

Michael E Schaepman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Assessing biodiversity from space: Impact of spatial and spectral resolution on trait-based functional diversity. <i>Remote Sensing of Environment</i> , 2022 , 275, 113024	13.2	1
267	Remote Sensing of Geomorphodiversity Linked to Biodiversity Part III: Traits, Processes and Remote Sensing Characteristics. <i>Remote Sensing</i> , 2022 , 14, 2279	5	1
266	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation.. <i>Nature Ecology and Evolution</i> , 2021 ,	12.3	6
265	The Swiss data cube, analysis ready data archive using earth observations of Switzerland. <i>Scientific Data</i> , 2021 , 8, 295	8.2	5
264	Spring Temperature and Snow Cover Climatology Drive the Advanced Springtime Phenology (1991-2014) in the European Alps. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006150 ²	3.7	0
263	A dataset composed of multiangular spectral libraries and auxiliary data at tree, leaf, needle, and bark level for three common European tree species. <i>Data in Brief</i> , 2021 , 35, 106820	1.2	1
262	Priority list of biodiversity metrics to observe from space. <i>Nature Ecology and Evolution</i> , 2021 , 5, 896-906	12.3	30
261	rasterdiv-An Information Theory tailored R package for measuring ecosystem heterogeneity from space: To the origin and back. <i>Methods in Ecology and Evolution</i> , 2021 , 12, 1093-1102	7.7	9
260	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
259	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
258	Modelling of three-dimensional, diurnal light extinction in two contrasting forests. <i>Agricultural and Forest Meteorology</i> , 2021 , 296, 108230	5.8	4
257	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 1348-1362	4.7	3
256	Wide-Area Analysis-Ready Radar Backscatter Composites. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	10
255	Multi-angular reflectance spectra of small single trees. <i>Remote Sensing of Environment</i> , 2021 , 255, 112302	13.2	3
254	Remotely sensed between-individual functional trait variation in a temperate forest. <i>Ecology and Evolution</i> , 2021 , 11, 10834-10867	2.8	2
253	Uncertainties in measurements of leaf optical properties are small compared to the biological variation within and between individuals of European beech. <i>Remote Sensing of Environment</i> , 2021 , 264, 112601	13.2	3
252	Remote sensing of spectral diversity: A new methodological approach to account for spatio-temporal dissimilarities between plant communities. <i>Ecological Indicators</i> , 2021 , 130, 108106	5.8	5

251	Empirical validation of photon recollision probability in single crowns of tree seedlings. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 169, 57-72	11.8	3
250	Crop Separability from Individual and Combined Airborne Imaging Spectroscopy and UAV Multispectral Data. <i>Remote Sensing</i> , 2020 , 12, 1256	5	1
249	Land surface phenology and greenness in Alpine grasslands driven by seasonal snow and meteorological factors. <i>Science of the Total Environment</i> , 2020 , 725, 138380	10.2	8
248	Characterizing Flood Impact on Swiss Floodplains Using Interannual Time Series of Satellite Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 1479-1493 ^O	4.7	1493 ^O
247	Intraspecific genetic variation of a population in a temperate forest derived from airborne imaging spectroscopy time series. <i>Ecology and Evolution</i> , 2020 , 10, 7419-7430	2.8	7
246	Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020 , 228, 485-493	9.8	34
245	Uncertainty Analysis for Topographic Correction of Hyperspectral Remote Sensing Images. <i>Remote Sensing</i> , 2020 , 12, 705	5	10
244	Simulating functional diversity of European natural forests along climatic gradients. <i>Journal of Biogeography</i> , 2020 , 47, 1069-1085	4.1	9
243	Spatial monitoring of grassland management using multi-temporal satellite imagery. <i>Ecological Indicators</i> , 2020 , 113, 106201	5.8	19
242	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. <i>Remote Sensing of Environment</i> , 2020 , 239, 111626	13.2	70
241	The Laegeren Site: An Augmented Forest Laboratory 2020 , 83-104		2
240	Monitoring global changes in biodiversity and climate essential as ecological crisis intensifies. <i>Ecological Informatics</i> , 2020 , 55, 101033	4.2	20
239	From local to regional: Functional diversity in differently managed alpine grasslands. <i>Remote Sensing of Environment</i> , 2020 , 236, 111415	13.2	19
238	Linking the Remote Sensing of Geodiversity and Traits Relevant to Biodiversity Part II: Geomorphology, Terrain and Surfaces. <i>Remote Sensing</i> , 2020 , 12, 3690	5	6
237	Changes in grassland cover and in its spatial heterogeneity indicate degradation on the Qinghai-Tibetan Plateau. <i>Ecological Indicators</i> , 2020 , 119, 106641	5.8	8
236	The SPECCHIO Spectral Information System. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 5789-5799	4.7	8
235	Impact of Beam Diameter and Scanning Approach on Point Cloud Quality of Terrestrial Laser Scanning in Forests. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 1-15	8.1	3
234	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

