

Michael E Schaepman

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268 papers	13,148 citations	55 h-index	109 g-index
303 ext. papers	15,748 ext. citations	7.2 avg, IF	6.57 L-index

#	Paper	IF	Citations
268	Reflectance quantities in optical remote sensing—definitions and case studies. <i>Remote Sensing of Environment</i> , 2006 , 103, 27-42	13.2	849
267	Intercomparison, interpretation, and assessment of spring phenology in North America estimated from remote sensing for 1982–2006. <i>Global Change Biology</i> , 2009 , 15, 2335-2359	11.4	710
266	Proxy global assessment of land degradation. <i>Soil Use and Management</i> , 2008 , 24, 223-234	3.1	589
265	The use of remote sensing in soil and terrain mapping [A review]. <i>Geoderma</i> , 2011 , 162, 1-19	6.7	458
264	Retrieval of foliar information about plant pigment systems from high resolution spectroscopy. <i>Remote Sensing of Environment</i> , 2009 , 113, S67-S77	13.2	453
263	Analysis of monotonic greening and browning trends from global NDVI time-series. <i>Remote Sensing of Environment</i> , 2011 , 115, 692-702	13.2	401
262	A review on reflective remote sensing and data assimilation techniques for enhanced agroecosystem modeling. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2007 , 9, 165-193	7.3	381
261	Sentinels for science: Potential of Sentinel-1, -2, and -3 missions for scientific observations of ocean, cryosphere, and land. <i>Remote Sensing of Environment</i> , 2012 , 120, 91-101	13.2	305
260	Review of constituent retrieval in optically deep and complex waters from satellite imagery. <i>Remote Sensing of Environment</i> , 2012 , 118, 116-126	13.2	295
259	Trend changes in global greening and browning: contribution of short-term trends to longer-term change. <i>Global Change Biology</i> , 2012 , 18, 642-655	11.4	277
258	Earth system science related imaging spectroscopy—An assessment. <i>Remote Sensing of Environment</i> , 2009 , 113, S123-S137	13.2	276
257	Environmental science: Agree on biodiversity metrics to track from space. <i>Nature</i> , 2015 , 523, 403-5	50.4	260
256	Progress in field spectroscopy. <i>Remote Sensing of Environment</i> , 2009 , 113, S92-S109	13.2	225
255	Review of optical-based remote sensing for plant trait mapping. <i>Ecological Complexity</i> , 2013 , 15, 1-16	2.6	213
254	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	13.2	196
253	Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions. <i>Remote Sensing in Ecology and Conservation</i> , 2016 , 2, 122-131	5.3	184
252	Angular sensitivity analysis of vegetation indices derived from CHRIS/PROBA data. <i>Remote Sensing of Environment</i> , 2008 , 112, 2341-2353	13.2	183

251	The ecological forecast horizon, and examples of its uses and determinants. <i>Ecology Letters</i> , 2015 , 18, 597-611	10	174
250	Shifts in Global Vegetation Activity Trends. <i>Remote Sensing</i> , 2013 , 5, 1117-1133	5	169
249	Monitoring plant functional diversity from space. <i>Nature Plants</i> , 2016 , 2, 16024	11.5	164
248	Unmixing-Based Landsat TM and MERIS FR Data Fusion. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2008 , 5, 453-457	4.1	155
247	Strong contribution of autumn phenology to changes in satellite-derived growing season length estimates across Europe (1982-2011). <i>Global Change Biology</i> , 2014 , 20, 3457-70	11.4	154
246	Mapping functional diversity from remotely sensed morphological and physiological forest traits. <i>Nature Communications</i> , 2017 , 8, 1441	17.4	129
245	Radiative transfer modeling within a heterogeneous canopy for estimation of forest fire fuel properties. <i>Remote Sensing of Environment</i> , 2004 , 92, 332-344	13.2	126
244	Estimating canopy water content using hyperspectral remote sensing data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010 , 12, 119-125	7.3	121
243	Spectral reflectance based indices for soil organic carbon quantification. <i>Geoderma</i> , 2008 , 145, 28-36	6.7	120
242	Spatial relationship between climatologies and changes in global vegetation activity. <i>Global Change Biology</i> , 2013 , 19, 1953-64	11.4	119
241	Advanced radiometry measurements and Earth science applications with the Airborne Prism Experiment (APEX). <i>Remote Sensing of Environment</i> , 2015 , 158, 207-219	13.2	117
240	Downscaling time series of MERIS full resolution data to monitor vegetation seasonal dynamics. <i>Remote Sensing of Environment</i> , 2009 , 113, 1874-1885	13.2	114
239	Modeling the impact of spectral sensor configurations on the FLD retrieval accuracy of sun-induced chlorophyll fluorescence. <i>Remote Sensing of Environment</i> , 2011 , 115, 1882-1892	13.2	113
238	Retrieval of spruce leaf chlorophyll content from airborne image data using continuum removal and radiative transfer. <i>Remote Sensing of Environment</i> , 2013 , 131, 85-102	13.2	106
237	Evaluation of digital soil mapping approaches with large sets of environmental covariates. <i>Soil</i> , 2018 , 4, 1-22	5.8	101
236	Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. <i>Ecological Indicators</i> , 2016 , 70, 317-339	5.8	100
235	Simulating imaging spectrometer data: 3D forest modeling based on LiDAR and in situ data. <i>Remote Sensing of Environment</i> , 2014 , 152, 235-250	13.2	92
234	Variability and evolution of global land surface phenology over the past three decades (1982-2012). <i>Global Change Biology</i> , 2016 , 22, 1456-68	11.4	88

