

# GÃ©rard Dedieu

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

5,155  
citations

117625

34  
h-index

182427

51  
g-index

64  
all docs

64  
docs citations

64  
times ranked

5844  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and temporal variability of land CO <sub>2</sub> fluxes estimated with remote sensing and analysis data over western Eurasia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 820.	1.6	15
2	VEN�S: Mission Characteristics, Final Evaluation of the First Phase and Data Production. <i>Remote Sensing</i> , 2022, 14, 3281.	4.0	6
3	Combined Use of Multi-Temporal Landsat-8 and Sentinel-2 Images for Wheat Yield Estimates at the Intra-Plot Spatial Scale. <i>Agronomy</i> , 2020, 10, 327.	3.0	17
4	Estimation and Mapping of Forest Structure Parameters from Open Access Satellite Images: Development of a Generic Method with a Study Case on Coniferous Plantation. <i>Remote Sensing</i> , 2019, 11, 1275.	4.0	42
5	On the Potentiality of UAV Multispectral Imagery to Detect Flavescence dor�e and Grapevine Trunk Diseases. <i>Remote Sensing</i> , 2019, 11, 23.	4.0	69
6	Estimation of Sunflower Yields at a Decametric Spatial Scale��A Statistical Approach Based on Multi-Temporal Satellite Images. <i>Proceedings (mdpi)</i> , 2019, 18, 7.	0.2	1
7	Estimation of Wheat Yields at the Intra-Plot Scale by Combining Multi-Temporal Landsat-8 and Sentinel-2 Images. <i>Proceedings (mdpi)</i> , 2019, 24, 14.	0.2	0
8	Estimation of Forest Parameters Combining High Resolution Radar and Optical Spaceborne Sensors. , 2019, , .		0
9	Potential of Sentinel-2 Images for Estimating of Soil Resistivity over Agricultural Fields. <i>Proceedings (mdpi)</i> , 2019, 24, 18.	0.2	0
10	Near real-time agriculture monitoring at national scale at parcel resolution: Performance assessment of the Sen2-Agri automated system in various cropping systems around the world. <i>Remote Sensing of Environment</i> , 2019, 221, 551-568.	11.0	216
11	Estimation of Forest Parameters Combining Multisensor High Resolution Remote Sensing Data. , 2018, , .		3
12	Effect of Training Class Label Noise on Classification Performances for Land Cover Mapping with Satellite Image Time Series. <i>Remote Sensing</i> , 2017, 9, 173.	4.0	145
13	Detection of Flavescence dor�e Grapevine Disease Using Unmanned Aerial Vehicle (UAV) Multispectral Imagery. <i>Remote Sensing</i> , 2017, 9, 308.	4.0	142
14	Production of a Dynamic Cropland Mask by Processing Remote Sensing Image Series at High Temporal and Spatial Resolutions. <i>Remote Sensing</i> , 2016, 8, 55.	4.0	99
15	Extracting Soil Water Holding Capacity Parameters of a Distributed Agro-Hydrological Model from High Resolution Optical Satellite Observations Series. <i>Remote Sensing</i> , 2016, 8, 154.	4.0	16
16	Assessing the robustness of Random Forests to map land cover with high resolution satellite image time series over large areas. <i>Remote Sensing of Environment</i> , 2016, 187, 156-168.	11.0	397
17	A Multi-Temporal and Multi-Spectral Method to Estimate Aerosol Optical Thickness over Land, for the Atmospheric Correction of FormoSat-2, LandSat, VEN�S and Sentinel-2 Images. <i>Remote Sensing</i> , 2015, 7, 2668-2691.	4.0	219
18	Assessment of an Operational System for Crop Type Map Production Using High Temporal and Spatial Resolution Satellite Optical Imagery. <i>Remote Sensing</i> , 2015, 7, 12356-12379.	4.0	262

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19	Building a Data Set over 12 Globally Distributed Sites to Support the Development of Agriculture Monitoring Applications with Sentinel-2. <i>Remote Sensing</i> , 2015, 7, 16062-16090.	4.0	47
20	Discrete Anisotropic Radiative Transfer (DART 5) for Modeling Airborne and Satellite Spectroradiometer and LIDAR Acquisitions of Natural and Urban Landscapes. <i>Remote Sensing</i> , 2015, 7, 1667-1701.	4.0	234
21	Agro-hydrology and multi-temporal high-resolution remote sensing: toward an explicit spatial processes calibration. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5219-5237.	4.9	13
22	The MISTIGRI thermal infrared project: scientific objectives and mission specifications. <i>International Journal of Remote Sensing</i> , 2013, 34, 3437-3466.	2.9	52
23	Crop mapping by supervised classification of high resolution optical image time series using prior knowledge about crop rotation and topography. , 2013, , .		0
24	Multi-temporal remote sensing image segmentation of croplands constrained by a topographical database. , 2012, , .		5
25	Maize and sunflower biomass estimation in southwest France using high spatial and temporal resolution remote sensing data. <i>Remote Sensing of Environment</i> , 2012, 124, 844-857.	11.0	213
26	Fusion of multi-temporal high resolution optical image series and crop rotation information for land-cover map production. , 2012, , .		1
27	A framework for the simulation of high temporal resolution image series. , 2011, , .		2
28	An Analytical Model of Evaporation Efficiency for Unsaturated Soil Surfaces with an Arbitrary Thickness. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 457-471.	1.5	41
29	A multi-temporal method for cloud detection, applied to FORMOSAT-2, VENÛS, LANDSAT and SENTINEL-2 images. <i>Remote Sensing of Environment</i> , 2010, 114, 1747-1755.	11.0	345
30	Disaggregation of MODIS surface temperature over an agricultural area using a time series of Formosat-2 images. <i>Remote Sensing of Environment</i> , 2010, 114, 2500-2512.	11.0	147
31	Combined use of FORMOSAT-2 images with a crop model for biomass and water monitoring of permanent grassland in Mediterranean region. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1731-1744.	4.9	38
32	VENÛS (Vegetation and environment monitoring on a new micro satellite). , 2010, , .		9
33	VENÛS (Vegetation and Environment Monitoring on a New Micro Satellite). , 2010, , 47-65.		2
34	Carbon balance of a three crop succession over two cropland sites in South West France. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1628-1645.	4.8	178
35	Combined use of optical and radar satellite data for the detection of tillage and irrigation operations: Case study in Central Morocco. <i>Agricultural Water Management</i> , 2009, 96, 1120-1127.	5.6	33
36	Spatialising Crop Models. , 2009, , 687-705.		7

