Xiaoliang Lu

List of Publications by Year
in descending order

19	636	759233 12	752698 20
papers	citations	h-index	g-index

21	21	21	1223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simulation of solar-induced chlorophyll fluorescence in a heterogeneous forest using 3-D radiative transfer modelling and airborne LiDAR. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 191, 1-17.	11.1	7
2	Potential of Sunâ€Induced Chlorophyll Fluorescence for Indicating Mangrove Canopy Photosynthesis. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006159.	3.0	13
3	Far-Red Chlorophyll Fluorescence Radiance Tracks Photosynthetic Carbon Assimilation Efficiency of Dark Reactions. Applied Sciences (Switzerland), 2021, 11, 10821.	2.5	4
4	Comparison of total emitted solar-induced chlorophyll fluorescence (SIF) and top-of-canopy (TOC) SIF in estimating photosynthesis. Remote Sensing of Environment, 2020, 251, 112083.	11.0	45
5	Simulation-Based Evaluation of the Estimation Methods of Far-Red Solar-Induced Chlorophyll Fluorescence Escape Probability in Discontinuous Forest Canopies. Remote Sensing, 2020, 12, 3962.	4.0	6
6	Advantage of multi-band solar-induced chlorophyll fluorescence to derive canopy photosynthesis in a temperate forest. Agricultural and Forest Meteorology, 2019, 279, 107691.	4.8	12
7	Tidal wetland resilience to sea level rise increases their carbon sequestration capacity in United States. Nature Communications, 2019, 10, 5434.	12.8	59
8	Potential of solar-induced chlorophyll fluorescence to estimate transpiration in a temperate forest. Agricultural and Forest Meteorology, 2018, 252, 75-87.	4.8	59
9	The role of protected areas in land use/land cover change and the carbon cycle in the conterminous United States. Global Change Biology, 2018, 24, 617-630.	9.5	28
10	Performance of Solar-Induced Chlorophyll Fluorescence in Estimating Water-Use Efficiency in a Temperate Forest. Remote Sensing, 2018, 10, 796.	4.0	4
11	Increasing Methane Emissions From Natural Land Ecosystems due to Seaâ€Level Rise. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1756-1768.	3.0	9
12	Comparison of Phenology Estimated from Reflectance-Based Indices and Solar-Induced Chlorophyll Fluorescence (SIF) Observations in a Temperate Forest Using GPP-Based Phenology as the Standard. Remote Sensing, 2018, 10, 932.	4.0	38
13	Chlorophyll fluorescence tracks seasonal variations of photosynthesis from leaf to canopy in a temperate forest. Global Change Biology, 2017, 23, 2874-2886.	9.5	135
14	Optimization of Terrestrial Ecosystem Model Parameters Using Atmospheric CO₂ Concentration Data With the Global Carbon Assimilation System (GCAS). Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3218-3237.	3.0	6
15	A largeâ€scale methane model by incorporating the surface water transport. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1657-1674.	3.0	9
16	Protected areasâ€™ role in climate-change mitigation. Ambio, 2016, 45, 133-145.	5.5	71
17	Land carbon sequestration within the conterminous United States: Regionalâ€and stateâ€level analyses. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 379-398.	3.0	33
18	A Contemporary Carbon Balance for the Northeast Region of the United States. Environmental Science & Technology, 2013, 47, 13230-13238.	10.0	24

#	Article	IF	Citations
19	Modeling methane emissions from the Alaskan Yukon River basin, 1986â€“2005, by coupling a largeâ€scale hydrological model and a processâ€based methane model. Journal of Geophysical Research, 2012, 117, .	3.3	24