233	Monitoring biodiversity change through effective global coordination. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 29, 158-169	7.2	83
232	Applicability of the PROSPECT model for Norway spruce needles. <i>International Journal of Remote Sensing</i> , 2006 , 27, 5315-5340	3.1	81
231	Impact of varying irradiance on vegetation indices and chlorophyll fluorescence derived from spectroscopy data. <i>Remote Sensing of Environment</i> , 2015 , 156, 202-215	13.2	80
230	Effects of woody elements on simulated canopy reflectance: Implications for forest chlorophyll content retrieval. <i>Remote Sensing of Environment</i> , 2010 , 114, 647-656	13.2	74
229	Influence of woody elements of a Norway spruce canopy on nadir reflectance simulated by the DART model at very high spatial resolution. <i>Remote Sensing of Environment</i> , 2008 , 112, 1-18	13.2	74
228	Modelling the spatial distribution of Natura 2000 habitats across Europe. <i>Landscape and Urban Planning</i> , 2009 , 92, 148-159	7.7	71
227	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. <i>Remote Sensing of Environment</i> , 2020 , 239, 111626	13.2	70
226	Desertification in the Sahel: Towards better accounting for ecosystem dynamics in the interpretation of remote sensing images. <i>Journal of Arid Environments</i> , 2011 , 75, 1164-1172	2.5	70
225	FLD-based retrieval of sun-induced chlorophyll fluorescence from medium spectral resolution airborne spectroscopy data. <i>Remote Sensing of Environment</i> , 2014 , 147, 256-266	13.2	69
224	Barest Pixel Composite for Agricultural Areas Using Landsat Time Series. <i>Remote Sensing</i> , 2017 , 9, 1245	5	65
223	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 1336-1348	8.1	65
222	How to predict plant functional types using imaging spectroscopy: linking vegetation community traits, plant functional types and spectral response. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 86-95	7.7	65
221	Assessing Vegetation Function with Imaging Spectroscopy. <i>Surveys in Geophysics</i> , 2019 , 40, 489-513	7.6	63
220	Intercomparison of fraction of absorbed photosynthetically active radiation products derived from satellite data over Europe. <i>Remote Sensing of Environment</i> , 2014 , 142, 141-154	13.2	62
219	SENSOR: a tool for the simulation of hyperspectral remote sensing systems. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2001 , 55, 299-312	11.8	62
218	SPECCHIO: a spectrum database for remote sensing applications. <i>Computers and Geosciences</i> , 2003 , 29, 27-38	4.5	61
217	Phenomenology of tremor-like signals observed over hydrocarbon reservoirs. <i>Journal of Volcanology and Geothermal Research</i> , 2003 , 128, 135-158	2.8	60
216	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2841-2853	8.1	59

