

# Luis Guanter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6409993/publications.pdf>

Version: 2024-02-01

152  
papers

14,791  
citations

18436

62  
h-index

18606

119  
g-index

178  
all docs

178  
docs citations

178  
times ranked

9047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellites Detect Abatable Super-Emissions in One of the World's Largest Methane Hotspot Regions. Environmental Science & Technology, 2022, 56, 2143-2152.	4.6	40
2	Glacier Ice Surface Properties in South-West Greenland Ice Sheet: First Estimates From PRISMA Imaging Spectroscopy Data. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	13
3	Mapping methane plumes at very high spatial resolution with the WorldView-3 satellite. Atmospheric Measurement Techniques, 2022, 15, 1657-1674.	1.2	28
4	Special issue on remote sensing of greenhouse gas emissions. Remote Sensing of Environment, 2022, 277, 113069.	4.6	1
5	Satellites Detect a Methane Ultra-emission Event from an Offshore Platform in the Gulf of Mexico. Environmental Science and Technology Letters, 2022, 9, 520-525.	3.9	25
6	A unified vegetation index for quantifying the terrestrial biosphere. Science Advances, 2021, 7, .	4.7	160
7	The EnMAP Satellite "Data Product Validation Activities. , 2021, , .		2
8	Satellite-based survey of extreme methane emissions in the Permian basin. Science Advances, 2021, 7, .	4.7	66
9	The PRISMA imaging spectroscopy mission: overview and first performance analysis. Remote Sensing of Environment, 2021, 262, 112499.	4.6	121
10	Assessing the radiometric impact of the Sentinel 2 orthorectification process. , 2021, , .		1
11	Optimal estimation of snow and ice surface parameters from imaging spectroscopy measurements. Remote Sensing of Environment, 2021, 264, 112613.	4.6	11
12	Mapping methane point emissions with the PRISMA spaceborne imaging spectrometer. Remote Sensing of Environment, 2021, 265, 112671.	4.6	59
13	The EnMAP Satellite - Mission Status and Science Preparatory Activities. , 2021, , .		1
14	The TROPOSIF global sun-induced fluorescence dataset from the Sentinel-5P TROPOMI mission. Earth System Science Data, 2021, 13, 5423-5440.	3.7	54
15	Estimating and understanding crop yields with explainable deep learning in the Indian Wheat Belt. Environmental Research Letters, 2020, 15, 024019.	2.2	104
16	Sun-induced fluorescence closely linked to ecosystem transpiration as evidenced by satellite data and radiative transfer models. Remote Sensing of Environment, 2020, 249, 112030.	4.6	35
17	Assessing bi-directional effects on the diurnal cycle of measured solar-induced chlorophyll fluorescence in crop canopies. Agricultural and Forest Meteorology, 2020, 295, 108147.	1.9	43
18	Systematic Orbital Geometry-Dependent Variations in Satellite Solar-Induced Fluorescence (SIF) Retrievals. Remote Sensing, 2020, 12, 2346.	1.8	25

