

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	Residential building materials: An important source of ambient formaldehyde in mainland China. Environment International, 2022, 158, 106909.	10.0	17
2	Air quality and health co-benefits of China's carbon dioxide emissions peaking before 2030. Nature Communications, 2022, 13, 1008.	12.8	95
3	Decline in bulk deposition of air pollutants in China lags behind reductions in emissions. Nature Geoscience, 2022, 15, 190-195.	12.9	27
4	Impacts of large-scale deployment of mountainous wind farms on wintertime regional air quality in the Beijing-Tian-Hebei area. Atmospheric Environment, 2022, 278, 119074.	4.1	3
5	Improved air quality in China can enhance solar-power performance and accelerate carbon-neutrality targets. One Earth, 2022, 5, 550-562.	6.8	17
6	Cost increase in the electricity supply to achieve carbon neutrality in China. Nature Communications, 2022, 13, .	12.8	111
7	A Reinforcement Learning-Based Decision System for Electricity Pricing Plan Selection by Smart Grid End Users. IEEE Transactions on Smart Grid, 2021, 12, 2176-2187.	9.0	30
8	Prospective contributions of biomass pyrolysis to China's 2050 carbon reduction and renewable energy goals. Nature Communications, 2021, 12, 1698.	12.8	146
9	Co-benefits of carbon and pollution control policies on air quality and health till 2030 in China. Environment International, 2021, 152, 106482.	10.0	53
10	Opportunities for household energy on the Qinghai-Tibet Plateau in line with United Nations's Sustainable Development Goals. Renewable and Sustainable Energy Reviews, 2021, 144, 110982.	16.4	14
11	Combined solar power and storage as cost-competitive and grid-compatible supply for China's future carbon-neutral electricity system. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	70
12	Production of hydrogen from offshore wind in China and cost-competitive supply to Japan. Nature Communications, 2021, 12, 6953.	12.8	47
13	Built environment, income and travel behavior: Change in the city of Chengdu, China 2005-2016. International Journal of Sustainable Transportation, 2020, 14, 749-760.	4.1	22
14	Health benefits of on-road transportation pollution control programs in China. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25370-25377.	7.1	57
15	Linking Agricultural GHG Emissions to Global Trade Network. Earth's Future, 2020, 8, e2019EF001361.	6.3	31
16	Economic and Climate Benefits of Electric Vehicles in China, the United States, and Germany. Environmental Science & Technology, 2019, 53, 11013-11022.	10.0	38
17	China's CO2 peak before 2030 implied from characteristics and growth of cities. Nature Sustainability, 2019, 2, 748-754.	23.7	210
18	The Potential of Photovoltaics to Power the Belt and Road Initiative. Joule, 2019, 3, 1895-1912.	24.0	66

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	The impact of power generation emissions on ambient PM2.5 pollution and human health in China and India. <i>Environment International</i> , 2018, 121, 250-259.	10.0	111
25	Trade-driven relocation of air pollution and health impacts in China. <i>Nature Communications</i> , 2017, 8, 738.	12.8	129
26	Benefits of China's efforts in gaseous pollutant control indicated by the bottom-up emissions and satellite observations 2000â€”2014. <i>Atmospheric Environment</i> , 2016, 136, 43-53.	4.1	109
27	Long-term trend and spatial pattern of PM2.5 induced premature mortality in China. <i>Environment International</i> , 2016, 97, 180-186.	10.0	133
28	Challenges faced by China compared with the US in developing wind power. <i>Nature Energy</i> , 2016, 1, .	39.5	153
29	Source apportionment of atmospheric mercury pollution in China using the GEOS-Chem model. <i>Environmental Pollution</i> , 2014, 190, 166-175.	7.5	78
30	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