

# Sietse O Los

## List of Publications by Year in descending order

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68  
papers

7,566  
citations

66343

42  
h-index

91884

69  
g-index

79  
all docs

79  
docs citations

79  
times ranked

8286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tree line shifts, changing vegetation assemblages and permafrost dynamics on Galdh�piggen (Jotunheimen, Norway) over the past ~4400 years. <i>Holocene</i> , 2022, 32, 308-320.	1.7	3
2	Permafrost, thermal conditions and vegetation patterns since the mid-20 <sup>th</sup> century: A remote sensing approach applied to Jotunheimen, Norway. <i>Progress in Physical Geography</i> , 2022, 46, 716-736.	3.2	2
3	Detection of signals linked to climate change, land-cover change and climate oscillators in Tropical Montane Cloud Forests. <i>Remote Sensing of Environment</i> , 2021, 260, 112431.	11.0	14
4	Holocene alluvial fan evolution, Schmidt�hammer exposure age dating and paraglacial debris floods in the <sc>SE</sc> Jostedalbreen region, southern Norway. <i>Boreas</i> , 2020, 49, 886-902.	2.4	8
5	Carbon dioxide emissions from periglacial patterned ground under changing permafrost conditions and shrub encroachment in an alpine landscape, Jotunheimen, Norway. <i>Permafrost and Periglacial Processes</i> , 2020, 31, 524-537.	3.4	2
6	Sensitivity of a tropical montane cloud forest to climate change, present, past and future: Mt. Marsabit, N. Kenya. <i>Quaternary Science Reviews</i> , 2019, 218, 34-48.	3.0	26
7	A global climate niche for giant trees. <i>Global Change Biology</i> , 2018, 24, 2875-2883.	9.5	15
8	Estimating forest canopy parameters from satellite waveform LiDAR by inversion of the FLIGHT three-dimensional radiative transfer model. <i>Remote Sensing of Environment</i> , 2017, 188, 177-189.	11.0	25
9	Testing gridded land precipitation data and precipitation and runoff reanalyses (1982�2010) between 45� S and 45� N with normalised difference vegetation index data. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1713-1725.	4.9	11
10	Slope Estimation from ICESat/GLAS. <i>Remote Sensing</i> , 2014, 6, 10051-10069.	4.0	23
11	Response of vegetation to the 2003 European drought was mitigated by height. <i>Biogeosciences</i> , 2014, 11, 2897-2908.	3.3	17
12	Retrieval of leaf area index from MODIS surface reflectance by model inversion using different minimization criteria. <i>Remote Sensing of Environment</i> , 2013, 139, 257-270.	11.0	15
13	Evaluating Prospects for Improved Forest Parameter Retrieval From Satellite LiDAR Using a Physically-Based Radiative Transfer Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 45-53.	4.9	13
14	Changes in large rainstorm magnitude�frequency over the last century in Sabah, Malaysian Borneo and their geomorphological implications. <i>Holocene</i> , 2013, 23, 1824-1840.	1.7	13
15	A 1200-year multiproxy record of tree growth and summer temperature at the northern pine forest limit of Europe. <i>Holocene</i> , 2013, 23, 471-484.	1.7	100
16	Analysis of trends in fused AVHRR and MODIS NDVI data for 1982�2006: Indication for a CO <sub>2</sub> fertilization effect in global vegetation. <i>Global Biogeochemical Cycles</i> , 2013, 27, 318-330.	4.9	95
17	Statistical Distances and Their Applications to Biophysical Parameter Estimation: Information Measures, M-Estimates, and Minimum Contrast Methods. <i>Remote Sensing</i> , 2013, 5, 1355-1388.	4.0	27
18	Vegetation height and cover fraction between 60� S and 60� N from ICESat GLAS data. <i>Geoscientific Model Development</i> , 2012, 5, 413-432.	3.6	94

