

Su-Jong Jeong

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73
papers

2,331
citations

23
h-index

47
g-index

86
ext. papers

3,054
ext. citations

8.4
avg, IF

5.29
L-index

#	Paper	IF	Citations
73	Phenology shifts at start vs. end of growing season in temperate vegetation over the Northern Hemisphere for the period 1982-2008. <i>Global Change Biology</i> , 2011 , 17, 2385-2399	11.4	617
72	Leaf onset in the northern hemisphere triggered by daytime temperature. <i>Nature Communications</i> , 2015 , 6, 6911	17.4	261
71	Unexpected role of winter precipitation in determining heat requirement for spring vegetation green-up at northern middle and high latitudes. <i>Global Change Biology</i> , 2014 , 20, 3743-55	11.4	122
70	Weakening temperature control on the interannual variations of spring carbon uptake across northern lands. <i>Nature Climate Change</i> , 2017 , 7, 359-363	21.4	107
69	Application of satellite solar-induced chlorophyll fluorescence to understanding large-scale variations in vegetation phenology and function over northern high latitude forests. <i>Remote Sensing of Environment</i> , 2017 , 190, 178-187	13.2	100
68	Keeping global warming within 1.5 °C constrains emergence of aridification. <i>Nature Climate Change</i> , 2018 , 8, 70-74	21.4	96
67	Uncertainties in terrestrial carbon budgets related to spring phenology. <i>Journal of Geophysical Research</i> , 2012 , 117,		68
66	Increase in vegetation greenness and decrease in springtime warming over east Asia. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	67
65	Effects of double cropping on summer climate of the North China Plain and neighbouring regions. <i>Nature Climate Change</i> , 2014 , 4, 615-619	21.4	64
64	Macroscale prediction of autumn leaf coloration throughout the continental United States. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1245-1254	6.1	62
63	Predicting changes in temperate forest budburst using continental-scale observations and models. <i>Geophysical Research Letters</i> , 2013 , 40, 359-364	4.9	51
62	Reduction of spring warming over East Asia associated with vegetation feedback. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	49
61	Nonlinear response of vegetation green-up to local temperature variations in temperate and boreal forests in the Northern Hemisphere. <i>Remote Sensing of Environment</i> , 2015 , 165, 100-108	13.2	42
60	Accelerating rates of Arctic carbon cycling revealed by long-term atmospheric CO ₂ measurements. <i>Science Advances</i> , 2018 , 4, eaao1167	14.3	40
59	Impact of vegetation feedback on the temperature and its diurnal range over the Northern Hemisphere during summer in a 2 × CO ₂ climate. <i>Climate Dynamics</i> , 2011 , 37, 821-833	4.2	40
58	Reduced North American terrestrial primary productivity linked to anomalous Arctic warming. <i>Nature Geoscience</i> , 2017 , 10, 572-576	18.3	37
57	Deriving Vegetation Phenological Time and Trajectory Information Over Africa Using SEVIRI Daily LAI. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 1113-1130	8.1	35