#	ARTICLE	IF	CITATIONS
19	Reduction of structural impacts and distinction of photosynthetic pathways in a global estimation of GPP from space-borne solar-induced chlorophyll fluorescence. <i>Remote Sensing of Environment</i> , 2020, 240, 111722.	4.6	83
20	Coupled retrieval of the three phases of water from spaceborne imaging spectroscopy measurements. <i>Remote Sensing of Environment</i> , 2020, 242, 111708.	4.6	9
21	Systematic Assessment of Retrieval Methods for Canopy Far-Red Solar-Induced Chlorophyll Fluorescence Using High-Frequency Automated Field Spectroscopy. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005533.	1.3	47
22	A spatially downscaled sun-induced fluorescence global product for enhanced monitoring of vegetation productivity. <i>Earth System Science Data</i> , 2020, 12, 1101-1116.	3.7	52
23	The Enmap German Spaceborne Imaging Spectroscopy Mission: Update and Highlights of Recent Preparatory Activities. , 2020, , .		3
24	Downscaling of solar-induced chlorophyll fluorescence from canopy level to photosystem level using a random forest model. <i>Remote Sensing of Environment</i> , 2019, 231, 110772.	4.6	109
25	Retrieval of Atmospheric Parameters and Surface Reflectance from Visible and Shortwave Infrared Imaging Spectroscopy Data. <i>Surveys in Geophysics</i> , 2019, 40, 333-360.	2.1	36
26	Synergies of Spaceborne Imaging Spectroscopy with Other Remote Sensing Approaches. <i>Surveys in Geophysics</i> , 2019, 40, 657-687.	2.1	10
27	Remote sensing of solar-induced chlorophyll fluorescence (SIF) in vegetation: 50 years of progress. <i>Remote Sensing of Environment</i> , 2019, 231, 111177.	4.6	372
28	From Canopy-Leaving to Total Canopy Far-Red Fluorescence Emission for Remote Sensing of Photosynthesis: First Results From TROPOMI. <i>Geophysical Research Letters</i> , 2019, 46, 12030-12040.	1.5	59
29	Differences Between OCO-2 and GOME-2 SIF Products From a Model-Data Fusion Perspective. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3143-3157.	1.3	17
30	Remote sensing of the terrestrial carbon cycle: A review of advances over 50 years. <i>Remote Sensing of Environment</i> , 2019, 233, 111383.	4.6	276
31	Satellite Observations of the Contrasting Response of Trees and Grasses to Variations in Water Availability. <i>Geophysical Research Letters</i> , 2019, 46, 1429-1440.	1.5	61
32	Modeling canopy conductance and transpiration from solar-induced chlorophyll fluorescence. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 189-201.	1.9	60
33	Guest Editorial: International Space Science Institute (ISSI) Workshop on Space-Borne Imaging Spectroscopy for Exploring the Earth's Ecosystems. <i>Surveys in Geophysics</i> , 2019, 40, 297-301.	2.1	2
34	Sun-Induced Chlorophyll Fluorescence III: Benchmarking Retrieval Methods and Sensor Characteristics for Proximal Sensing. <i>Remote Sensing</i> , 2019, 11, 962.	1.8	57
35	Estimating crop primary productivity with Sentinel-2 and Landsat 8 using machine learning methods trained with radiative transfer simulations. <i>Remote Sensing of Environment</i> , 2019, 225, 441-457.	4.6	112
36	3D hyperspectral point cloud generation: Fusing airborne laser scanning and hyperspectral imaging sensors for improved object-based information extraction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 149, 200-214.	4.9	23

#	ARTICLE	IF	CITATIONS
37	The High-Performance Airborne Imaging Spectrometer HyPlantâ€”From Raw Images to Top-of-Canopy Reflectance and Fluorescence Products: Introduction of an Automatized Processing Chain. Remote Sensing, 2019, 11, 2760.	1.8	53
38	A Coupled Retrieval Of Columnar Water Vapor and Canopy Water Content From Spaceborne Hyperspectral Measurements. , 2019, , .		1
39	The EnMAP Mission: From Observation Request to Data Delivery. , 2019, , .		3
40	Potential of next-generation imaging spectrometers to detect and quantify methane point sources from space. Atmospheric Measurement Techniques, 2019, 12, 5655-5668.	1.2	58
41	Assessment of the 1.75â€”m absorption feature for gypsum estimation using laboratory, air- and spaceborne hyperspectral sensors. International Journal of Applied Earth Observation and Geoinformation, 2019, 77, 69-83.	1.4	5
42	Variability of sunâ€”induced chlorophyll fluorescence according to stand ageâ€”related processes in a managed loblolly pine forest. Global Change Biology, 2018, 24, 2980-2996.	4.2	29
43	Spatially-explicit monitoring of crop photosynthetic capacity through the use of space-based chlorophyll fluorescence data. Remote Sensing of Environment, 2018, 210, 362-374.	4.6	69
44	Strong constraint on modelled global carbon uptake using solar-induced chlorophyll fluorescence data. Scientific Reports, 2018, 8, 1973.	1.6	69
45	Overview of Solar-Induced chlorophyll Fluorescence (SIF) from the Orbiting Carbon Observatory-2: Retrieval, cross-mission comparison, and global monitoring for GPP. Remote Sensing of Environment, 2018, 209, 808-823.	4.6	305
46	Assessing the potential of sun-induced fluorescence and the canopy scattering coefficient to track large-scale vegetation dynamics in Amazon forests. Remote Sensing of Environment, 2018, 204, 769-785.	4.6	81
47	On the relationship between sub-daily instantaneous and daily total gross primary production: Implications for interpreting satellite-based SIF retrievals. Remote Sensing of Environment, 2018, 205, 276-289.	4.6	91
48	Engeomap and Ensomap: Software Interfaces for Mineral and Soil Mapping under Development in the Frame of the Enmap Mission. , 2018, , .		2
49	The Imaging Spectroscopy Mission Enmapâ€”Its Status and Expected Products. , 2018, , .		1
50	The Enmap German Imaging Spectroscopy Mission: Status and Summary of Preparatory Activities. , 2018, , .		1
51	Assessing the dynamics of vegetation productivity in circumpolar regions with different satellite indicators of greenness and photosynthesis. Biogeosciences, 2018, 15, 6221-6256.	1.3	28
52	Assessing the Use of Multiple Constraints and Ancillary Data to Support Scope Model Inversion in a Experimental Grassland. , 2018, , .		0
53	Physically Based Data Fusion Between Airborne Lidar and Hyperspectral Data: Geometric and Radiometric Synergies. , 2018, , .		0
54	Global Retrievals of Solarâ€”Induced Chlorophyll Fluorescence With TROPOMI: First Results and Intersensor Comparison to OCOâ€”2. Geophysical Research Letters, 2018, 45, 10456-10463.	1.5	242

