

Susan L Ustin

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.

250
papers

16,037
citations

66
h-index

122
g-index

270
ext. papers

18,255
ext. citations

7.3
avg, IF

6.69
L-index

#	Paper	IF	Citations
250	Integrating remote sensing with ecology and evolution to advance biodiversity conservation.. <i>Nature Ecology and Evolution</i> , 2022 ,	12.3	7
249	Classification and detection of dominant factors in geospatial patterns of traditional settlements in China. <i>Journal of Chinese Geography</i> , 2022 , 32, 873-891	3.7	1
248	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
247	Detection of drought-induced blue oak mortality in the Sierra Nevada Mountains, California. <i>Ecosphere</i> , 2021 , 12, e03558	3.1	1
246	Assessment of FSDAF Accuracy on Cotton Yield Estimation Using Different MODIS Products and Landsat Based on the Mixed Degree Index with Different Surroundings. <i>Sensors</i> , 2021 , 21,	3.8	2
245	Water availability surpasses warmth in controlling global vegetation trends in recent decade: revealed by satellite time series. <i>Environmental Research Letters</i> , 2021 , 16, 074028	6.2	2
244	Current and near-term advances in Earth observation for ecological applications. <i>Ecological Processes</i> , 2021 , 10, 1	3.6	28
243	Performance of the ecosystem demography model (EDv2.2) in simulating gross primary production capacity and activity in a dryland study area. <i>Agricultural and Forest Meteorology</i> , 2021 , 297, 108270	5.8	0
242	Changes in ecosystem services in a montane landscape impacted by major earthquakes: A case study in Wenchuan earthquake-affected area, China. <i>Ecological Indicators</i> , 2021 , 126, 107683	5.8	2
241	Impact of Modeling Abstractions When Estimating Leaf Mass per Area and Equivalent Water Thickness over Sparse Forests Using a Hybrid Method. <i>Remote Sensing</i> , 2021 , 13, 3235	5	0
240	Predicting Maize Yield at the Plot Scale of Different Fertilizer Systems by Multi-Source Data and Machine Learning Methods. <i>Remote Sensing</i> , 2021 , 13, 3760	5	1
239	A regional-scale hyperspectral prediction model of soil organic carbon considering geomorphic features. <i>Geoderma</i> , 2021 , 403, 115263	6.7	4
238	A Live Fuel Moisture Content Product from Landsat TM Satellite Time Series for Implementation in Fire Behavior Models. <i>Remote Sensing</i> , 2020 , 12, 1714	5	10
237	Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020 , 228, 485-493	9.8	34
236	Confidence Levels, Sensitivity, and the Role of Bathymetry in Coral Reef Remote Sensing. <i>Remote Sensing</i> , 2020 , 12, 496	5	10
235	Epilogue: Toward a Global Biodiversity Monitoring System 2020 , 519-526		1
234	How the Optical Properties of Leaves Modify the Absorption and Scattering of Energy and Enhance Leaf Functionality 2020 , 349-384		19