56	Effects of seasonal variation of photosynthetic capacity on the carbon fluxes of a temperate deciduous forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1703-1714	3.7	35
55	Extensive fires in southeastern Siberian permafrost linked to preceding Arctic Oscillation. <i>Science Advances</i> , 2020 , 6, eaax3308	14.3	29
54	Influence of winter precipitation on spring phenology in boreal forests. <i>Global Change Biology</i> , 2018 , 24, 5176-5187	11.4	29
53	Slowdown of spring green-up advancements in boreal forests. <i>Remote Sensing of Environment</i> , 2018 , 217, 191-202	13.2	25
52	Irrigation enhances local warming with greater nocturnal warming effects than daytime cooling effects. <i>Environmental Research Letters</i> , 2018 , 13, 024005	6.2	24
51	Intensification of terrestrial carbon cycle related to El Niño-Southern Oscillation under greenhouse warming. <i>Nature Communications</i> , 2017 , 8, 1674	17.4	23
50	Deforestation-induced warming over tropical mountain regions regulated by elevation. <i>Nature Geoscience</i> , 2021 , 14, 23-29	18.3	20
49	Satellite data-based phenological evaluation of the nationwide reforestation of South Korea. <i>PLoS ONE</i> , 2013 , 8, e58900	3.7	18
48	Shifting the urban heat island clock in a megacity: a case study of Hong Kong. <i>Environmental Research Letters</i> , 2018 , 13, 014014	6.2	17
47	Arctic greening can cause earlier seasonality of Arctic amplification. <i>Geophysical Research Letters</i> , 2015 , 42, 536-541	4.9	15
46	Working towards confident spaceborne monitoring of carbon emissions from cities using Orbiting Carbon Observatory-2. <i>Remote Sensing of Environment</i> , 2019 , 233, 111359	13.2	14
45	Climatic influence on corn sowing date in the Midwestern United States. <i>International Journal of Climatology</i> , 2017 , 37, 1595-1602	3.5	13
44	Accelerated rate of vegetation green-up related to warming at northern high latitudes. <i>Global Change Biology</i> , 2020 , 26, 6190-6202	11.4	12
43	Spatial and temporal changes in leaf coloring date of <i>Acer palmatum</i> and <i>Ginkgo biloba</i> in response to temperature increases in South Korea. <i>PLoS ONE</i> , 2017 , 12, e0174390	3.7	11
42	Global irrigation contribution to wheat and maize yield. <i>Nature Communications</i> , 2021 , 12, 1235	17.4	11
41	The effect of particulate matter on solar photovoltaic power generation over the Republic of Korea. <i>Environmental Research Letters</i> , 2020 , 15, 084004	6.2	10
40	Improved mapping and change detection of the start of the crop growing season in the US Corn Belt from long-term AVHRR NDVI. <i>Agricultural and Forest Meteorology</i> , 2020 , 294, 108143	5.8	10
39	Impact of urbanization on spring and autumn phenology of deciduous trees in the Seoul Capital Area, South Korea. <i>International Journal of Biometeorology</i> , 2019 , 63, 627-637	3.7	9

38	Intercomparison of Terrestrial Carbon Fluxes and Carbon Use Efficiency Simulated by CMIP5 Earth System Models. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2018 , 54, 145-163	2.1	9
37	The potential of vegetation feedback to alleviate climate aridity over the United States associated with a 2°C CO ₂ climate condition. <i>Climate Dynamics</i> , 2012 , 38, 1489-1500	4.2	8
36	Direct radiative forcing of biomass burning aerosols from the extensive Australian wildfires in 2019-2020. <i>Environmental Research Letters</i> , 2021 , 16, 044041	6.2	8
35	Role of Groundwater in Sustaining Northern Himalayan Rivers. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092354	4.9	8
34	Evaluation of the Potential Use of Satellite-Derived XCO ₂ in Detecting CO ₂ Enhancement in Megacities with Limited Ground Observations: A Case Study in Seoul Using Orbiting Carbon Observatory-2. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021 , 57, 289-299	2.1	8
33	An assessment of emission characteristics of Northern Hemisphere cities using spaceborne observations of CO ₂ , CO, and NO ₂ . <i>Remote Sensing of Environment</i> , 2021 , 254, 112246	13.2	8
32	Regional Variations in Potential Plant Habitat Changes in Response to Multiple Global Warming Scenarios*. <i>Journal of Climate</i> , 2015 , 28, 2884-2899	4.4	7
31	Vegetation-cloud feedbacks to future vegetation changes in the Arctic regions. <i>Climate Dynamics</i> , 2018 , 50, 3745-3755	4.2	7
30	Emergence of significant soil moisture depletion in the near future. <i>Environmental Research Letters</i> , 2020 , 15, 124048	6.2	6
29	Characterization of Wildfire-Induced Aerosol Emissions From the Maritime Continent Peatland and Central African Dry Savannah with MISR and CALIPSO Aerosol Products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3116-3125	4.4	5
28	Urbanization has stronger impacts than regional climate change on wind stilling: a lesson from South Korea. <i>Environmental Research Letters</i> , 2020 , 15, 054016	6.2	5
27	Effects of extreme temperature on China's tea production. <i>Environmental Research Letters</i> , 2021 , 16, 044040	6.2	5
26	Potential role of urban forest in removing PM _{2.5} : A case study in Seoul by deep learning with satellite data. <i>Urban Climate</i> , 2021 , 36, 100795	6.8	5
25	Lessons from COVID-19 and Seoul: Effects of Reduced Human Activity from Social Distancing on Urban CO ₂ Concentration and Air Quality. <i>Aerosol and Air Quality Research</i> , 2021 , 21, 200376	4.6	5
24	The size of the land carbon sink in China.. <i>Nature</i> , 2022 , 603, E7-E9	50.4	5
23	A missing component of Arctic warming: black carbon from gas flaring. <i>Environmental Research Letters</i> , 2019 , 14, 094011	6.2	4
22	Co-benefit potential of urban CO ₂ and air quality monitoring: A study on the first mobile campaign and building monitoring experiments in Seoul during the winter. <i>Atmospheric Pollution Research</i> , 2020 , 11, 1963-1970	4.5	4
21	Role of Local Air-Sea Interaction in Fire Activity Over Equatorial Asia. <i>Geophysical Research Letters</i> , 2019 , 46, 14789-14797	4.9	4