215	Determining iron content in Mediterranean soils in partly vegetated areas, using spectral reflectance and imaging spectroscopy. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2007 , 9, 194-203	7.3	59
214	Bayesian object-based estimation of LAI and chlorophyll from a simulated Sentinel-2 top-of-atmosphere radiance image. <i>Remote Sensing of Environment</i> , 2014 , 140, 318-329	13.2	55
213	Characterizing regional soil mineral composition using spectroscopy and geostatistics. <i>Remote Sensing of Environment</i> , 2013 , 139, 415-429	13.2	55
212	Representing major soil variability at regional scale by constrained Latin Hypercube Sampling of remote sensing data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013 , 21, 301-310	7.3	55
211	Quantifying 3D structure and occlusion in dense tropical and temperate forests using close-range LiDAR. <i>Agricultural and Forest Meteorology</i> , 2019 , 268, 249-257	5.8	54
210	The assessment of multi-sensor image fusion using wavelet transforms for mapping the Brazilian Savanna. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2006 , 8, 278-288	7.3	54
209	Spectrodirectional remote sensing: From pixels to processes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2007 , 9, 204-223	7.3	53
208	Quantification of hidden canopy volume of airborne laser scanning data using a voxel traversal algorithm. <i>Remote Sensing of Environment</i> , 2017 , 194, 424-436	13.2	50
207	Estimating forest variables from top-of-atmosphere radiance satellite measurements using coupled radiative transfer models. <i>Remote Sensing of Environment</i> , 2011 , 115, 1043-1052	13.2	50
206	Quantitative mapping of global land degradation using Earth observations. <i>International Journal of Remote Sensing</i> , 2011 , 32, 6823-6853	3.1	49
205	Fusion of imaging spectroscopy and airborne laser scanning data for characterization of forest ecosystems – A review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 97, 25-35	11.8	48
204	Inversion of a coupled canopy-atmosphere model using multi-angular top-of-atmosphere radiance data: A forest case study. <i>Remote Sensing of Environment</i> , 2011 , 115, 2603-2612	13.2	47
203	Cross-Comparison of Albedo Products for Glacier Surfaces Derived from Airborne and Satellite (Sentinel-2 and Landsat 8) Optical Data. <i>Remote Sensing</i> , 2017 , 9, 110	5	46
202	A Bayesian object-based approach for estimating vegetation biophysical and biochemical variables from APEX at-sensor radiance data. <i>Remote Sensing of Environment</i> , 2013 , 139, 6-17	13.2	46
201	Terrestrial Laser Scanning for Forest Inventories – Tree Diameter Distribution and Scanner Location Impact on Occlusion. <i>Forests</i> , 2017 , 8, 184	2.8	46
200	Using Multitemporal Sentinel-1 C-band Backscatter to Monitor Phenology and Classify Deciduous and Coniferous Forests in Northern Switzerland. <i>Remote Sensing</i> , 2018 , 10, 55	5	42
199	Nonlinear response of vegetation green-up to local temperature variations in temperate and boreal forests in the Northern Hemisphere. <i>Remote Sensing of Environment</i> , 2015 , 165, 100-108	13.2	42
198	Effect of environmental conditions on sun-induced fluorescence in a mixed forest and a cropland. <i>Remote Sensing of Environment</i> , 2018 , 219, 310-323	13.2	42

197	Minimizing Measurement Uncertainties of Coniferous Needle-Leaf Optical Properties, Part I: Methodological Review. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 399-405	4.7	40
196	Solid laboratory calibration of a nonimaging spectroradiometer. <i>Applied Optics</i> , 2000 , 39, 3754-64	1.7	40
195	Correction of Reflectance Anisotropy Effects of Vegetation on Airborne Spectroscopy Data and Derived Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 616-627	8.1	39
194	MERIS observations of phytoplankton blooms in a stratified eutrophic lake. <i>Remote Sensing of Environment</i> , 2012 , 126, 232-239	13.2	39
193	Understanding Forest Health with Remote Sensing, Part III: Requirements for a Scalable Multi-Source Forest Health Monitoring Network Based on Data Science Approaches. <i>Remote Sensing</i> , 2018 , 10, 1120	5	38
192	Spatio-temporal land use dynamics and soil organic carbon in Swiss agroecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 258, 129-142	5.7	37
191	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. <i>Remote Sensing of Environment</i> , 2021 , 257, 112349	13.2	37
190	Spatio-temporal trends and trade-offs in ecosystem services: An Earth observation based assessment for Switzerland between 2004 and 2014. <i>Ecological Indicators</i> , 2018 , 89, 828-839	5.8	36
189	Forest canopy-structure characterization: A data-driven approach. <i>Forest Ecology and Management</i> , 2015 , 358, 48-61	3.9	35
188	Minimizing Measurement Uncertainties of Coniferous Needle-Leaf Optical Properties. Part II: Experimental Setup and Error Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 406-420	4.7	35
187	Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020 , 228, 485-493	9.8	34
186	Data exchange between distributed spectral databases. <i>Computers and Geosciences</i> , 2011 , 37, 861-873	4.5	34
185	Spectrodirectional remote sensing for the improved estimation of biophysical and -chemical variables: two case studies. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2005 , 6, 271-282	7.3	34
184	Determination of grassland use intensity based on multi-temporal remote sensing data and ecological indicators. <i>Remote Sensing of Environment</i> , 2017 , 198, 126-139	13.2	33
183	Fast and simple model for atmospheric radiative transfer. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 1129-1141	4	33
182	Field and Airborne Spectroscopy Cross Validation Some Considerations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 1117-1135	4.7	32
181	Quantification of spatial distribution of vegetation in the Qilian Mountain area with MODIS NDVI. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5751-5766	3.1	31
180	Groundwater Depth and Vegetation in the Ejina Area, China. <i>Arid Land Research and Management</i> , 2011 , 25, 194-199	1.8	31