233	eDaRT: The Ecosystem Disturbance and Recovery Tracker system for monitoring landscape disturbances and their cumulative effects. <i>Remote Sensing of Environment</i> , 2020 , 238, 111482	13.2	29
232	Monitoring LAI, Chlorophylls, and Carotenoids Content of a Woodland Savanna Using Hyperspectral Imagery and 3D Radiative Transfer Modeling. <i>Remote Sensing</i> , 2020 , 12, 28	5	15
231	Joint Use of PROSAIL and DART for Fast LUT Building: Application to Gap Fraction and Leaf Biochemistry Estimations over Sparse Oak Stands. <i>Remote Sensing</i> , 2020 , 12, 2925	5	4
230	Correction: Miraglio, T., et al. Monitoring LAI, Chlorophylls, and Carotenoids Content of a Woodland Savanna Using Hyperspectral Imagery and 3D Radiative Transfer Modeling. <i>Remote Sensing</i> 2020, 12, 28. <i>Remote Sensing</i> , 2020 , 12, 2263	5	
229	Estimation of a New Canopy Structure Parameter for Rice Using Smartphone Photography. <i>Sensors</i> , 2020 , 20,	3.8	2
228	Vis-SWIR spectral prediction model for soil organic matter with different grouping strategies. <i>Catena</i> , 2020 , 195, 104703	5.8	19
227	Globe-LFMC, a global plant water status database for vegetation ecophysiology and wildfire applications. <i>Scientific Data</i> , 2019 , 6, 155	8.2	22
226	Empirical Methods for Remote Sensing of Nitrogen in Drylands May Lead to Unreliable Interpretation of Ecosystem Function. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3993-4004	8.1	4
225	Discrimination of Canopy Structural Types in the Sierra Nevada Mountains in Central California. <i>Remote Sensing</i> , 2019 , 11, 1100	5	7
224	A LiDAR signature library simulated from 3-dimensional Discrete Anisotropic Radiative Transfer (DART) model to classify fuel types using spectral matching algorithms. <i>GIScience and Remote Sensing</i> , 2019 , 56, 988-1023	4.8	9
223	Assessment of the effectiveness of spatiotemporal fusion of multi-source satellite images for cotton yield estimation. <i>Computers and Electronics in Agriculture</i> , 2019 , 162, 44-52	6.5	12
222	Leaf Optical Properties in Different Wavelength Domains 2019 , 124-169		1
221	Variation Due to Leaf Structural, Chemical, and Physiological Traits 2019 , 170-194		2
220	Extraction of Leaf Traits 2019 , 320-356		
219	A Brief History of Leaf Color 2019 , 1-11		
218	Leaf Biophysics 2019 , 12-47		
217	Spectroscopy of Leaf Molecules 2019 , 48-73		2
216	Measurement of Leaf Optical Properties 2019 , 74-123		0

215	Variations Due to Leaf Abiotic and Biotic Factors 2019 , 195-228		0
214	Comprehensive Reviews of Leaf Optical Properties Models 2019 , 229-264		1
213	Modeling Leaf Optical Properties: prospect 2019 , 265-291		
212	Modeling Three-Dimensional Leaf Optical Properties: raytran 2019 , 292-319		
211	Applications of Leaf Optics 2019 , 357-403		
210	Glossary and Acronym List 2019 , 406-422		
209	Leaf Molecules 2019 , 423-434		
208	Planck's Law 2019 , 435-438		
207	Radiometry 2019 , 439-441		
206	Fresnel's Equations 2019 , 442-451		
205	Beer-Lambert Law 2019 , 452-454		
204	Kubelka-Munk Theory 2019 , 455-461		
203	Global Sensitivity Analysis 2019 , 462-463		
202	Leaf Three-Dimensional Reconstruction 2019 , 464-468		
201	Leaf Online Databases and Models 2019 , 469-472		
200	Regional Scale Dryland Vegetation Classification with an Integrated Lidar-Hyperspectral Approach. <i>Remote Sensing</i> , 2019 , 11, 2141	5	6
199	Crop Type Discrimination and Health Assessment using Hyperspectral Imaging. <i>Current Science</i> , 2019 , 116, 1108	2.2	11
198	Leaf Optical Properties 2019 ,		20