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37	Correction of aerosol effects on multi-temporal images acquired with constant viewing angles: Application to Formosat-2 images. Remote Sensing of Environment, 2008, 112, 1689-1701.	11.0	119
38	Estimation of leaf area and clumping indexes of crops with hemispherical photographs. Agricultural and Forest Meteorology, 2008, 148, 644-655.	4.8	200
39	Relative Radiometric Normalization and Atmospheric Correction of a SPOT 5 Time Series. Sensors, 2008, 8, 2774-2791.	3.8	89
40	The GLOBCARBON initiative global biophysical products for terrestrial carbon studies. , 2007, , .		8
41	VEN��S (vegetation and environment monitoring on a new micro satellite) image quality. , 2007, 6677, 506.		0
42	SMOSREX: A long term field campaign experiment for soil moisture and land surface processes remote sensing. Remote Sensing of Environment, 2006, 102, 377-389.	11.0	167
43	Spatialising crop models. Agronomy for Sustainable Development, 2004, 24, 205-217.	0.8	78
44	Impact of doubled CO2 on global-scale leaf area index and evapotranspiration: Conflicting stomatal conductance and LAI responses. Journal of Geophysical Research, 2002, 107, ACL 30-1.	3.3	79
45	Normalisation of directional effects in 10-day global syntheses derived from VEGETATION/SPOT:. Remote Sensing of Environment, 2002, 81, 101-113.	11.0	52
46	Spatial and temporal variability of land CO2 fluxes estimated with remote sensing and analysis data over western Eurasia. Tellus, Series B: Chemical and Physical Meteorology, 2002, 54, 820-833.	1.6	37
47	Calibration of a coupled canopy functioning and SVAT model in the ReSeDA experiment. Towards the assimilation of SPOT/HRV observations into the model. Agronomy for Sustainable Development, 2002, 22, 681-686.	0.8	13
48	Satellite-Derived Surface Radiation Budget over the African Continent. Part I: Estimation of Downward Solar Irradiance and Albedo. Journal of Climate, 2001, 14, 45-58.	3.2	18
49	Preface paper to the Semi-Arid Land-Surface-Atmosphere (SALSA) Program special issue. Agricultural and Forest Meteorology, 2000, 105, 3-20.	4.8	55
50	A preliminary synthesis of major scientific results during the SALSA program. Agricultural and Forest Meteorology, 2000, 105, 311-323.	4.8	32
51	Methods to aggregate turbulent fluxes over heterogeneous surfaces: application to SALSA data set in Mexico. Agricultural and Forest Meteorology, 2000, 105, 133-144.	4.8	39
52	Estimation of heat and momentum fluxes over complex terrain using a large aperture scintillometer. Agricultural and Forest Meteorology, 2000, 105, 215-226.	4.8	66
53	Grassland modeling and monitoring with SPOT-4 VEGETATION instrument during the 1997��1999 SALSA experiment. Agricultural and Forest Meteorology, 2000, 105, 91-115.	4.8	70
54	Spatial and temporal dynamics of vegetation in the San Pedro River basin area. Agricultural and Forest Meteorology, 2000, 105, 55-68.	4.8	148

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55	Prototyping of MODIS LAI and FPAR algorithm with LASUR and LANDSAT data. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 2387-2401.	6.3	99
56	Estimation of area-average sensible heat flux using a large-aperture scintillometer during the Semi-Arid Land-Surface-Atmosphere (SALSA) Experiment. Water Resources Research, 1999, 35, 2505-2511.	4.2	36
57	Global-Scale Assessment of Vegetation Phenology Using NOAA/AVHRR Satellite Measurements. Journal of Climate, 1997, 10, 1154-1170.	3.2	317
58	TURC: A diagnostic model of continental gross primary productivity and net primary productivity. Global Biogeochemical Cycles, 1996, 10, 269-285.	4.9	245
59	Satellite measurements as a constraint on estimates of vegetation carbon budget. Tellus, Series B: Chemical and Physical Meteorology, 1995, 47, 251-263.	1.6	6
60	Normalization of sun/view angle effects using spectral albedo-based vegetation indices. Remote Sensing of Environment, 1995, 52, 207-217.	11.0	62
61	Biophysical parameter estimations using multidirectional spectral measurements. Remote Sensing of Environment, 1995, 54, 71-83.	11.0	53
62	Temporal variations in satellite reflectances at field and regional scales compared with values simulated by linking crop growth and SAIL models. Remote Sensing of Environment, 1995, 54, 261-272.	11.0	31
63	Radiation exchanges above West African moist savannas: Seasonal patterns and comparison with a GCM simulation. Journal of Geophysical Research, 1994, 99, 25857.	3.3	19
64	Comments on "Surface Albedo over the Sahel from METEOSAT Radiances", Journal of Climate and Applied Meteorology, 1986, 25, 575-576.	1.0	1