustainability, 2010, 2, 277-283.	3.1	209
44	An International Carbon Office to assist policy-based science. Current Opinion in Environmental Sustainability, 2010, 2, 297-300.	3.1	11
45	Interactions of the carbon cycle, human activity, and the climate system: a research portfolio. Current Opinion in Environmental Sustainability, 2010, 2, 301-311.	3.1	62
46	Welcome toCarbon Management. Carbon Management, 2010, 1, 1-3.	1.2	2
47	Urban energy use and carbon emissions from cities in China and policy implications. Energy Policy, 2009, 37, 4208-4219.	4.2	685
48	Revealing Intra-Urban Features using Optical and SAR Images. , 2008, , .		0
49	Climate Change and Cities: The Making of a Climate Friendly Future. , 2008, , 173-192.		13
50	Challenges of Urban and Regional Carbon Management and the Scientific Response. Local Environment, 2007, 12, 549-555.	1.1	12
51	Heat discharges from an office building in Tokyo using DOE-2. Energy Conversion and Management, 2004, 45, 1107-1118.	4.4	14
52	Estimation of heat discharges by residential buildings in Tokyo. Energy Conversion and Management, 2003, 44, 1487-1499.	4.4	12
53	Implications of transportation policies on energy and environment in Kathmandu Valley, Nepal. Energy Policy, 2003, 31, 1493-1507.	4.2	60
54	Policy-based Indicator Systems: emerging debates and lessons. Local Environment, 2003, 8, 113-119.	1.1	23

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55	An analysis on driving factors for CO2 emissions from energy use in Tokyo and Seoul by factor decomposition method.. Environmental Systems Research, 2002, 30, 295-303.	0.1	12
56	Improvement of urban thermal environment by managing heat discharge sources and surface modification in Tokyo. Energy and Buildings, 2002, 34, 13-23.	3.1	44
57	Climate change and urban energy systems. , 0, , 85-112.		6
58	Energy Transformation in Cities. , 0, , 443-490.		2