#	ARTICLE	IF	CITATIONS
19	A global dataset of atmospheric aerosol optical depth and surface reflectance from AATSR. <i>Remote Sensing of Environment</i> , 2012, 116, 199-210.	11.0	66
20	Using geostatistical methods to produce a spatial and temporal gridded dataset of historic river flow across Great Britain. <i>Procedia Environmental Sciences</i> , 2011, 7, 128-133.	1.4	0
21	A comprehensive set of benchmark tests for a land surface model of simultaneous fluxes of water and carbon at both the global and seasonal scale. <i>Geoscientific Model Development</i> , 2011, 4, 255-269.	3.6	112
22	Forestry Applications for Satellite Lidar Remote Sensing. <i>Photogrammetric Engineering and Remote Sensing</i> , 2011, 77, 271-279.	0.6	7
23	Predicting the time of green up in temperate and boreal biomes. <i>Climatic Change</i> , 2011, 107, 277-304.	3.6	20
24	A New Characterization of the Land Surface Heterogeneity over Africa for Use in Land Surface Models. <i>Journal of Hydrometeorology</i> , 2011, 12, 1321-1336.	1.9	8
25	Uncertainty within satellite LiDAR estimations of vegetation and topography. <i>International Journal of Remote Sensing</i> , 2010, 31, 1325-1342.	2.9	40
26	A Monte Carlo radiative transfer model of satellite waveform LiDAR. <i>International Journal of Remote Sensing</i> , 2010, 31, 1343-1358.	2.9	73
27	Global atmospheric aerosol optical depth retrievals over land and ocean from AATSR. , 2009, , .		1
28	New Vegetation Albedo Parameters and Global Fields of Soil Background Albedo Derived from MODIS for Use in a Climate Model. <i>Journal of Hydrometeorology</i> , 2009, 10, 183-198.	1.9	87
29	Evaluating the Simulated Seasonality of Soil Moisture with Earth Observation Data. <i>Journal of Hydrometeorology</i> , 2009, 10, 1548-1560.	1.9	5
30	Spatial and temporal stability of the climatic signal in northern Fennoscandian pine treeâ€™ring width and maximum density. <i>Boreas</i> , 2009, 38, 1-12.	2.4	33
31	Correction of tree ring stable carbon isotope chronologies for changes in the carbon dioxide content of the atmosphere. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1539-1547.	3.9	244
32	Impact of atmospheric aerosol from biomass burning on Amazon dryâ€™season drought. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	71
33	Simulations of global evapotranspiration using semiempirical and mechanistic schemes of plant hydrology. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	55
34	Investigation of Ecological and Environmental Determinants for the Presence of Questing <I>Ixodes ricinus</I> (Acari: Ixodidae) on Gower, South Wales. <i>Journal of Medical Entomology</i> , 2008, 45, 314-325.	1.8	37
35	Climate, vegetation phenology and forest fires in Siberia. , 2007, , .		0
36	Coupling of Vegetation Growing Season Anomalies and Fire Activity with Hemispheric and Regional-Scale Climate Patterns in Central and East Siberia. <i>Journal of Climate</i> , 2007, 20, 3713-3729.	3.2	78