#	ARTICLE	IF	CITATIONS
55	Satellite sun-induced chlorophyll fluorescence detects early response of winter wheat to heat stress in the Indian Indo-Gangetic Plains. <i>Global Change Biology</i> , 2018, 24, 4023-4037.	4.2	152
56	Hyperspectral and Lidar Intensity Data Fusion: A Framework for the Rigorous Correction of Illumination, Anisotropic Effects, and Cross Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 2799-2810.	2.7	40
57	OCO-2 advances photosynthesis observation from space via solar-induced chlorophyll fluorescence. <i>Science</i> , 2017, 358, .	6.0	438
58	Artificially lit surface of Earth at night increasing in radiance and extent. <i>Science Advances</i> , 2017, 3, e1701528.	4.7	560
59	Modelling sun-induced fluorescence and photosynthesis with a land surface model at local and regional scales in northern Europe. <i>Biogeosciences</i> , 2017, 14, 1969-1987.	1.3	40
60	The 2013 FLEX US Airborne Campaign at the Parker Tract Loblolly Pine Plantation in North Carolina, USA. <i>Remote Sensing</i> , 2017, 9, 612.	1.8	27
61	Preparatory activities for the German spaceborne imaging spectrometer mission EnMAP. , 2017, , .		0
62	Reviews and syntheses: Systematic Earth observations for use in terrestrial carbon cycle data assimilation systems. <i>Biogeosciences</i> , 2017, 14, 3401-3429.	1.3	49
63	New methods for the retrieval of chlorophyll red fluorescence from hyperspectral satellite instruments: simulations and application to GOME-2 and SCIAMACHY. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3939-3967.	1.2	180
64	Ready-to-Use Methods for the Detection of Clouds, Cirrus, Snow, Shadow, Water and Clear Sky Pixels in Sentinel-2 MSI Images. <i>Remote Sensing</i> , 2016, 8, 666.	1.8	130
65	Space-based remote imaging spectroscopy of the Aliso Canyon CH <sub>4</sub> superemitter. <i>Geophysical Research Letters</i> , 2016, 43, 6571-6578.	1.5	76
66	Satellite chlorophyll fluorescence measurements reveal large-scale decoupling of photosynthesis and greenness dynamics in boreal evergreen forests. <i>Global Change Biology</i> , 2016, 22, 2979-2996.	4.2	225
67	Overview of the EnMAP imaging spectroscopy mission. , 2016, , .		4
68	Recent advances in global monitoring of terrestrial sun-induced chlorophyll fluorescence. , 2016, , .		5
69	Drought rapidly diminishes the large net CO <sub>2</sub> uptake in 2011 over semi-arid Australia. <i>Scientific Reports</i> , 2016, 6, 37747.	1.6	83
70	Can we retrieve vegetation photosynthetic capacity parameter from solar-induced fluorescence?. , 2016, , .		3
71	Precipitation and carbon-water coupling jointly control the interannual variability of global land gross primary production. <i>Scientific Reports</i> , 2016, 6, 39748.	1.6	57
72	Rare earth element detection from near-field to space - samarium detection using the REEMAP algorithm. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
73	Consistency between sun-induced chlorophyll fluorescence and gross primary production of vegetation in North America. <i>Remote Sensing of Environment</i> , 2016, 183, 154-169.	4.6	180
74	Model-based analysis of the relationship between sun-induced chlorophyll fluorescence and gross primary production for remote sensing applications. <i>Remote Sensing of Environment</i> , 2016, 187, 145-155.	4.6	185
75	Improving the monitoring of crop productivity using spaceborne solar-induced fluorescence. <i>Global Change Biology</i> , 2016, 22, 716-726.	4.2	240
76	Improving Sensor Fusion: A Parametric Method for the Geometric Coalignment of Airborne Hyperspectral and Lidar Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 3460-3474.	2.7	29
77	Red and far red Sun-induced chlorophyll fluorescence as a measure of plant photosynthesis. <i>Geophysical Research Letters</i> , 2015, 42, 1632-1639.	1.5	171
78	Simulations of chlorophyll fluorescence incorporated into the Community Land Model version 4. <i>Global Change Biology</i> , 2015, 21, 3469-3477.	4.2	95
79	Sun-induced fluorescence "a new probe of photosynthesis: First maps from the imaging spectrometer HyPlant". <i>Global Change Biology</i> , 2015, 21, 4673-4684.	4.2	213
80	Anomalous carbon uptake in Australia as seen by GOSAT. <i>Geophysical Research Letters</i> , 2015, 42, 8177-8184.	1.5	45
81	A linear method for the retrieval of sun-induced chlorophyll fluorescence from GOME-2 and SCIAMACHY data. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2589-2608.	1.2	206
82	The EnMAP Spaceborne Imaging Spectroscopy Mission for Earth Observation. <i>Remote Sensing</i> , 2015, 7, 8830-8857.	1.8	529
83	EnMAP radiometric inflight calibration, post-launch product validation, and instrument characterization activities. , 2015, , .		1
84	S2eteS: An End-to-End Modeling Tool for the Simulation of Sentinel-2 Image Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 5560-5571.	2.7	37
85	Potential of the TROPOspheric Monitoring Instrument (TROPOMI) onboard the Sentinel-5 Precursor for the monitoring of terrestrial chlorophyll fluorescence. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1337-1352.	1.2	152
86	Far-red sun-induced chlorophyll fluorescence shows ecosystem-specific relationships to gross primary production: An assessment based on observational and modeling approaches. <i>Remote Sensing of Environment</i> , 2015, 166, 91-105.	4.6	263
87	Simplified physically based retrieval of sun-induced chlorophyll fluorescence from GOSAT data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1446-1450.	1.4	30
88	Impact of varying irradiance on vegetation indices and chlorophyll fluorescence derived from spectroscopy data. <i>Remote Sensing of Environment</i> , 2015, 156, 202-215.	4.6	98
89	Remote sensing of sun-induced chlorophyll fluorescence at different scales. , 2014, , .		0
90	Reduction of Uncorrelated Striping Noise"Applications for Hyperspectral Pushbroom Acquisitions. <i>Remote Sensing</i> , 2014, 6, 11082-11106.	1.8	34