20	Challenges in Monitoring Atmospheric CO ₂ Concentrations in Seoul Using Low-Cost Sensors. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021 , 57, 547-553	2.1	4
19	Enhanced regional terrestrial carbon uptake over Korea revealed by atmospheric CO measurements from 1999 to 2017. <i>Global Change Biology</i> , 2020 , 26, 3368-3383	11.4	3
18	Population ageing determines changes in heat vulnerability to future warming. <i>Environmental Research Letters</i> , 2020 , 15, 114043	6.2	3
17	A Dipole Mode of Spring Precipitation between Southern China and Southeast Asia Associated with the Eastern and Central Pacific Types of ENSO. <i>Journal of Climate</i> , 2020 , 33, 10097-10111	4.4	3
16	Exposure to cold temperature affects the spring phenology of Alaskan deciduous vegetation types. <i>Environmental Research Letters</i> , 2020 , 15, 025006	6.2	3
15	Leaf area index in Earth system models: how the key variable of vegetation seasonality works in climate projections. <i>Environmental Research Letters</i> , 2021 , 16, 034027	6.2	3
14	Inequal Responses of Drylands to Radiative Forcing Geoengineering Methods. <i>Geophysical Research Letters</i> , 2019 , 46, 14011-14020	4.9	2
13	Toward a comprehensive understanding of global vegetation CO assimilation from space. <i>Global Change Biology</i> , 2021 , 27, 1141-1143	11.4	2
12	Foraging trip duration of honeybee increases during a poor air quality episode and the increase persists thereafter. <i>Ecology and Evolution</i> , 2021 , 11, 1492-1500	2.8	2
11	Standardizing thermal contrast among local climate zones at a continental scale: Implications for cool neighborhoods. <i>Building and Environment</i> , 2021 , 197, 107878	6.5	1
10	Finding the Missing Link in Methane Emission Inventories Using Aircraft and Mobile Observations. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 1	2.1	1
9	Reduction in urban atmospheric CO enhancement in Seoul, South Korea, resulting from social distancing policies during the COVID-19 pandemic. <i>Atmospheric Pollution Research</i> , 2021 , 12, 101176	4.5	1
8	A Simple Method of Predicting Autumn Leaf Coloring Date Using Machine Learning with Spring Leaf Unfolding Date. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 1	2.1	0
7	Contributions of economic growth, terrestrial sinks, and atmospheric transport to the increasing atmospheric CO concentrations over the Korean Peninsula. <i>Carbon Balance and Management</i> , 2021 , 16, 22	3.6	0
6	Different responses of surface freeze and thaw phenology changes to warming among Arctic permafrost types. <i>Remote Sensing of Environment</i> , 2022 , 272, 112956	13.2	0
5	Improved calibration procedures for the EM27/SUN spectrometers of the Collaborative Carbon Column Observing Network (COCCON). <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2433-2463	4	0
4	Spatiotemporal variations in urban CO flux with land-use types in Seoul.. <i>Carbon Balance and Management</i> , 2022 , 17, 3	3.6	0
3	Evaluation of Different Roof Materials for the Mitigation of Urban Warming in a Subtropical Monsoon Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031972	4.4	

- 2 Regional and Species Variations in Spring and Autumn Phenology of 25 Temperate Species in South Korea. *Asia-Pacific Journal of Atmospheric Sciences*,1 2.1
- 1 Unexpected Urban Methane Hotspots Captured from Aircraft Observations. *ACS Earth and Space Chemistry*, **2022**, 6, 755-765 3.2