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37	Improved global simulations of gross primary product based on a separate and explicit treatment of diffuse and direct sunlight. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	51
38	The impact of diffuse sunlight on canopy light use efficiency, gross photosynthetic product and net ecosystem exchange in three forest biomes. <i>Global Change Biology</i> , 2007, 13, 776-787.	9.5	222
39	Ability of the land surface model ISBA-A-gs to simulate leaf area index at the global scale: Comparison with satellites products. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	113
40	An observation-based estimate of the strength of rainfall-vegetation interactions in the Sahel. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	63
41	Computationally efficient method for retrieving aerosol optical depth from ATSR-2 and AATSR data. <i>Applied Optics</i> , 2006, 45, 2786.	2.1	42
42	Aerosol optical depth and land surface reflectance from multiangle AATSR measurements: global validation and intersensor comparisons. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 2184-2197.	6.3	90
43	A method to convert AVHRR Normalized Difference Vegetation Index time series to a standard viewing and illumination geometry. <i>Remote Sensing of Environment</i> , 2005, 99, 400-411.	11.0	84
44	Radiative transfer modeling of direct and diffuse sunlight in a Siberian pine forest. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36
45	Northern hemisphere photosynthetic trends 1982-99. <i>Global Change Biology</i> , 2003, 9, 1-15.	9.5	378
46	Postfire response of North American boreal forest net primary productivity analyzed with satellite observations. <i>Global Change Biology</i> , 2003, 9, 1145-1157.	9.5	147
47	Impact of leaf area index seasonality on the annual land surface evaporation in a global circulation model. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	85
48	Effect of climate on interannual variability of terrestrial CO <sub>2</sub> fluxes. <i>Global Biogeochemical Cycles</i> , 2002, 16, 49-1-49-12.	4.9	51
49	Trends in North American net primary productivity derived from satellite observations, 1982-1998. <i>Global Biogeochemical Cycles</i> , 2002, 16, 2-1-2-14.	4.9	133
50	Satellite-derived increases in net primary productivity across North America, 1982-1998. <i>Geophysical Research Letters</i> , 2002, 29, 69-1-69-4.	4.0	100
51	Influence of the Interannual Variability of Vegetation on the Surface Energy Balance – A Global Sensitivity Study. <i>Journal of Hydrometeorology</i> , 2002, 3, 617-629.	1.9	59
52	Satellite estimates of productivity and light use efficiency in United States agriculture, 1982-98. <i>Global Change Biology</i> , 2002, 8, 722-735.	9.5	203
53	Global Interannual Variations in Sea Surface Temperature and Land Surface Vegetation, Air Temperature, and Precipitation. <i>Journal of Climate</i> , 2001, 14, 1535-1549.	3.2	140
54	Biospheric Primary Production During an ENSO Transition. <i>Science</i> , 2001, 291, 2594-2597.	12.6	523

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55	Higher northern latitude normalized difference vegetation index and growing season trends from 1982 to 1999. <i>International Journal of Biometeorology</i> , 2001, 45, 184-190.	3.0	646
56	A Global 9-yr Biophysical Land Surface Dataset from NOAA AVHRR Data. <i>Journal of Hydrometeorology</i> , 2000, 1, 183-199.	1.9	281
57	Sensitivity of Climate to Changes in NDVI. <i>Journal of Climate</i> , 2000, 13, 2277-2292.	3.2	209
58	A mechanism for the influence of vegetation on the response of the diurnal temperature range to changing climate. <i>Geophysical Research Letters</i> , 2000, 27, 3381-3384.	4.0	100
59	Interactions between Vegetation and Climate: Radiative and Physiological Effects of Doubled Atmospheric CO <sub>2</sub> . <i>Journal of Climate</i> , 1999, 12, 309-324.	3.2	91
60	Estimation of the ratio of sensor degradation between NOAA AVHRR channels 1 and 2 from monthly NDVI composites. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1998, 36, 206-213.	6.3	87
61	Interannual variation in global-scale net primary production: Testing model estimates. <i>Global Biogeochemical Cycles</i> , 1997, 11, 367-392.	4.9	151
62	Satellite-based identification of linked vegetation index and sea surface temperature Anomaly areas from 1982-1990 for Africa, Australia and South America. <i>Geophysical Research Letters</i> , 1996, 23, 729-732.	4.0	138
63	Comparison of Radiative and Physiological Effects of Doubled Atmospheric CO <sub>2</sub> on Climate. <i>Science</i> , 1996, 271, 1402-1406.	12.6	516
64	The ISLSCP Initiative I Global Datasets: Surface Boundary Conditions and Atmospheric Forcings for Land-Atmosphere Studies. <i>Bulletin of the American Meteorological Society</i> , 1996, 77, 1987-2005.	3.3	99
65	A Revised Land Surface Parameterization (SiB2) for GCMS. Part III: The Greening of the Colorado State University General Circulation Model. <i>Journal of Climate</i> , 1996, 9, 738-763.	3.2	131
66	A Revised Land Surface Parameterization (SiB2) for Atmospheric GCMS. Part II: The Generation of Global Fields of Terrestrial Biophysical Parameters from Satellite Data. <i>Journal of Climate</i> , 1996, 9, 706-737.	3.2	834
67	Potential gross primary productivity of terrestrial vegetation from 1982-1990. <i>Geophysical Research Letters</i> , 1995, 22, 2617-2620.	4.0	61
68	Mapping the land surface for global atmosphere-biosphere models: Toward continuous distributions of vegetation's functional properties. <i>Journal of Geophysical Research</i> , 1995, 100, 20867.	3.3	175