#	ARTICLE	IF	CITATIONS
91	Reply to Magnani et al.: Linking large-scale chlorophyll fluorescence observations with cropland gross primary production. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2511.	3.3	11
92	Estimation of vegetation photosynthetic capacity from space-based measurements of chlorophyll fluorescence for terrestrial biosphere models. Global Change Biology, 2014, 20, 3727-3742.	4.2	260
93	FLD-based retrieval of sun-induced chlorophyll fluorescence from medium spectral resolution airborne spectroscopy data. Remote Sensing of Environment, 2014, 147, 256-266.	4.6	78
94	Agricultural Green Revolution as a driver of increasing atmospheric CO2 seasonal amplitude. Nature, 2014, 515, 394-397.	13.7	152
95	Global and time-resolved monitoring of crop photosynthesis with chlorophyll fluorescence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1327-33.	3.3	741
96	The seasonal cycle of satellite chlorophyll fluorescence observations and its relationship to vegetation phenology and ecosystem atmosphere carbon exchange. Remote Sensing of Environment, 2014, 152, 375-391.	4.6	287
97	Prospects for chlorophyll fluorescence remote sensing from the Orbiting Carbon Observatory-2. Remote Sensing of Environment, 2014, 147, 1-12.	4.6	361
98	Multitemporal fusion of Landsat/TM and ENVISAT/MERIS for crop monitoring. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 132-141.	1.4	125
99	Using field spectroscopy to assess the potential of statistical approaches for the retrieval of sun-induced chlorophyll fluorescence from ground and space. Remote Sensing of Environment, 2013, 133, 52-61.	4.6	121
100	Global monitoring of terrestrial chlorophyll fluorescence from moderate-spectral-resolution near-infrared satellite measurements: methodology, simulations, and application to GOME-2. Atmospheric Measurement Techniques, 2013, 6, 2803-2823.	1.2	480
101	Forest productivity and water stress in Amazonia: observations from GOSAT chlorophyll fluorescence. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130171.	1.2	245
102	Remote sensing of near-infrared chlorophyll fluorescence from space in scattering atmospheres: implications for its retrieval and interferences with atmospheric CO <sub>2</sub> retrievals. Atmospheric Measurement Techniques, 2012, 5, 2081-2094.	1.2	121
103	The ESA globAlbedo project: Algorithm. , 2012, , .		11
104	Nonlinear Statistical Retrieval of Atmospheric Profiles From MetOp-IASI and MTC-IRS Infrared Sounding Data. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1759-1769.	2.7	50
105	EteSâ€™The EnMAP End-to-End Simulation Tool. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 522-530.	2.3	109
106	Retrieval and global assessment of terrestrial chlorophyll fluorescence from GOSAT space measurements. Remote Sensing of Environment, 2012, 121, 236-251.	4.6	436
107	Multitemporal Unmixing of Medium-Spatial-Resolution Satellite Images: A Case Study Using MERIS Images for Land-Cover Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4308-4317.	2.7	45
108	Performance assessment of onboard and scene-based methods for Airborne Prism Experiment spectral characterization. Applied Optics, 2011, 50, 4755.	2.1	16

