

Jun Asanuma

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,503
citations

257450

24
h-index

243625

44
g-index

52
all docs

52
docs citations

52
times ranked

2759
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of SMAP surface soil moisture products with core validation sites. Remote Sensing of Environment, 2017, 191, 215-231.	11.0	503
2	Development and assessment of the SMAP enhanced passive soil moisture product. Remote Sensing of Environment, 2018, 204, 931-941.	11.0	297
3	Global-scale evaluation of SMAP, SMOS and ASCAT soil moisture products using triple collocation. Remote Sensing of Environment, 2018, 214, 1-13.	11.0	157
4	Spatial distribution of carbon balance in forest ecosystems across East Asia. Agricultural and Forest Meteorology, 2008, 148, 761-775.	4.8	141
5	Temporal and spatial variations in the seasonal patterns of CO ₂ flux in boreal, temperate, and tropical forests in East Asia. Agricultural and Forest Meteorology, 2008, 148, 700-713.	4.8	123
6	Energy partitioning and its biophysical controls above a grazing steppe in central Mongolia. Agricultural and Forest Meteorology, 2006, 137, 89-106.	4.8	113
7	Evapotranspiration from a Mongolian steppe under grazing and its environmental constraints. Journal of Hydrology, 2007, 333, 133-143.	5.4	95
8	Estimating surface soil moisture from SMAP observations using a Neural Network technique. Remote Sensing of Environment, 2018, 204, 43-59.	11.0	85
9	Net ecosystem carbon dioxide exchange over grazed steppe in central Mongolia. Global Change Biology, 2005, 11, 051013014052004-???	9.5	76
10	Turbulent exchange of heat, water vapor, and momentum over a Tibetan prairie by eddy covariance and flux variance measurements. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	65
11	Gene Therapy for Prostate Cancer by Controlling Adenovirus E1a and E4 Gene Expression with PSES Enhancer. Cancer Research, 2005, 65, 1941-1951.	0.9	63
12	Validation of Soil Moisture Data Products From the NASA SMAP Mission. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 364-392.	4.9	62
13	An overview of the rangelands atmosphere-hydrosphere-biosphere interaction study experiment in northeastern Asia (RAISE). Journal of Hydrology, 2007, 333, 3-20.	5.4	54
14	Turbulence variance characteristics of temperature and humidity in the unstable atmospheric surface layer above a variable pine forest. Water Resources Research, 1999, 35, 515-521.	4.2	46
15	An assessment of the differences between spatial resolution and grid size for the SMAP enhanced soil moisture product over homogeneous sites. Remote Sensing of Environment, 2018, 207, 65-70.	11.0	46
16	Year-round measurements of net ecosystem CO ₂ flux over a montane larch forest in Mongolia. Journal of Geophysical Research, 2005, 110, .	3.3	44
17	GCOM-W AMSR2 Soil Moisture Product Validation Using Core Validation Sites. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 209-219.	4.9	44
18	Effects of irrigation on CO ₂ and CH ₄ fluxes from Mongolian steppe soil. Journal of Hydrology, 2007, 333, 118-123.	5.4	38