179	Scaling-based forest structural change detection using an inverted geometric-optical model in the Three Gorges region of China. <i>Remote Sensing of Environment</i> , 2008 , 112, 4261-4271	13.2	31
178	Priority list of biodiversity metrics to observe from space. <i>Nature Ecology and Evolution</i> , 2021 , 5, 896-906	12.3	30
177	Creating Multi-Temporal Composites of Airborne Imaging Spectroscopy Data in Support of Digital Soil Mapping. <i>Remote Sensing</i> , 2016 , 8, 906	5	30
176	Altitude-dependent influence of snow cover on alpine land surface phenology. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 1107-1122	3.7	29
175	Moving Target Tracking in Single- and Multichannel SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 3146-3159	8.1	29
174	Understanding and assessing vegetation health by in situ species and remote-sensing approaches. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1799-1809	7.7	29
173	A note on upscaling coniferous needle spectra to shoot spectral albedo. <i>Remote Sensing of Environment</i> , 2012 , 117, 469-474	13.2	29
172	Shifting relative importance of climatic constraints on land surface phenology. <i>Environmental Research Letters</i> , 2018 , 13, 024025	6.2	28
171	Correlation Between Annual Runoff in the Heihe River to the Vegetation Cover in the Ejina Oasis (China). <i>Arid Land Research and Management</i> , 2010 , 24, 31-41	1.8	27
170	Traceable radiometry underpinning terrestrial- and helio-studies (TRUTHS). <i>Advances in Space Research</i> , 2003 , 32, 2253-2261	2.4	27
169	Linking Remote Sensing and Geodiversity and Their Traits Relevant to BiodiversityPart I: Soil Characteristics. <i>Remote Sensing</i> , 2019 , 11, 2356	5	27
168	Imaging spectroscopy to assess the composition of ice surface materials and their impact on glacier mass balance. <i>Remote Sensing of Environment</i> , 2015 , 168, 388-402	13.2	26
167	Using imaging spectroscopy to predict above-ground plant biomass in alpine grasslands grazed by large ungulates. <i>Journal of Vegetation Science</i> , 2015 , 26, 175-190	3.1	26
166	Airborne Prism Experiment Calibration Information System. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 5169-5180	8.1	26
165	Fast retrieval of aerosol optical depth and its sensitivity to surface albedo using remote sensing data. <i>Atmospheric Research</i> , 2012 , 116, 22-32	5.4	26
164	Foraging ecology of three sympatric ungulate species - Behavioural and resource maps indicate differences between chamois, ibex and red deer. <i>Movement Ecology</i> , 2015 , 3, 6	4.6	24
163	Quantifying mineral abundances of complex mixtures by coupling spectral deconvolution of SWIR spectra (2.1-2.4 μ m) and regression tree analysis. <i>Geoderma</i> , 2013 , 207-208, 279-290	6.7	24
162	Variability and Uncertainty Challenges in Scaling Imaging Spectroscopy Retrievals and Validations from Leaves Up to Vegetation Canopies. <i>Surveys in Geophysics</i> , 2019 , 40, 631-656	7.6	23