#	ARTICLE	IF	CITATIONS
109	Regularized Multiresolution Spatial Unmixing for ENVISAT/MERIS and Landsat/TM Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 844-848.	1.4	35
110	Gridding Artifacts on Medium-Resolution Satellite Image Time Series: MERIS Case Study. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2601-2611.	2.7	21
111	SpecCal: Novel software for in-field spectral characterization of high-resolution spectrometers. Computers and Geosciences, 2011, 37, 1685-1691.	2.0	11
112	Multitemporal fusion of Landsat and MERIS images. , 2011, , .		2
113	Cuidados enfermeros en Cuidados Paliativos: Análisis, consensos y retos. Index De Enfermeria, 2011, 20, 71-75.	0.2	12
114	Nonlinear retrieval of atmospheric profiles from MetOp-IASI and MTC-IRS data. , 2010, , .		2
115	Simulation of Spatial Sensor Characteristics in the Context of the EnMAP Hyperspectral Mission. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3046-3054.	2.7	48
116	Performance of Spectral Fitting Methods for vegetation fluorescence quantification. Remote Sensing of Environment, 2010, 114, 363-374.	4.6	154
117	Atmospheric correction of ENVISAT/MERIS data over inland waters: Validation for European lakes. Remote Sensing of Environment, 2010, 114, 467-480.	4.6	103
118	Multi-resolution spatial unmixing for MERIS and Landsat image fusion. , 2010, , .		5
119	The processing chain and Cal/Val operations of the future hyperspectral satellite mission EnMAP. , 2010, , .		11
120	Developments for vegetation fluorescence retrieval from spaceborne high-resolution spectrometry in the O <sub>2</sub> -A and O <sub>2</sub> -B absorption bands. Journal of Geophysical Research, 2010, 115, .	3.3	92
121	Characterization of fine resolution field spectrometers using solar Fraunhofer lines and atmospheric absorption features. Applied Optics, 2010, 49, 2858.	2.1	34
122	CHRIS/Proba Toolbox for hyperspectral and multiangular data exploitations. , 2009, , .		6
123	Comparison Between Fractional Vegetation Cover Retrievals from Vegetation Indices and Spectral Mixture Analysis: Case Study of PROBA/CHRIS Data Over an Agricultural Area. Sensors, 2009, 9, 768-793.	2.1	134
124	Remote sensing of solar-induced chlorophyll fluorescence: Review of methods and applications. Remote Sensing of Environment, 2009, 113, 2037-2051.	4.6	640
125	Scene-based spectral calibration assessment of high spectral resolution imaging spectrometers. Optics Express, 2009, 17, 11594.	1.7	49
126	On the application of the MODTRAN4 atmospheric radiative transfer code to optical remote sensing. International Journal of Remote Sensing, 2009, 30, 1407-1424.	1.3	117