#	ARTICLE	IF	CITATIONS
19	NDVI responses to the forest canopy and floor from spring to summer observed by airborne spectrometer in eastern Siberia. <i>Remote Sensing of Environment</i> , 2011, 115, 3615-3624.	11.0	33
20	Response of gross ecosystem productivity, light use efficiency, and water use efficiency of Mongolian steppe to seasonal variations in soil moisture. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
21	Site-level model data synthesis of terrestrial carbon fluxes in the CarboEastAsia eddy-covariance observation network: toward future modeling efforts. <i>Journal of Forest Research</i> , 2013, 18, 13-20.	1.4	31
22	Spectral similarity between scalars at very low frequencies in the unstable atmospheric surface layer over the Tibetan plateau. <i>Boundary-Layer Meteorology</i> , 2007, 122, 85-103.	2.3	30
23	Dataset of CarboEastAsia and uncertainties in the CO2 budget evaluation caused by different data processing. <i>Journal of Forest Research</i> , 2013, 18, 41-48.	1.4	26
24	Satellite-Based Analysis of Evapotranspiration and Water Balance in the Grassland Ecosystems of Dryland East Asia. <i>PLoS ONE</i> , 2014, 9, e97295.	2.5	26
25	Aircraft Observations of the Development of Thermal Internal Boundary Layers and Scaling of the Convective Boundary Layer Over Non-Homogeneous Land Surfaces. <i>Boundary-Layer Meteorology</i> , 2004, 111, 491-522.	2.3	24
26	Uncertainty of Reference Pixel Soil Moisture Averages Sampled at SMAP Core Validation Sites. <i>Journal of Hydrometeorology</i> , 2019, 20, 1553-1569.	1.9	24
27	Calculation of near-surface layer turbulent transport and analysis of surface thermal equilibrium features in Nagqu of Tibet. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 135-139.	0.3	23
28	Measurements of regional sensible heat flux over Mongolian grassland using large aperture scintillometer. <i>Journal of Hydrology</i> , 2007, 333, 58-67.	5.4	21
29	The Effect of Chessboard Variability of the Surface Fluxes on the Aggregated Turbulence Fields in a Convective Atmospheric Surface Layer. <i>Boundary-Layer Meteorology</i> , 1999, 91, 37-50.	2.3	20
30	Spatial variations in evapotranspiration over East Asian forest sites. I. Evapotranspiration and decoupling coefficient. <i>Hydrological Research Letters</i> , 2011, 5, 83-87.	0.5	20
31	Aircraft observations of the atmospheric boundary layer over a heterogeneous surface in eastern Siberia. <i>Hydrological Processes</i> , 2003, 17, 2885-2911.	2.6	19
32	Application of the band-pass covariance technique to portable flux measurements over the Tibetan Plateau. <i>Water Resources Research</i> , 2005, 41, .	4.2	19
33	Seasonal and interannual variations in water vapor exchange and surface water balance over a grazed steppe in central Mongolia. <i>Agricultural Water Management</i> , 2010, 97, 857-864.	5.6	15
34	Study of roughness lengths and drag coefficients over Nansha sea region, Gobi, desert, Oasis and Tibetan plateau. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 141-145.	0.3	12
35	Land surface identification near Yakutsk in eastern Siberia using video images taken from a hedgehopping aircraft. <i>International Journal of Remote Sensing</i> , 2004, 25, 4015-4028.	2.9	12
36	Evaluation of MODIS-derived Evapotranspiration at the Flux Tower Sites in East Asia. <i>Korean Journal of Agricultural and Forest Meteorology</i> , 2009, 11, 174-184.	0.2	11

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37	Spatial and seasonal variations of CO ₂ flux and photosynthetic and respiratory parameters of larch forests in East Asia. <i>Soil Science and Plant Nutrition</i> , 2015, 61, 61-75.	1.9	10
38	Thermal Inertia Approach Using a Heat Budget Model to Estimate the Spatial Distribution of Surface Soil Moisture over a Semiarid Grassland in Central Mongolia. <i>Journal of Hydrometeorology</i> , 2018, 19, 245-265.	1.9	9
39	Eddy Covariance Calculation Revisited with Wavelet Cospectra. <i>Scientific Online Letters on the Atmosphere</i> , 2008, 4, 49-52.	1.4	8
40	Dual-scale transport of sensible heat and water vapor over a short canopy under unstable conditions. <i>Water Resources Research</i> , 2007, 43, .	4.2	7
41	Assessment of version 4 of the SMAP passive soil moisture standard product. , 2017, , .		5
42	Transpiration and evaporation of grassland using land surface modelling. <i>Hydrological Processes</i> , 2020, 34, 3656-3668.	2.6	5
43	A database of water and heat observations over grassland in the north-east of Japan. <i>Earth System Science Data</i> , 2018, 10, 2295-2309.	9.9	4
44	AMSR2 soil moisture product validation. , 2017, , .		2
45	Vertical Length Scale of Transporting Eddies for Sensible Heat in the Unstable Roughness Sublayer Over a Forest Canopy. <i>J Agricultural Meteorology</i> , 2009, 65, 1-9.	1.5	2
46	Effects of exclosure on aboveground biomass, vegetation constitution, and midday gross primary productivity in semi-arid Mongolian steppe. <i>J Agricultural Meteorology</i> , 2010, 66, 227-236.	1.5	2
47	Comparative Study on Heat Balance during Snowmelt Season. <i>Proceedings of Hydraulic Engineering</i> , 1991, 35, 39-44.	0.0	0
48	DISSIPATION METHODS TO ESTIMATE TURBULENT FLUXES AND THEIR APPLICATIONS TO THE ATMOSPHERIC SURFACE LAYER OVER PADDY FIELD. <i>Proceedings of Hydraulic Engineering</i> , 2000, 44, 181-186.	0.0	0
49	DISSIPATION METHODS TO ESTIMATE TURBULENT FLUXES AND THEIR APPLICATIONS TO THE ATMOSPHERIC SURFACE LAYER OVER PADDY FIELD Part II. <i>Proceedings of Hydraulic Engineering</i> , 2001, 45, 247-252.	0.0	0
50	Analysis of Time Series of the Ambient Dose Rates. <i>Journal of Computer Chemistry Japan -International Edition</i> , 2017, 3, n/a.	0.1	0