161	Moving-Target Tracking in Single-Channel Wide-Beam SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 4735-4747	8.1	23
160	Drivers of shortwave radiation fluxes in Arctic tundra across scales. <i>Remote Sensing of Environment</i> , 2017 , 193, 86-102	13.2	22
159	Close-range laser scanning in forests: towards physically based semantics across scales. <i>Interface Focus</i> , 2018 , 8, 20170046	3.9	22
158	Modelling plant species distribution in alpine grasslands using airborne imaging spectroscopy. <i>Biology Letters</i> , 2014 , 10,	3.6	22
157	Using MERIS fused images for land-cover mapping and vegetation status assessment in heterogeneous landscapes. <i>International Journal of Remote Sensing</i> , 2011 , 32, 973-991	3.1	22
156	Assessing and predicting biodiversity in a floodplain ecosystem: Assimilation of net primary production derived from imaging spectrometer data into a dynamic vegetation model. <i>Remote Sensing of Environment</i> , 2008 , 112, 2118-2130	13.2	22
155	The Nagoya Protocol could backfire on the Global South. <i>Nature Ecology and Evolution</i> , 2018 , 2, 917-919	12.3	22
154	Characterization of an alpine tree line using airborne LiDAR data and physiological modeling. <i>Global Change Biology</i> , 2013 , 19, 3808-21	11.4	21
153	Quantitative forest canopy structure assessment using an inverted geometric-optical model and up-scaling. <i>International Journal of Remote Sensing</i> , 2009 , 30, 1385-1406	3.1	21
152	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005 , 43, 2666-2675	8.1	21
151	Genomics meets remote sensing in global change studies: monitoring and predicting phenology, evolution and biodiversity. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 29, 177-186	7.2	20
150	Evaluation of spectrodirectional alfalfa canopy data acquired during DAISEX'99. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003 , 41, 1034-1042	8.1	20
149	Monitoring global changes in biodiversity and climate essential as ecological crisis intensifies. <i>Ecological Informatics</i> , 2020 , 55, 101033	4.2	20
148	Spatial variation of human influences on grassland biomass on the Qinghai-Tibetan plateau. <i>Science of the Total Environment</i> , 2019 , 665, 678-689	10.2	20
147	Spatial monitoring of grassland management using multi-temporal satellite imagery. <i>Ecological Indicators</i> , 2020 , 113, 106201	5.8	19
146	Comparison of remote sensing and plant trait-based modelling to predict ecosystem services in subalpine grasslands. <i>Ecosphere</i> , 2014 , 5, art100	3.1	19
145	Using MERIS on Envisat for land cover mapping in the Netherlands. <i>International Journal of Remote Sensing</i> , 2007 , 28, 637-652	3.1	19
144	From local to regional: Functional diversity in differently managed alpine grasslands. <i>Remote Sensing of Environment</i> , 2020 , 236, 111415	13.2	19

143	Robust quantification of riverine land cover dynamics by high-resolution remote sensing. <i>Remote Sensing of Environment</i> , 2018 , 217, 491-505	13.2	19
142	Timing of rockfalls in the Mont Blanc massif (Western Alps): evidence from surface exposure dating with cosmogenic ¹⁰ Be. <i>Landslides</i> , 2018 , 15, 1991-2000	6.6	18
141	Shoot scattering phase function for Scots pine and its effect on canopy reflectance. <i>Agricultural and Forest Meteorology</i> , 2012 , 154-155, 67-74	5.8	17
140	In-flight spectral performance monitoring of the Airborne Prism Experiment. <i>Applied Optics</i> , 2010 , 49, 3082-91	0.2	17
139	Towards spatial assessment of carbon sequestration in peatlands: spectroscopy based estimation of fractional cover of three plant functional types. <i>Biogeosciences</i> , 2009 , 6, 275-284	4.6	17
138	A laboratory goniometer system for measuring reflectance and emittance anisotropy. <i>Sensors</i> , 2012 , 12, 17358-71	3.8	16
137	Crop Classification in a Heterogeneous Arable Landscape Using Uncalibrated UAV Data. <i>Remote Sensing</i> , 2018 , 10, 1282	5	16
136	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 1534-1544	4.7	15
135	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 251-263	8.1	15
134	Advancing retrievals of surface reflectance and vegetation indices over forest ecosystems by combining imaging spectroscopy, digital object models, and 3D canopy modelling. <i>Remote Sensing of Environment</i> , 2018 , 204, 583-595	13.2	15
133	Performance assessment of onboard and scene-based methods for Airborne Prism Experiment spectral characterization. <i>Applied Optics</i> , 2011 , 50, 4755-64	0.2	15
132	APEX - current status, performance and validation concept 2010 ,		15
131	Improving radiometry of imaging spectrometers by using programmable spectral regions of interest. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2009 , 64, 632-639	11.8	15
130	River Floodplain Vegetation Scenario Development Using Imaging Spectroscopy Derived Products as Input Variables in a Dynamic Vegetation Model. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007 , 73, 1179-1188	1.6	15
129	Evaluation of diurnal hyperspectral HDRF data acquired with the RSL field goniometer during the DAISEX'99 campaign. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2002 , 57, 184-193	11.8	15
128	Minimizing soil moisture variations in multi-temporal airborne imaging spectrometer data for digital soil mapping. <i>Geoderma</i> , 2019 , 337, 607-621	6.7	15
127	Retrieval of higher order statistical moments from full-waveform LiDAR data for tree species classification. <i>Remote Sensing of Environment</i> , 2017 , 196, 28-41	13.2	14
126	Endmember Extraction Using a Combination of Orthogonal Projection and Genetic Algorithm. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012 , 9, 161-165	4.1	14

