

Decheng Zhou

List of Publications by Year in descending order

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43
papers

3,623
citations

201674

27
h-index

254184

43
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all docs

47
docs citations

47
times ranked

3275
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated assessment on the warming effects of urbanization and agriculture in highly developed urban agglomerations of China. <i>Science of the Total Environment</i> , 2022, 804, 150119.	8.0	17
2	Combining GOES-R and ECOSTRESS land surface temperature data to investigate diurnal variations of surface urban heat island. <i>Science of the Total Environment</i> , 2022, 823, 153652.	8.0	19
3	Evolution of light use efficiency models: Improvement, uncertainties, and implications. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108905.	4.8	62
4	Urbanization Contributes Little to Global Warming but Substantially Intensifies Local and Regional Land Surface Warming. <i>Earth's Future</i> , 2022, 10, .	6.3	30
5	Exploring diurnal cycles of surface urban heat island intensity in Boston with land surface temperature data derived from GOES-R geostationary satellites. <i>Science of the Total Environment</i> , 2021, 763, 144224.	8.0	36
6	Croplands intensify regional and global warming according to satellite observations. <i>Remote Sensing of Environment</i> , 2021, 264, 112585.	11.0	36
7	Critical land change information enhances the understanding of carbon balance in the United States. <i>Global Change Biology</i> , 2020, 26, 3920-3929.	9.5	24
8	Contrasting the Performance of Eight Satellite-Based GPP Models in Water-Limited and Temperature-Limited Grassland Ecosystems. <i>Remote Sensing</i> , 2019, 11, 1333.	4.0	25
9	Potential impacts of climate change on vegetation dynamics and ecosystem function in a mountain watershed on the Qinghai-Tibet Plateau. <i>Climatic Change</i> , 2019, 156, 31-50.	3.6	24
10	Identifying a transition climate zone in an arid river basin using the evaporative stress index. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 2281-2294.	3.6	10
11	Satellite Remote Sensing of Surface Urban Heat Islands: Progress, Challenges, and Perspectives. <i>Remote Sensing</i> , 2019, 11, 48.	4.0	464
12	Remote sensing of the urban heat island effect in a highly populated urban agglomeration area in East China. <i>Science of the Total Environment</i> , 2018, 628-629, 415-429.	8.0	158
13	Administrative-Hierarchical Urban Land Expansion in China: Urban Agglomeration in the Yangtze River Delta. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2018, 144, 05018018.	1.7	12
14	Quantifying the effects of overgrazing on mountainous watershed vegetation dynamics under a changing climate. <i>Science of the Total Environment</i> , 2018, 639, 1408-1420.	8.0	53
15	An Improved Water Budget for the El Yunque National Forest, Puerto Rico, as Determined by the Water Supply Stress Index Model. <i>Forest Science</i> , 2018, 64, 268-279.	1.0	8
16	Combined effects of climate and land management on watershed vegetation dynamics in an arid environment. <i>Science of the Total Environment</i> , 2017, 589, 73-88.	8.0	31
17	Ecological Protection and Restoration Program Reduced Grazing Pressure in the Three-River Headwaters Region, China. <i>Rangeland Ecology and Management</i> , 2017, 70, 540-548.	2.3	46
18	Future shift of the relative roles of precipitation and temperature in controlling annual runoff in the conterminous United States. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5517-5529.	4.9	18

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19	Detection of the Coupling between Vegetation Leaf Area and Climate in a Multifunctional Watershed, Northwestern China. <i>Remote Sensing</i> , 2016, 8, 1032.	4.0	11
20	Estimating carbon sequestration in the piedmont ecoregion of the United States from 1971 to 2010. <i>Carbon Balance and Management</i> , 2016, 11, 10.	3.2	10
21	Climateâ€™vegetation control on the diurnal and seasonal variations of surface urban heat islands in China. <i>Environmental Research Letters</i> , 2016, 11, 074009.	5.2	120
22	Prevalent vegetation growth enhancement in urban environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6313-6318.	7.1	229
23	Contrasting effects of urbanization and agriculture on surface temperature in eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9597-9606.	3.3	49
24	Spatiotemporal trends of urban heat island effect along the urban development intensity gradient in China. <i>Science of the Total Environment</i> , 2016, 544, 617-626.	8.0	147
25	Remotely sensed assessment of urbanization effects on vegetation phenology in China's 32 major cities. <i>Remote Sensing of Environment</i> , 2016, 176, 272-281.	11.0	197
26	Data concurrency is required for estimating urban heat island intensity. <i>Environmental Pollution</i> , 2016, 208, 118-124.	7.5	37
27	The footprint of urban heat island effect in China. <i>Scientific Reports</i> , 2015, 5, 11160.	3.3	248
28	Spatial and Temporal Dimensions of Urban Expansion in China. <i>Environmental Science & Technology</i> , 2015, 49, 9600-9609.	10.0	87
29	Comparison of four light use efficiency models for estimating terrestrial gross primary production. <i>Ecological Modelling</i> , 2015, 300, 30-39.	2.5	73
30	Rates and patterns of urban expansion in Chinaâ€™s 32 major cities over the past three decades. <i>Landscape Ecology</i> , 2015, 30, 1541-1559.	4.2	121
31	Spatiotemporal trends of terrestrial vegetation activity along the urban development intensity gradient in China's 32 major cities. <i>Science of the Total Environment</i> , 2014, 488-489, 136-145.	8.0	95
32	Surface urban heat island in China's 32 major cities: Spatial patterns and drivers. <i>Remote Sensing of Environment</i> , 2014, 152, 51-61.	11.0	569
33	Modeling the effects of the Sloping Land Conversion Program on terrestrial ecosystem carbon dynamics in the Loess Plateau: A case study with Ansai County, Shaanxi province, China. <i>Ecological Modelling</i> , 2014, 288, 47-54.	2.5	15
34	A meta-analysis of the canopy light extinction coefficient in terrestrial ecosystems. <i>Frontiers of Earth Science</i> , 2014, 8, 599-609.	2.1	96
35	Forest cutting and impacts on carbon in the eastern United States. <i>Scientific Reports</i> , 2013, 3, 3547.	3.3	18
36	A meta-analysis on the impacts of partial cutting on forest structure and carbon storage. <i>Biogeosciences</i> , 2013, 10, 3691-3703.	3.3	79

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37	Organic Carbon Storage in China's Urban Areas. PLoS ONE, 2013, 8, e71975.	2.5	36
38	The Grain for Green Project induced land cover change in the Loess Plateau: A case study with Ansai County, Shanxi Province, China. Ecological Indicators, 2012, 23, 88-94.	6.3	180
39	Moderate grazing can promote aboveground primary production of grassland under water stress. Ecological Complexity, 2012, 11, 126-136.	2.9	72
40	Impacts of grazing and climate change on the aboveground net primary productivity of mountainous grassland ecosystems along altitudinal gradients over the Northern Tianshan Mountains, China. Acta Ecologica Sinica, 2012, 32, 81-92.	0.1	4
41	Effects of land use change on landscape pattern of the Manas River watershed in Xinjiang, China. Environmental Earth Sciences, 2011, 64, 2067-2077.	2.7	41
42	Processes and trends of the land use change in Aksu watershed in the central Asia from 1960 to 2008. Journal of Arid Land, 2010, 2, 157-166.	2.3	15
43	An improved water budget for the El Yunque National Forest, Puerto Rico, as determined by the Water Supply Stress Index model. Forest Science, 0, , .	1.0	0