197	Arctic greening associated with lengthening growing seasons in Northern Alaska. <i>Environmental Research Letters</i> , 2019 , 14, 125018	6.2	24
196	Spectral mapping methods applied to LiDAR data: Application to fuel type mapping. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019 , 74, 159-168	7.3	13
195	Maximizing the relationship of yield to site-specific management zones with object-oriented segmentation of hyperspectral images. <i>Precision Agriculture</i> , 2018 , 19, 348-364	5.6	6
194	Evaluating Endmember and Band Selection Techniques for Multiple Endmember Spectral Mixture Analysis using Post-Fire Imaging Spectroscopy. <i>Remote Sensing</i> , 2018 , 10, 389	5	33
193	Modelling forest canopy height by integrating airborne LiDAR samples with satellite Radar and multispectral imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 66, 159-173	7.3	52
192	Water primrose invasion changes successional pathways in an estuarine ecosystem. <i>Ecosphere</i> , 2018 , 9, e02418	3.1	11
191	Imaging Spectroscopic Analysis of Biochemical Traits for Shrub Species in Great Basin, USA. <i>Remote Sensing</i> , 2018 , 10, 1621	5	3
190	Spectral Identification of Native and Non-Native Plant Species for Biodiversity Assessments 2018 ,		1
189	Improvement of Clay and Sand Quantification Based on a Novel Approach with a Focus on Multispectral Satellite Images. <i>Remote Sensing</i> , 2018 , 10, 1555	5	30
188	Assessing the Impact of Spatial Resolution on the Estimation of Leaf Nitrogen Concentration Over the Full Season of Paddy Rice Using Near-Surface Imaging Spectroscopy Data. <i>Frontiers in Plant Science</i> , 2018 , 9, 964	6.2	35
187	Comparing the Potential of Multispectral and Hyperspectral Data for Monitoring Oil Spill Impact. <i>Sensors</i> , 2018 , 18,	3.8	19
186	Impact of data model and point density on aboveground forest biomass estimation from airborne LiDAR. <i>Carbon Balance and Management</i> , 2017 , 12, 4	3.6	24
185	Quantifying biomass consumption and carbon release from the California Rim fire by integrating airborne LiDAR and Landsat OLI data. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 340-353	3.7	34
184	ISS observations offer insights into plant function. <i>Nature Ecology and Evolution</i> , 2017 , 1, 194	12.3	70
183	Marsh Loss Due to Cumulative Impacts of Hurricane Isaac and the Deepwater Horizon Oil Spill in Louisiana. <i>Remote Sensing</i> , 2017 , 9, 169	5	7
182	Extrapolating Forest Canopy Fuel Properties in the California Rim Fire by Combining Airborne LiDAR and Landsat OLI Data. <i>Remote Sensing</i> , 2017 , 9, 394	5	21
181	Assessing the Spectral Properties of Sunlit and Shaded Components in Rice Canopies with Near-Ground Imaging Spectroscopy Data. <i>Sensors</i> , 2017 , 17,	3.8	18
180	Measuring landscape-scale spread and persistence of an invaded submerged plant community from airborne remote sensing 2016 , 26, 1733-1744		17

179	Monitoring plant functional diversity from space. <i>Nature Plants</i> , 2016 , 2, 16024	11.5	164
178	Spectral sensitivity of radiative transfer inversion for seasonal canopy pigments estimation from aviris data in a woodland savanna ecosystem 2016 ,		1
177	Canopy structural attributes derived from AVIRIS imaging spectroscopy data in a mixed broadleaf/conifer forest. <i>Remote Sensing of Environment</i> , 2016 , 182, 208-226	13.2	26
176	The Effect of Submerged Aquatic Vegetation Expansion on a Declining Turbidity Trend in the Sacramento-San Joaquin River Delta. <i>Estuaries and Coasts</i> , 2016 , 39, 1100-1112	2.8	31
175	Food, water, and fault lines: Remote sensing opportunities for earthquake-response management of agricultural water. <i>Science of the Total Environment</i> , 2016 , 565, 1020-1027	10.2	9
174	Wavelet-Compressed Representation of Landscapes for Hydrologic and Geomorphologic Applications. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 480-484	4.1	6
173	Testing remotely-sensed predictors of meso-carnivore habitat use in Mediterranean ecosystems. <i>Landscape Ecology</i> , 2016 , 31, 1763-1780	4.3	11
172	Burned forest characterization at single-tree level with airborne laser scanning for assessing wildlife habitat. <i>Remote Sensing of Environment</i> , 2016 , 175, 231-241	13.2	37
171	Vegetation Impact and Recovery from Oil-Induced Stress on Three Ecologically Distinct Wetland Sites in the Gulf of Mexico. <i>Journal of Marine Science and Engineering</i> , 2016 , 4, 33	2.4	11
170	Airborne Thermal Imagery to Detect the Seasonal Evolution of Crop Water Status in Peach, Nectarine and Saturn Peach Orchards. <i>Remote Sensing</i> , 2016 , 8, 39	5	66
169	Leaf spectral clusters as potential optical leaf functional types within California ecosystems. <i>Remote Sensing of Environment</i> , 2016 , 184, 229-246	13.2	13
168	The development and first validation of the GOES Early Fire Detection (GOES-EFD) algorithm. <i>Remote Sensing of Environment</i> , 2016 , 184, 436-453	13.2	19
167	Mapping changing distributions of dominant species in oil-contaminated salt marshes of Louisiana using imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2016 , 182, 192-207	13.2	16
166	An introduction to the NASA Hyperspectral InfraRed Imager (HyspIRI) mission and preparatory activities. <i>Remote Sensing of Environment</i> , 2015 , 167, 6-19	13.2	231
165	Canopy clumping appraisal using terrestrial and airborne laser scanning. <i>Remote Sensing of Environment</i> , 2015 , 161, 78-88	13.2	49
164	Estimating light interception in tree crops with digital images of canopy shadow. <i>Precision Agriculture</i> , 2015 , 16, 425-440	5.6	10
163	Ecosystem functional assessment based on the optical type I concept and self-similarity patterns: An application using MODIS-NDVI time series autocorrelation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015 , 43, 132-148	7.3	13
162	Oil detection in the coastal marshes of Louisiana using MESMA applied to band subsets of AVIRIS data. <i>Remote Sensing of Environment</i> , 2015 , 159, 222-231	13.2	30

