

Jay Gao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

557
citations

687363

13
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

664
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral sensing of heavy metals in soil and vegetation: Feasibility and challenges. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 136, 73-84.	11.1	180
2	Topographic controls on evolution of shallow landslides in pastoral Wairarapa, New Zealand, 1979â€“2003. Geomorphology, 2010, 114, 373-381.	2.6	46
3	Remote sensing-based estimation of rice yields using various models: A critical review. Geo-Spatial Information Science, 2021, 24, 580-603.	5.3	38
4	A site-optimised multi-scale GIS based land use regression model for simulating local scale patterns in air pollution. Science of the Total Environment, 2019, 685, 134-149.	8.0	37
5	Restoration prospects for Heitutan degraded grassland in the Sanjiangyuan. Journal of Mountain Science, 2013, 10, 687-698.	2.0	33
6	Assessing schoolchildren's exposure to air pollution during the daily commute - A systematic review. Science of the Total Environment, 2020, 737, 140389.	8.0	32
7	Dynamic Changes of Plateau Wetlands in Madou County, the Yellow River Source Zone of China: 1990â€“2013. Wetlands, 2016, 36, 299-310.	1.5	27
8	Degradation of frigid swampy meadows on the Qinghaiâ€“Tibet Plateau. Progress in Physical Geography, 2016, 40, 794-810.	3.2	24
9	Micro-scale fragmentation of the alpine meadow landscape on the Qinghai-Tibet Plateau under external disturbances. Catena, 2021, 201, 105220.	5.0	23
10	A topographic perspective on the distribution of degraded meadows and their changes on the Qinghaiâ€“Tibet Plateau, West China. Land Degradation and Development, 2018, 29, 1574-1582.	3.9	18
11	Natural and anthropogenic influences on the spatiotemporal change of degraded meadows in southern Qinghai Province, West China: 1976â€“2015. Applied Geography, 2018, 97, 176-183.	3.7	15
12	Evaluating the Effect of Ambient Concentrations, Route Choices, and Environmental (in)Justice on Studentsâ€™ Dose of Ambient NO ₂ While Walking to School at Population Scales. Environmental Science & Technology, 2020, 54, 12908-12919.	10.0	15
13	Topographic influence on wetland distribution and change in Maduo County, Qinghai-Tibet Plateau, China. Journal of Mountain Science, 2012, 9, 362-371.	2.0	14
14	PyLUR: Efficient software for land use regression modeling the spatial distribution of air pollutants using GDAL/OGR library in Python. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	12
15	Phenology-based delineation of irrigated and rain-fed paddy fields with Sentinel-2 imagery in Google Earth Engine. Geo-Spatial Information Science, 0, , 1-16.	5.3	9
16	Health assessment of plantations based on LiDAR canopy spatial structure parameters. International Journal of Digital Earth, 2022, 15, 712-729.	3.9	9
17	The evolution of hummockâ€“depression microtopography in an alpine marshy wetland in Sanjiangyuan as inferred from vegetation and soil characteristics. Ecology and Evolution, 2021, 11, 3901-3916.	1.9	8
18	Influences of pika and simulated grazing disturbances on bare patches of alpine meadow in the Yellow River Source Zone. Journal of Mountain Science, 2021, 18, 1307-1320.	2.0	7

#	ARTICLE	IF	CITATIONS
19	Controlled urban sprawl in Auckland, New Zealand and its impacts on the natural environment and housing affordability. Computational Urban Science, 2021, 1, 1.	3.2	5
20	Development of place-based catenal models for grassland ecosystems of the Upper Yellow River, Western China. Catena, 2022, 213, 106193.	5.0	5
21	Development of transferable neighborhood land use regression models for predicting intra-urban ambient nitrogen dioxide (NO2) spatial variations. Environmental Science and Pollution Research, 2022, , 1.	5.3	0