#	ARTICLE	IF	CITATIONS
127	CEFLES2: the remote sensing component to quantify photosynthetic efficiency from the leaf to the region by measuring sun-induced fluorescence in the oxygen absorption bands. Biogeosciences, 2009, 6, 1181-1198.	1.3	115
128	Simulation of Optical Remote-Sensing Scenes With Application to the EnMAP Hyperspectral Mission. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2340-2351.	2.7	91
129	Thermal remote sensing from Airborne Hyperspectral Scanner data in the framework of the SPARC and SEN2FLEX projects: an overview. Hydrology and Earth System Sciences, 2009, 13, 2031-2037.	1.9	25
130	Scene-based spectral calibration assessment of high spectral resolution imaging spectrometers. Optics Express, 2009, 17, 11603.	1.7	1
131	Coupled retrieval of aerosol optical thickness, columnar water vapor and surface reflectance maps from ENVISAT/MERIS data over land. Remote Sensing of Environment, 2008, 112, 2898-2913.	4.6	60
132	Land Surface Emissivity Retrieval From Different VNIR and TIR Sensors. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 316-327.	2.7	518
133	Improved Fraunhofer Line Discrimination Method for Vegetation Fluorescence Quantification. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 620-624.	1.4	158
134	Characterization of the atmosphere during SEN2FLEX 2005 field campaign. Journal of Geophysical Research, 2008, 113, .	3.3	5
135	Correction of systematic spatial noise in push-broom hyperspectral sensors: application to CHRIS/PROBA images. Applied Optics, 2008, 47, F46.	2.1	78
136	Environmental Mapping and Analysis Program (EnMAP) - Recent Advances and Status. , 2008, , .		28
137	Sensitivity analysis of the fraunhofer line discrimination method for the measurement of chlorophyll fluorescence using a field spectroradiometer. , 2007, , .		15
138	Remote sensing of chlorophyll fluorescence for estimation of stress in vegetation. recommendations for future missions. , 2007, , .		3
139	Cloud-Screening Algorithm for ENVISAT/MERIS Multispectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 4105-4118.	2.7	125
140	A method for the atmospheric correction of ENVISAT/MERIS data over land targets. International Journal of Remote Sensing, 2007, 28, 709-728.	1.3	63
141	Estimation of solar-induced vegetation fluorescence from space measurements. Geophysical Research Letters, 2007, 34, .	1.5	118
142	Spectral calibration and atmospheric correction of ultra-fine spectral and spatial resolution remote sensing data. Application to CASI-1500 data. Remote Sensing of Environment, 2007, 109, 54-65.	4.6	75
143	Nanogoniometry with Scanning Force Microscopy: A Model Study of CdTe Thin Films. Small, 2007, 3, 474-480.	5.2	5
144	Atmospheric Components Determination From Ground-Level Measurements During the Spectra Barax Campaigns (SPARC) Field Campaigns. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2778-2793.	2.7	4

#	ARTICLE	IF	CITATIONS
145	Spectral calibration of hyperspectral imagery using atmospheric absorption features. Applied Optics, 2006, 45, 2360.	2.1	106
146	Modelling spatial and spectral systematic noise patterns on CHRIS/PROBA hyperspectral data. , 2006, , .		2
147	New Cloud Detection Algorithm for Multispectral and Hyperspectral Images: Application to ENVISAT/MERIS and PROBA/CHRIS Sensors. , 2006, , .		14
148	A method for the surface reflectance retrieval from PROBA/CHRIS data over land: application to ESA SPARC campaigns. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2908-2917.	2.7	90
149	Cloud detection for CHRIS/Proba hyperspectral images. , 2005, , .		9
150	First Results From the PROBA/CHRIS Hyperspectral/Multiangular Satellite System Over Land and Water Targets. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 250-254.	1.4	30
151	Atmospheric correction algorithm for multiangular satellite measurements in the solar spectrum. , 2004, , .		2
152	On the experimental values of the water surface tension used in some textbooks. American Journal of Physics, 2002, 70, 705-709.	0.3	21