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List of Publications by Year
in descending order

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65 papers	2,509 citations	361413 20 h-index	243625 44 g-index
67 all docs	67 docs citations	67 times ranked	2478 citing authors

#	Article	IF	Citations
1	About the Transferability of Topographic Correction Methods From Spaceborne to Airborne Optical Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1348-1362.	4.9	8
2	Assessing the impact of illumination on UAV pushbroom hyperspectral imagery collected under various cloud cover conditions. Remote Sensing of Environment, 2021, 258, 112396.	11.0	39
3	A Kernel-Driven BRDF Approach to Correct Airborne Hyperspectral Imagery over Forested Areas with Rugged Topography. Remote Sensing, 2020, 12, 432.	4.0	29
4	Elevation-Dependent Removal of Cirrus Clouds in Satellite Imagery. Remote Sensing, 2020, 12, 494.	4.0	5
5	Retrieval of Atmospheric Parameters and Surface Reflectance from Visible and Shortwave Infrared Imaging Spectroscopy Data. Surveys in Geophysics, 2019, 40, 333-360.	4.6	36
6	Solar Influence on Fire Radiative Power Retrieved With the Bispectral Method. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4521-4528.	6.3	3
7	Across Date Species Detection Using Airborne Imaging Spectroscopy. Remote Sensing, 2019, 11, 789.	4.0	15
8	Advancing retrievals of surface reflectance and vegetation indices over forest ecosystems by combining imaging spectroscopy, digital object models, and 3D canopy modelling. Remote Sensing of Environment, 2018, 204, 583-595.	11.0	18
9	Cast Shadow Detection to Quantify the Aerosol Optical Thickness for Atmospheric Correction of High Spatial Resolution Optical Imagery. Remote Sensing, 2018, 10, 200.	4.0	18
10	APDA Water Vapor Retrieval Validation for Sentinel-2 Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 227-231.	3.1	13
11	Field and Airborne Spectroscopy Cross Validationâ€"Some Considerations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1117-1135.	4.9	43
12	Combined Haze and Cirrus Removal for Multispectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	3.1	20
13	Minimizing Reflectance Anisotropy Effects in Airborne Spectroscopy Data Using Rossâ€"Li Model Inversion With Continuous Field Land Cover Stratification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5814-5823.	6.3	15
14	Advanced radiometry measurements and Earth science applications with the Airborne Prism Experiment (APEX). Remote Sensing of Environment, 2015, 158, 207-219.	11.0	154
15	Operational BRDF Effects Correction for Wide-Field-of-View Optical Scanners (BREFCOR). IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1855-1864.	6.3	56
16	Impact of varying irradiance on vegetation indices and chlorophyll fluorescence derived from spectroscopy data. Remote Sensing of Environment, 2015, 156, 202-215.	11.0	98
17	Evaluation of brefcor BRDF effects correction for HYSPEX, CASI, and APEX imaging spectroscopy data. , 2014, , .		4
18	Correction of ozone influence on TOA radiance. International Journal of Remote Sensing, 2014, 35, 8044-8056.	2.9	9

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19	Aspects of atmospheric and topographic correction of high spatial resolution imagery. , 2012, , .		1
20	Assessment of Radiometric Correction Methods for ADS40 Imagery. Photogrammetrie, Fernerkundung, Geoinformation, 2012, 2012, 251-266.	1.2	11
21	Correction of cirrus effects in Sentinel-2 type of imagery. International Journal of Remote Sensing, 2011, 32, 2931-2941.	2.9	34
22	Performance assessment of onboard and scene-based methods for Airborne Prism Experiment spectral characterization. Applied Optics, 2011, 50, 4755.	2.1	16
23	Operational Atmospheric Correction for Imaging Spectrometers Accounting for the Smile Effect. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1772-1780.	6.3	58
24	APEX - current status, performance and validation concept. , 2010, , .		21
25	Digital Airborne Photogrammetryâ€"A New Tool for Quantitative Remote Sensing?â€"A State-of-the-Art Review On Radiometric Aspects of Digital Photogrammetric Images. Remote Sensing, 2009, 1, 577-605.	4.0	82
26	Reply to: â€˜Error propagation in atmospheric correction due to azimuthal angle simplification of lookup tablesâ€™. International Journal of Remote Sensing, 2009, 30, 283-283.	2.9	0
27	Visualisation, processing and storage of spectrodirectional data based on the spectral database SPECCHIO. , 2009, , .		1
28	Structure, Components, and Interfaces of the Airborne Prism Experiment (APEX) Processing and Archiving Facility. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 29-43.	6.3	50
29	Spectral Angle Mapper (SAM) for anisotropy class indexing in imaging spectrometry data. Proceedings of SPIE, 2009, , .	0.8	13
30	Cluster versus grid for operational generation of ATCORâ€™s modtran-based look up tables. Parallel Computing, 2008, 34, 32-46.	2.1	18
31	Considerations on Water Vapor and Surface Reflectance Retrievals for a Spaceborne Imaging Spectrometer. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1958-1966.	6.3	13
32	Evaluation of the atmospheric correction procedure for the APEX level 2/3 processor. Proceedings of SPIE, 2008, , .	0.8	2
33	APEX - the Hyperspectral ESA Airborne Prism Experiment. Sensors, 2008, 8, 6235-6259.	3.8	85
34	Toward scene-based retrieval of spectral response functions for hyperspectral imagers using Fraunhofer features. Canadian Journal of Remote Sensing, 2008, 34, S43-S58.	2.4	15
35	Uniformity of Imaging Spectrometry Data Products. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3326-3336.	6.3	27
36	Sensor Performance Requirements for the Retrieval of Atmospheric Aerosols by Airborne Optical Remote Sensing. Sensors, 2008, 8, 1901-1914.	3.8	17