161	Improved surface temperature estimates with MASTER/AVIRIS sensor fusion. <i>Remote Sensing of Environment</i> , 2015 , 167, 53-63	13.2	15
160	Quantifying environmental limiting factors on tree cover using geospatial data. <i>PLoS ONE</i> , 2015 , 10, e0114648	13.2	9
159	Active canopy sensing of winter wheat nitrogen status: An evaluation of two sensor systems. <i>Computers and Electronics in Agriculture</i> , 2015 , 112, 54-67	6.5	77
158	Estimation of water-related biochemical and biophysical vegetation properties using multitemporal airborne hyperspectral data and its comparison to MODIS spectral response. <i>Remote Sensing of Environment</i> , 2014 , 148, 28-41	13.2	73
157	Detecting diurnal and seasonal variation in canopy water content of nut tree orchards from airborne imaging spectroscopy data using continuous wavelet analysis. <i>Remote Sensing of Environment</i> , 2014 , 143, 39-53	13.2	43
156	Deriving leaf mass per area (LMA) from foliar reflectance across a variety of plant species using continuous wavelet analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 87, 28-38	11.8	76
155	Evaluated Crop Evapotranspiration over a Region of Irrigated Orchards with the Improved ACASAWRF Model. <i>Journal of Hydrometeorology</i> , 2014 , 15, 744-758	3.7	21
154	Improving estimation of summer maize nitrogen status with red edge-based spectral vegetation indices. <i>Field Crops Research</i> , 2014 , 157, 111-123	5.5	146
153	Hyperspectral canopy sensing of paddy rice aboveground biomass at different growth stages. <i>Field Crops Research</i> , 2014 , 155, 42-55	5.5	136
152	Using <i>Pinus uncinata</i> to monitor tropospheric ozone in the Pyrenees. <i>Ecological Indicators</i> , 2014 , 36, 262-281	3.8	9
151	The development of a geographic information system (GIS) database for Jiuzhaigou national nature reserve and its application. <i>Journal of Mountain Science</i> , 2013 , 10, 398-409	2.1	2
150	Using topographic and remotely sensed variables to assess ozone injury to conifers in the Sierra Nevada (USA) and Catalonia (Spain). <i>Remote Sensing of Environment</i> , 2013 , 139, 138-148	13.2	8
149	Detection of diurnal variation in orchard canopy water content using MODIS/ASTER airborne simulator (MASTER) data. <i>Remote Sensing of Environment</i> , 2013 , 132, 1-12	13.2	24
148	Remote sensing of canopy chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 804-5	11.5	52
147	A step decrease in sediment concentration in a highly modified tidal river delta following the 1983 El Niño floods. <i>Marine Geology</i> , 2013 , 345, 304-313	3.3	24
146	Spectroscopic remote sensing of the distribution and persistence of oil from the Deepwater Horizon spill in Barataria Bay marshes. <i>Remote Sensing of Environment</i> , 2013 , 129, 210-230	13.2	92
145	Detection of salt marsh vegetation stress and recovery after the Deepwater Horizon Oil Spill in Barataria Bay, Gulf of Mexico using AVIRIS data. <i>PLoS ONE</i> , 2013 , 8, e78989	3.7	51
144	Remote Sensing of Leaf, Canopy, and Vegetation Water Contents for Satellite Environmental Data Records 2013 , 335-357		3

