

Jean-Louis Roujean

List of Publications by Year in descending order

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60
papers

4,775
citations

172207

29
h-index

168136

53
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61
all docs

61
docs citations

61
times ranked

4264
citing authors

#	ARTICLE	IF	CITATIONS
1	A TIR forest reflectance and transmittance (FRT) model for directional temperatures with structural and thermal stratification. Remote Sensing of Environment, 2022, 268, 112749.	4.6	13
2	A general framework of kernel-driven modeling in the thermal infrared domain. Remote Sensing of Environment, 2021, 252, 112157.	4.6	24
3	Modeling the directional anisotropy of fine-scale TIR emissions over tree and crop canopies based on UAV measurements. Remote Sensing of Environment, 2021, 252, 112150.	4.6	15
4	Correction of Directional Effects in VEGETATION NDVI Time-Series. Remote Sensing, 2021, 13, 1130.	1.8	10
5	Thin cloud detection over land using background surface reflectance based on the BRDF model applied to Geostationary Ocean Color Imager (GOCI) satellite data sets. Remote Sensing of Environment, 2020, 239, 111610.	4.6	18
6	Development of Land Surface Albedo Algorithm for the GK-2A/AMI Instrument. Remote Sensing, 2020, 12, 2500.	1.8	8
7	A Kernel-Driven BRDF Approach to Correct Airborne Hyperspectral Imagery over Forested Areas with Rugged Topography. Remote Sensing, 2020, 12, 432.	1.8	29
8	A review of earth surface thermal radiation directionality observing and modeling: Historical development, current status and perspectives. Remote Sensing of Environment, 2019, 232, 111304.	4.6	91
9	Surface albedo from the geostationary Communication, Ocean and Meteorological Satellite (COMS)/Meteorological Imager (MI) observation system. GIScience and Remote Sensing, 2018, 55, 38-62.	2.4	4
10	Assessing the potential of parametric models to correct directional effects on local to global remotely sensed LST. Remote Sensing of Environment, 2018, 209, 410-422.	4.6	32
11	Surface albedo and $300\mu\text{m}$ products from PROBA-V instrument in the framework of Copernicus Global Land Service. Remote Sensing of Environment, 2018, 215, 57-73.	4.6	21
12	Analysis of MODIS albedo changes over steady woody covers in France during the period of 2001–2013. Remote Sensing of Environment, 2017, 191, 13-29.	4.6	28
13	An assessment of thin cloud detection by applying bidirectional reflectance distribution function model-based background surface reflectance using Geostationary Ocean Color Imager (GOCI): A case study for South Korea. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8153-8172.	1.2	8
14	Angular normalisation of PROBA-V 300m NDVI. , 2017, , .		0
15	Merged MSG and EPS land surface albedo products in the frame of the LSA SAF project: Method and validation over Europe. , 2016, , .		0
16	Dynamic mapping of snow-free vegetation and bare soil albedos at global 1km scale from 10-year analysis of MODIS satellite products. Remote Sensing of Environment, 2014, 140, 420-432.	4.6	36
17	Can satellite-derived aerosol optical depth quantify the surface aerosol radiative forcing?. Atmospheric Research, 2014, 150, 151-167.	1.8	17
18	A parameterization of SEVIRI and MODIS daily surface albedo with soil moisture: Calibration and validation over southwestern France. Remote Sensing of Environment, 2014, 144, 137-151.	4.6	15

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19	An efficient approach to estimate the transmittance and reflectance of a mixture of aerosol components. <i>Atmospheric Research</i> , 2014, 137, 125-135.	1.8	8
20	The MISTIGRI thermal infrared project: scientific objectives and mission specifications. <i>International Journal of Remote Sensing</i> , 2013, 34, 3437-3466.	1.3	52
21	A canopy radiative transfer scheme with explicit FAPAR for the interactive vegetation model ISBA-A-GS: Impact on carbon fluxes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 888-903.	1.3	50
22	Impact Assessment of Daily Satellite-Derived Surface Albedo in a Limited-Area NWP Model. <i>Journal of Applied Meteorology and Climatology</i> , 2012, 51, 1835-1854.	0.6	15
23	A vegetation radiative transfer scheme in the ISBA-A-GS interactive vegetation model. , 2012, , .		0
24	Daily estimates of the tropospheric aerosol optical thickness over land surface from MSG geostationary observation. , 2011, , .		0
25	Comparison and relative quality assessment of the GLC2000, GLOBCOVER, MODIS and ECOCLIMAP land cover data sets at the African continental scale. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011, 13, 207-219.	1.4	133
26	Remote sensing of the land surface during the African Monsoon Multidisciplinary Analysis (AMMA). <i>Atmospheric Science Letters</i> , 2011, 12, 129-134.	0.8	12
27	Ecosystem mapping at the African continent scale using a hybrid clustering approach based on 1-km resolution multi-annual data from SPOT/VEGETATION. <i>Remote Sensing of Environment</i> , 2011, 115, 452-464.	4.6	26
28	The Satellite Application Facility for Land Surface Analysis. <i>International Journal of Remote Sensing</i> , 2011, 32, 2725-2744.	1.3	207
29	Land surface albedo and downwelling shortwave radiation from MSG geostationary satellite: Method for retrieval, validation, and application. , 2011, , .		0
30	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.	0.7	8
31	ECOCLIMAP-II: An ecosystem classification and land surface parameters database of Western Africa at 1km resolution for the African Monsoon Multidisciplinary Analysis (AMMA) project. <i>Remote Sensing of Environment</i> , 2010, 114, 961-976.	4.6	53
32	Daily estimates of aerosol optical thickness over land surface based on a directional and temporal analysis of SEVIRI MSG visible observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	54
33	Comparing Operational MSG/SEVIRI Land Surface Albedo Products From Land SAF With Ground Measurements and MODIS. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, 48, 1714-1728.	2.7	53
34	Utilisation de données satellitaires en hydro-météorologie : la recherche à Météo-France. <i>Houille Blanche</i> , 2010, 96, 96-102.	0.3	0
35	Land surface albedo from MSG/SEVIRI: Retrieval method, validation, and application for weather forecast. , 2009, , .		5
36	Near real-time provision of downwelling shortwave radiation estimates derived from satellite observations. <i>Meteorological Applications</i> , 2008, 15, 411-420.	0.9	98