233	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
232	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
231	Studying the Influence of Nitrogen Deposition, Precipitation, Temperature, and Sunshine in Remotely Sensed Gross Primary Production Response in Switzerland. <i>Remote Sensing</i> , 2019 , 11, 1135	5	1
230	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 4994-5011	8.1	9
229	Ecosystem service change caused by climatological and non-climatological drivers: a Swiss case study. <i>Ecological Applications</i> , 2019 , 29, e01901	4.9	11
228	Assessing Vegetation Function with Imaging Spectroscopy. <i>Surveys in Geophysics</i> , 2019 , 40, 489-513	7.6	63
227	A Back-Projection Tomographic Framework for VHR SAR Image Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 4470-4484	8.1	7
226	Remotely Sensing Variation in Ecological Strategies and Plant Traits of Willows in Perialpine Floodplains. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 2090-2106	3.7	3
225	Optimal Timing Assessment for Crop Separation Using Multispectral Unmanned Aerial Vehicle (UAV) Data and Textural Features. <i>Remote Sensing</i> , 2019 , 11, 1780	5	7
224	Land use change and the migration geography of Greater White-fronted geese in European Russia. <i>Ecosphere</i> , 2019 , 10, e02754	3.1	4
223	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
222	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversity Part I: Soil Characteristics. <i>Remote Sensing</i> , 2019 , 11, 2356	5	27
221	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
220	Automated detection of individual clove trees for yield quantification in northeastern Madagascar based on multi-spectral satellite data. <i>Remote Sensing of Environment</i> , 2019 , 221, 144-156	13.2	7
219	Close-range laser scanning in forests: towards physically based semantics across scales. <i>Interface Focus</i> , 2018 , 8, 20170046	3.9	22
218	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 251-263	8.1	15
217	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
216	Shifting relative importance of climatic constraints on land surface phenology. <i>Environmental Research Letters</i> , 2018 , 13, 024025	6.2	28

215	Spectral signatures of submicron scale light-absorbing impurities in snow and ice using hyperspectral microscopy. <i>Journal of Glaciology</i> , 2018 , 64, 377-386	3.4	9
214	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
213	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2841-2853	8.1	59
212	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
211	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
210	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
209	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
208	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
207	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
206	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
205	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
204	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
203	Crop Classification in a Heterogeneous Arable Landscape Using Uncalibrated UAV Data. <i>Remote Sensing</i> , 2018 , 10, 1282	5	16
202	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2263-2275	4.7	12
201	The Nagoya Protocol could backfire on the Global South. <i>Nature Ecology and Evolution</i> , 2018 , 2, 917-919	12.3	22
200	Evaluation of digital soil mapping approaches with large sets of environmental covariates. <i>Soil</i> , 2018 , 4, 1-22	5.8	101
199	Drivers of shortwave radiation fluxes in Arctic tundra across scales. <i>Remote Sensing of Environment</i> , 2017 , 193, 86-102	13.2	22
198	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

197	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
196	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
195	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
194	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
193	Editorial overview: Environmental change issues: Integrated global change and biodiversity research for a sustainable future. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 29, vii-xi	7.2	1
192	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
191	Integrative research efforts at the boundary of biodiversity and global change research. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 29, 215-222	7.2	5
190	Evaluation of digital soil mapping approaches with large sets of environmental covariates 2017 ,		5
189	Barest Pixel Composite for Agricultural Areas Using Landsat Time Series. <i>Remote Sensing</i> , 2017 , 9, 1245	5	65
188	Trends in Phenological Parameters and Relationship Between Land Surface Phenology and Climate Data in the Hyrcanian Forests of Iran. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 4961-4970	4.7	7
187	From instantaneous to continuous: Using imaging spectroscopy and in situ data to map two productivity-related ecosystem services. <i>Ecological Indicators</i> , 2017 , 82, 409-419	5.8	9
186	Mapping functional diversity from remotely sensed morphological and physiological forest traits. <i>Nature Communications</i> , 2017 , 8, 1441	17.4	129
185	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
184	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
183	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
182	Observations, indicators and scenarios of biodiversity and ecosystem services change: A framework to support policy and decision-making. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 29, 198-206	7.2	9
181	Monitoring biodiversity change through effective global coordination. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 29, 158-169	7.2	83
180	Detection and Correction of Spectral Shift Effects for the Airborne Prism Experiment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 6666-6679	8.1	3