143	Using LiDAR Data Analysis to Estimate Changes in Insolation Under Large-Scale Riparian Deforestation1. <i>Journal of the American Water Resources Association</i> , 2012 , 48, 939-948	2.1	13
142	Plant community dynamics relative to the changing distribution of a highly invasive species, <i>Eichhornia crassipes</i> : a remote sensing perspective. <i>Biological Invasions</i> , 2012 , 14, 717-733	2.7	23
141	Improving assessments of tropospheric ozone injury to Mediterranean montane conifer forests in California (USA) and Catalonia (Spain) with GIS models related to plant water relations. <i>Atmospheric Environment</i> , 2012 , 62, 41-49	5.3	4
140	Predicting leaf gravimetric water content from foliar reflectance across a range of plant species using continuous wavelet analysis. <i>Journal of Plant Physiology</i> , 2012 , 169, 1134-42	3.6	68
139	Estimating canopy water content from spectroscopy. <i>Israel Journal of Plant Sciences</i> , 2012 , 60, 9-23	0.6	37
138	Assessing levee stability with geometric parameters derived from airborne LiDAR. <i>Remote Sensing of Environment</i> , 2012 , 117, 281-288	13.2	20
137	Burned area mapping time series in Canada (1984-1999) from NOAA-AVHRR LTDR: A comparison with other remote sensing products and fire perimeters. <i>Remote Sensing of Environment</i> , 2012 , 117, 407-414	13.2	36
136	Modeling energy and carbon fluxes in a heterogeneous oak woodland: A three-dimensional approach. <i>Agricultural and Forest Meteorology</i> , 2012 , 152, 83-100	5.8	93
135	Derivation of phenological metrics by function fitting to time-series of Spectral Shape Indexes AS1 and AS2: Mapping cotton phenological stages using MODIS time series. <i>Remote Sensing of Environment</i> , 2012 , 126, 148-159	13.2	30
134	On timeliness and accuracy of wildfire detection by the GOES WF-ABBA algorithm over California during the 2006 fire season. <i>Remote Sensing of Environment</i> , 2012 , 127, 194-209	13.2	29
133	Mapping of freshwater lake wetlands using object-relations and rule-based inference. <i>Chinese Geographical Science</i> , 2012 , 22, 462-471	2.9	2
132	Image spectroscopy and stable isotopes elucidate functional dissimilarity between native and nonnative plant species in the aquatic environment. <i>New Phytologist</i> , 2012 , 193, 683-695	9.8	53
131	Prediction of leaf area index in almonds by vegetation indexes. <i>Computers and Electronics in Agriculture</i> , 2012 , 85, 24-32	6.5	40
130	2012 ,		1
129	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012 , 5, 1572-1584	4.7	21
128	Remote detection of water stress in orchard canopies using MODIS/ASTER airborne simulator (MASTER) data 2011 ,		1
127	Least cost distance analysis for spatial interpolation. <i>Computers and Geosciences</i> , 2011 , 37, 272-276	4.5	20
126	Effects of invasive species on plant communities: an example using submersed aquatic plants at the regional scale. <i>Biological Invasions</i> , 2011 , 13, 443-457	2.7	74