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37	Assessing the effects of the clumping phenomenon on BRDF of a maize crop based on 3D numerical scenes using DART model. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1341-1352.	1.9	46
38	Land Surface Albedo Derived on a Daily Basis From Meteosat Second Generation Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 3841-3856.	2.7	106
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	Canada-wide foliage clumping index mapping from multiangular POLDER measurements. <i>Canadian Journal of Remote Sensing</i> , 2005, 31, 364-376.	1.1	53
41	A land cover classification product over France at 1 km resolution using SPOT4/VEGETATION data. <i>Remote Sensing of Environment</i> , 2004, 92, 52-66.	4.6	65
42	Land surface albedo retrieval via kernel-based BRDF modeling: I. Statistical inversion method and model comparison. <i>Remote Sensing of Environment</i> , 2003, 84, 100-119.	4.6	49
43	Land surface albedo retrieval via kernel-based BRDF modeling: II. An optimal design scheme for the angular sampling. <i>Remote Sensing of Environment</i> , 2003, 84, 120-142.	4.6	31
44	Multi-angular optical remote sensing for assessing vegetation structure and carbon absorption. <i>Remote Sensing of Environment</i> , 2003, 84, 516-525.	4.6	244
45	Development of an operational procedure to estimate surface albedo from the SEVIRI/MSG observing system by using POLDER BRDF measurements. <i>Remote Sensing of Environment</i> , 2003, 87, 198-214.	4.6	18
46	Development of an operational procedure to estimate surface albedo from the SEVIRI/MSG observing system by using POLDER BRDF measurements. <i>Remote Sensing of Environment</i> , 2003, 87, 215-242.	4.6	24
47	Global mapping of vegetation parameters from POLDER multiangular measurements for studies of surface-atmosphere interactions: A pragmatic method and its validation. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 6-1.	3.3	96
48	Retrieval of vegetation clumping index using hot spot signatures measured by POLDER instrument. <i>Remote Sensing of Environment</i> , 2002, 79, 84-95.	4.6	113
49	Land surface albedo from the synergistic use of polar (EPS) and geo-stationary (MSG) observing systems. <i>Remote Sensing of Environment</i> , 2002, 81, 273-289.	4.6	101
50	G-function and HOt SpoT (GHOST) reflectance model: application to multi-scale airborne POLDER measurements. <i>Remote Sensing of Environment</i> , 2001, 76, 67-80.	4.6	49
51	A Parametric Hot Spot Model for Optical Remote Sensing Applications. <i>Remote Sensing of Environment</i> , 2000, 71, 197-206.	4.6	48
52	Measurements of PAR transmittance within boreal forest stands during BOREAS. <i>Agricultural and Forest Meteorology</i> , 1999, 93, 1-6.	1.9	19
53	Spatial distribution of Sahelian land surface properties from airborne POLDER multiangular observations. <i>Journal of Geophysical Research</i> , 1999, 104, 12131-12146.	3.3	7
54	Two-Story Equations of Transmission of Solar Energy (TSETSE) in open boreal conifer tree stands. <i>Journal of Geophysical Research</i> , 1999, 104, 27869-27879.	3.3	10

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55	An interactive vegetation SVAT model tested against data from six contrasting sites. <i>Agricultural and Forest Meteorology</i> , 1998, 92, 73-95.	1.9	283
56	Transmission of solar radiation in boreal conifer forests: Measurements and models. <i>Journal of Geophysical Research</i> , 1997, 102, 29555-29566.	3.3	102
57	Retrieval of land surface parameters from airborne POLDER bidirectional reflectance distribution function during HAPEX-Sahel. <i>Journal of Geophysical Research</i> , 1997, 102, 11201-11218.	3.3	49
58	A tractable physical model of shortwave radiation interception by vegetative canopies. <i>Journal of Geophysical Research</i> , 1996, 101, 9523-9532.	3.3	34
59	Estimating PAR absorbed by vegetation from bidirectional reflectance measurements. <i>Remote Sensing of Environment</i> , 1995, 51, 375-384.	4.6	973
60	A bidirectional reflectance model of the Earth's surface for the correction of remote sensing data. <i>Journal of Geophysical Research</i> , 1992, 97, 20455-20468.	3.3	999