

Chris P Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,158
citations

279798

23
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2081
citing authors

#	ARTICLE	IF	CITATIONS
1	China's CO ₂ peak before 2030 implied from characteristics and growth of cities. <i>Nature Sustainability</i> , 2019, 2, 748-754.	23.7	210
2	Challenges faced by China compared with the US in developing wind power. <i>Nature Energy</i> , 2016, 1, .	39.5	153
3	Prospective contributions of biomass pyrolysis to China's 2050 carbon reduction and renewable energy goals. <i>Nature Communications</i> , 2021, 12, 1698.	12.8	146
4	Long-term trend and spatial pattern of PM _{2.5} induced premature mortality in China. <i>Environment International</i> , 2016, 97, 180-186.	10.0	133
5	Trade-driven relocation of air pollution and health impacts in China. <i>Nature Communications</i> , 2017, 8, 738.	12.8	129
6	Power System Capacity Expansion Under Higher Penetration of Renewables Considering Flexibility Constraints and Low Carbon Policies. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 6240-6253.	6.5	127
7	The impact of power generation emissions on ambient PM _{2.5} pollution and human health in China and India. <i>Environment International</i> , 2018, 121, 250-259.	10.0	111
8	Cost increase in the electricity supply to achieve carbon neutrality in China. <i>Nature Communications</i> , 2022, 13, .	12.8	111
9	Benefits of China's efforts in gaseous pollutant control indicated by the bottom-up emissions and satellite observations 2000-2014. <i>Atmospheric Environment</i> , 2016, 136, 43-53.	4.1	109
10	Impacts of fleet types and charging modes for electric vehicles on emissions under different penetrations of wind power. <i>Nature Energy</i> , 2018, 3, 413-421.	39.5	102
11	Air quality and health co-benefits of China's carbon dioxide emissions peaking before 2030. <i>Nature Communications</i> , 2022, 13, 1008.	12.8	95
12	Source apportionment of atmospheric mercury pollution in China using the GEOS-Chem model. <i>Environmental Pollution</i> , 2014, 190, 166-175.	7.5	78
13	Gasification of coal and biomass as a net carbon-negative power source for environment-friendly electricity generation in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8206-8213.	7.1	78
14	Combined solar power and storage as cost-competitive and grid-compatible supply for China's future carbon-neutral electricity system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	70
15	The Potential of Photovoltaics to Power the Belt and Road Initiative. <i>Joule</i> , 2019, 3, 1895-1912.	24.0	66
16	Health benefits of on-road transportation pollution control programs in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25370-25377.	7.1	57
17	Co-benefits of carbon and pollution control policies on air quality and health till 2030 in China. <i>Environment International</i> , 2021, 152, 106482.	10.0	53
18	Benefits of current and future policies on emissions of China's coal-fired power sector indicated by continuous emission monitoring. <i>Environmental Pollution</i> , 2019, 251, 415-424.	7.5	49

#	ARTICLE	IF	CITATIONS
19	Production of hydrogen from offshore wind in China and cost-competitive supply to Japan. <i>Nature Communications</i> , 2021, 12, 6953.	12.8	47
20	Economic and Climate Benefits of Electric Vehicles in China, the United States, and Germany. <i>Environmental Science & Technology</i> , 2019, 53, 11013-11022.	10.0	38
21	Linking Agricultural GHG Emissions to Global Trade Network. <i>Earth's Future</i> , 2020, 8, e2019EF001361.	6.3	31
22	A Reinforcement Learning-Based Decision System for Electricity Pricing Plan Selection by Smart Grid End Users. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 2176-2187.	9.0	30
23	Decline in bulk deposition of air pollutants in China lags behind reductions in emissions. <i>Nature Geoscience</i> , 2022, 15, 190-195.	12.9	27
24	Valuing mortality risk in China: Comparing stated-preference estimates from 2005 and 2016. <i>Journal of Risk and Uncertainty</i> , 2019, 58, 167-186.	1.5	24
25	Built environment, income and travel behavior: Change in the city of Chengdu, China 2005â€“2016. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 749-760.	4.1	22
26	Residential building materials: An important source of ambient formaldehyde in mainland China. <i>Environment International</i> , 2022, 158, 106909.	10.0	17
27	Improved air quality in China can enhance solar-power performance and accelerate carbon-neutrality targets. <i>One Earth</i> , 2022, 5, 550-562.	6.8	17
28	Opportunities for household energy on the Qinghai-Tibet Plateau in line with United Nationsâ€™ Sustainable Development Goals. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110982.	16.4	14
29	Year round measurements of O3 and CO at a rural site near Beijing: variations in their correlations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2010, 62, 228-241.	1.6	11
30	Impacts of large-scale deployment of mountainous wind farms on wintertime regional air quality in the Beijing-Tian-Hebei area. <i>Atmospheric Environment</i> , 2022, 278, 119074.	4.1	3