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37	Spatial misregistration detection for hyperspectral sensors using in-flight data. , 2007, , .		0
38	Scene-based method for spatial misregistration detection in hyperspectral imagery. Applied Optics, 2007, 46, 2803.	2.1	15
39	Spatial PSF Nonuniformity Effects in Airborne Pushbroom Imaging Spectrometry Data. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 458-468.	6.3	46
40	Scene-Based Spectral Response Function Shape Discernibility for the APEX Imaging Spectrometer. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 414-418.	3.1	13
41	An automatic atmospheric correction algorithm for visible/NIR imagery. International Journal of Remote Sensing, 2006, 27, 2077-2085.	2.9	159
42	Evaluation of Near-UV/blue Aerosol Optical Thickness Retrieval from Airborne Hyperspectral Imagery. , 2006, , .		0
43	Aerosol retrieval for APEX airborne imaging spectrometer: a preliminary analysis. , 2005, 5979, 548.		1
44	Aerosol mapping over land with imaging spectroscopy using spectral autocorrelation. International Journal of Remote Sensing, 2004, 25, 5025-5047.	2.9	7
45	MERIS/ENVISAT vicarious calibration over land. , 2004, , .		8
46	APEX: current status of the airborne dispersive pushbroom imaging spectrometer. , 2004, , .		12
47	Calibration concept for potential optical aberrations of the APEX pushbroom imaging spectrometer. , 2004, 5234, 221.		11
48	APEX: current status of the airborne dispersive pushbroom imaging spectrometer. , 2004, , .		7
49	Calibration methodology for the airborne dispersive pushbroom imaging spectrometer (APEX). , 2004, , .		5
50	Assimilation of heterogeneous calibration measurements for the APEX spectrometer. , 2004, , .		7
51	Cluster versus grid for large-volume hyperspectral image preprocessing. , 2004, 5548, 48.		3
52	SPECCHIO: a spectrum database for remote sensing applications. Computers and Geosciences, 2003, 29, 27-38.	4.2	79
53	Performance requirements for airborne imaging spectrometers. , 2002, 4480, 23.		4
54	Processing of large-volume airborne imaging spectrometer data: the APEX approach. , 2002, , .		2

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55	‹title›Geo-atmospheric processing of wide-FOV airborne imaging spectrometry data‹/title›. , 2002, , .		3
56	Geo-atmospheric processing of airborne imaging spectrometry data. Part 1: Parametric orthorectification. International Journal of Remote Sensing, 2002, 23, 2609-2630.	2.9	187
57	Modeling the noise equivalent radiance requirements of imaging spectrometers based on scientific applications. Applied Optics, 2002, 41, 5691.	2.1	18
58	Geo-atmospheric processing of airborne imaging spectrometry data. Part 2: Atmospheric/topographic correction. International Journal of Remote Sensing, 2002, 23, 2631-2649.	2.9	545
59	SPECCHIO: a Web-accessible database for the administration and storage of heterogeneous spectral data. ISPRS Journal of Photogrammetry and Remote Sensing, 2002, 57, 204-211.	11.1	9
60	Aerosol mapping over rugged heterogeneous terrain with imaging spectrometer data. , 2002, , .		9
61	SENSOR: a tool for the simulation of hyperspectral remote sensing systems. ISPRS Journal of Photogrammetry and Remote Sensing, 2001, 55, 299-312.	11.1	95
62	Calibration and Validation Concept for the Airborne PRISM Experiment (APEX). Canadian Journal of Remote Sensing, 2000, 26, 455-465.	2.4	15
63	Atmospheric Precorrected Differential Absorption Technique to Retrieve Columnar Water Vapor. Remote Sensing of Environment, 1998, 65, 353-366.	11.0	159
64	PARGE: parametric geocoding based on GCP-calibrated auxiliary data. , 1998, , .		24
65	Assessing polarization effects for the Airborne imaging spectrometer APEX. Advances in Radio Science, 0, 4, 323-328.	0.7	2