125	PARGE: parametric geocoding based on GCP-calibrated auxiliary data 1998 ,		14
124	Tree species classification in a temperate mixed forest using a combination of imaging spectroscopy and airborne laser scanning. <i>Agricultural and Forest Meteorology</i> , 2019 , 279, 107744	5.8	13
123	Impact and consequences of evapotranspiration changes on water resources availability in the arid Zhangye Basin, China. <i>International Journal of Remote Sensing</i> , 2009 , 30, 3223-3238	3.1	13
122	Laboratory calibration and inflight validation of the Digital Airborne Imaging Spectrometer DAIS 7915 1997 ,		13
121	Cluster versus grid for operational generation of ATCOR® modtran-based look up tables. <i>Parallel Computing</i> , 2008 , 34, 32-46	1	13
120	Effects of MERIS L1b radiometric calibration on regional land cover mapping and land products. <i>International Journal of Remote Sensing</i> , 2007 , 28, 653-673	3.1	13
119	Retrieval of seasonal dynamics of forest understory reflectance from semiarid to boreal forests using MODIS BRDF data. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 855-863	3.7	12
118	Impact of economic growth on vegetation health in China based on GIMMS NDVI. <i>International Journal of Remote Sensing</i> , 2008 , 29, 3715-3726	3.1	12
117	Modeling the noise equivalent radiance requirements of imaging spectrometers based on scientific applications. <i>Applied Optics</i> , 2002 , 41, 5691-701	1.7	12
116	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2263-2275	4.7	12
115	Ecosystem service change caused by climatological and non-climatological drivers: a Swiss case study. <i>Ecological Applications</i> , 2019 , 29, e01901	4.9	11
114	Computation of a distributed glacier surface albedo proxy using airborne laser scanning intensity data and in-situ spectro-radiometric measurements. <i>Remote Sensing of Environment</i> , 2015 , 160, 31-42	13.2	11
113	A Multisquint Framework for Change Detection in High-Resolution Multitemporal SAR Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 3611-3623	8.1	11
112	Aspects of 3D surface scanner performance for post-mortem skin documentation in forensic medicine using rigid benchmark objects. <i>Journal of Forensic Radiology and Imaging</i> , 2013 , 1, 167-175	1.3	11
111	Operational forest structure monitoring using airborne laser scanning. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2013 , 2013, 173-184		11
110	The Future of Imaging Spectroscopy Prospective Technologies and Applications 2006 ,		11
109	Mapping functional diversity using individual tree-based morphological and physiological traits in a subtropical forest. <i>Remote Sensing of Environment</i> , 2021 , 252, 112170	13.2	11
108	Giant tortoise habitats under increasing drought conditions on Aldabra Atoll Ecological indicators to monitor rainfall anomalies and related vegetation activity. <i>Ecological Indicators</i> , 2017 , 80, 354-362	5.8	10

107	Uncertainty Analysis for Topographic Correction of Hyperspectral Remote Sensing Images. <i>Remote Sensing</i> , 2020 , 12, 705	5	10
106	Relative Influence of Timing and Accumulation of Snow on Alpine Land Surface Phenology. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 561-576	3.7	10
105	Towards Automated Characterization of Canopy Layering in Mixed Temperate Forests Using Airborne Laser Scanning. <i>Forests</i> , 2015 , 6, 4146-4167	2.8	10
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