179	Terrestrial Laser Scanning for Forest Inventories—Tree Diameter Distribution and Scanner Location Impact on Occlusion. <i>Forests</i> , 2017 , 8, 184	2.8	46
178	Tree Density and Forest Productivity in a Heterogeneous Alpine Environment: Insights from Airborne Laser Scanning and Imaging Spectroscopy. <i>Forests</i> , 2017 , 8, 212	2.8	4
177	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
176	Monitoring plant functional diversity from space. <i>Nature Plants</i> , 2016 , 2, 16024	11.5	164
175	Spatial Differentiation of Arable Land and Permanent Grassland to Improve a Land Management Model for Nutrient Balancing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 5655-5665	4.7	7
174	Creating Multi-Temporal Composites of Airborne Imaging Spectroscopy Data in Support of Digital Soil Mapping. <i>Remote Sensing</i> , 2016 , 8, 906	5	30
173	Spectral super-resolution reflectance retrieval from remotely sensed imaging spectrometer data. <i>Optics Express</i> , 2016 , 24, 19905-19	3.3	4
172	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
171	Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. <i>Ecological Indicators</i> , 2016 , 70, 317-339	5.8	100
170	Single tree identification using airborne multibaseline SAR interferometry data. <i>Remote Sensing of Environment</i> , 2016 , 186, 567-580	13.2	9
169	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
168	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
167	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
166	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
165	The ecological forecast horizon, and examples of its uses and determinants. <i>Ecology Letters</i> , 2015 , 18, 597-611	10	174
164	Moving Target Tracking in Single- and Multichannel SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 3146-3159	8.1	29
163	Detection and Correction of Radiance Variations During Spectral Calibration in APEX. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 1023-1027	4.1	6
162	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 1534-1544	4.7	15

161	Forest canopy-structure characterization: A data-driven approach. <i>Forest Ecology and Management</i> , 2015 , 358, 48-61	3.9	35
160	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
159	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
158	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
157	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
156	Optimal structural and spectral features for tree species classification using combined airborne laser scanning and hyperspectral data 2015 ,		1
155	Estimation of Alpine Forest Structural Variables from Imaging Spectrometer Data. <i>Remote Sensing</i> , 2015 , 7, 16315-16338	5	9
154	Towards Automated Characterization of Canopy Layering in Mixed Temperate Forests Using Airborne Laser Scanning. <i>Forests</i> , 2015 , 6, 4146-4167	2.8	10
153	Environmental science: Agree on biodiversity metrics to track from space. <i>Nature</i> , 2015 , 523, 403-5	50.4	260
152	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
151	Mapping Alpine Aboveground Biomass From Imaging Spectrometer Data: A Comparison of Two Approaches. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 3123-3139	4.7	6
150	Foreword to the Special Issue on Hyperspectral Image and Signal Processing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 2337-2340	4.7	3
149	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5814-5823	8.1	9
148	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
147	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
146	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
145	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
144	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

143	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
142	Continuous Fields From Imaging Spectrometer Data for Ecosystem Parameter Mapping and Their Potential for Animal Habitat Assessment in Alpine Regions. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 2600-2610	4.7	6
141	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
140	Mapping ecosystem services using imaging spectroscopy data 2014 ,		1
139	At-sensor radiance simulation for airborne imaging spectroscopy 2014 ,		1
138	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
137	Impacts of dichroic prism coatings on radiometry of the airborne imaging spectrometer APEX. <i>Applied Optics</i> , 2014 , 53, 5344-52	1.7	10
136	Fusing imaging spectrometry and airborne laser scanning data for tree species discrimination 2014 ,		4
135	Modelling plant species distribution in alpine grasslands using airborne imaging spectroscopy. <i>Biology Letters</i> , 2014 , 10,	3.6	22
134	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
133	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
132	Review of optical-based remote sensing for plant trait mapping. <i>Ecological Complexity</i> , 2013 , 15, 1-16	2.6	213
131	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 1336-1348	8.1	65
130	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
129	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
128	Characterizing regional soil mineral composition using spectroscopy and geostatistics. <i>Remote Sensing of Environment</i> , 2013 , 139, 415-429	13.2	55
127	Airborne Prism Experiment Calibration Information System. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 5169-5180	8.1	26
126	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

125	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
124	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
123	Spatial relationship between climatologies and changes in global vegetation activity. <i>Global Change Biology</i> , 2013 , 19, 1953-64	11.4	119
122	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
121	What multiscale environmental drivers can best be discriminated from a habitat index derived from a remotely sensed vegetation time series?. <i>Landscape Ecology</i> , 2013 , 28, 1529-1543	4.3	4
120	Operational forest structure monitoring using airborne laser scanning. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2013 , 2013, 173-184		11
119	Shifts in Global Vegetation Activity Trends. <i>Remote Sensing</i> , 2013 , 5, 1117-1133	5	169
118	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
117	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
116	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
115	A note on upscaling coniferous needle spectra to shoot spectral albedo. <i>Remote Sensing of Environment</i> , 2012 , 117, 469-474	13.2	29
114	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
113	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
112	MERIS observations of phytoplankton blooms in a stratified eutrophic lake. <i>Remote Sensing of Environment</i> , 2012 , 126, 232-239	13.2	39
111	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
110	Mapping LAI and chlorophyll content from at-sensor APEX data using a Bayesian optimisation of a coupled canopy-atmosphere model 2012 ,		2
109	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
108	A laboratory goniometer system for measuring reflectance and emittance anisotropy. <i>Sensors</i> , 2012 , 12, 17358-71	3.8	16

107	2012,			5
106	Evaluation of gross primary production (GPP) variability over several ecosystems in Switzerland using sun-induced chlorophyll fluorescence derived from APEX data 2012,			3
105	Operational status of apex and characteristics of the apex open science data set 2012,			4
104	The use of remote sensing in soil and terrain mapping [A review. <i>Geoderma</i> , 2011, 162, 1-19	6.7		458
103	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
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