125	Contributions of imaging spectroscopy to improve estimates of evapotranspiration. <i>Hydrological Processes</i> , 2011 , 25, 4069-4081	3.3	10
124	An integrated approach to a biophysiological based classification of floating aquatic macrophytes. <i>International Journal of Remote Sensing</i> , 2011 , 32, 1067-1094	3.1	57
123	Remote sensing of plant functional types. <i>New Phytologist</i> , 2010 , 186, 795-816	9.8	387
122	The effects of temporally variable dispersal and landscape structure on invasive species spread 2010 , 20, 593-608		35
121	Estimation of vegetation water content through GA-PLS modeling of modis reflectance data 2010 ,		1
120	Using hyperspectral remote sensing to detect and quantify southeastern pine senescence effects in red-cockaded woodpecker (<i>Picoides borealis</i>) habitat. <i>Remote Sensing of Environment</i> , 2010 , 114, 1242-1250	13.2	17
119	Quantifying the spatial distribution of soil mass wasting processes after the 2008 earthquake in Wenchuan, China. <i>Remote Sensing of Environment</i> , 2010 , 114, 761-771	13.2	30
118	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009 , 6, 738-742	4.1	9
117	Remote sensing of biological soil crust under simulated climate change manipulations in the Mojave Desert. <i>Remote Sensing of Environment</i> , 2009 , 113, 317-328	13.2	54
116	The contributions of Dr. Alexander F.H. Goetz to imaging spectrometry. <i>Remote Sensing of Environment</i> , 2009 , 113, S2-S4	13.2	9
115	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
114	Earth system science related imaging spectroscopy An assessment. <i>Remote Sensing of Environment</i> , 2009 , 113, S123-S137	13.2	276
113	Selective logging changes forest phenology in the Brazilian Amazon: Evidence from MODIS image time series analysis. <i>Remote Sensing of Environment</i> , 2009 , 113, 2431-2440	13.2	48
112	Effects of microtopography and hydrology on phenology of an invasive herb. <i>Ecography</i> , 2009 , 32, 860-870	5	9
111	Habitat suitability modelling of an invasive plant with advanced remote sensing data. <i>Diversity and Distributions</i> , 2009 , 15, 627-640	5	78
110	PROSPECT + SAIL models: A review of use for vegetation characterization. <i>Remote Sensing of Environment</i> , 2009 , 113, S56-S66	13.2	893
109	Use of Hyperspectral Remote Sensing to Evaluate Efficacy of Aquatic Plant Management. <i>Invasive Plant Science and Management</i> , 2009 , 2, 216-229	1	30
108	Mapping Fire Risk in Mediterranean Ecosystems of California: Vegetation type, Density, Invasive Species, and Fire Frequency 2009 , 41-53		2

107	Estimation of Fuel Conditions for Fire Danger Assessment 2009 , 83-96		5
106	Influence of atmospheric and sea-surface corrections on retrieval of bottom depth and reflectance using a semi-analytical model: a case study in Kaneohe Bay, Hawaii. <i>Applied Optics</i> , 2008 , 47, F1-F11	0.2	59
105	Mapping Downy Brome (<i>Bromus tectorum</i>) Using Multidate AVIRIS Data. <i>Weed Science</i> , 2008 , 56, 173-179		37
104	Flux partitioning in an old-growth forest: seasonal and interannual dynamics. <i>Tree Physiology</i> , 2008 , 28, 509-20	4.2	75
103	Retrieval of vegetation equivalent water thickness from reflectance using genetic algorithm (GA)-partial least squares (PLS) regression. <i>Advances in Space Research</i> , 2008 , 41, 1755-1763	2.4	60
102	Water content estimation from hyperspectral images and MODIS indexes in Southeastern Arizona. <i>Remote Sensing of Environment</i> , 2008 , 112, 363-374	13.2	71
101	Vegetation water content during SMEX04 from ground data and Landsat 5 Thematic Mapper imagery. <i>Remote Sensing of Environment</i> , 2008 , 112, 350-362	13.2	81
100	Multi-temporal vegetation canopy water content retrieval and interpretation using artificial neural networks for the continental USA. <i>Remote Sensing of Environment</i> , 2008 , 112, 203-215	13.2	108
99	Identification of invasive vegetation using hyperspectral remote sensing in the California Delta ecosystem. <i>Remote Sensing of Environment</i> , 2008 , 112, 4034-4047	13.2	227
98	PROSPECT-4 and 5: Advances in the leaf optical properties model separating photosynthetic pigments. <i>Remote Sensing of Environment</i> , 2008 , 112, 3030-3043	13.2	583
97	The role of environmental context in mapping invasive plants with hyperspectral image data. <i>Remote Sensing of Environment</i> , 2008 , 112, 4301-4317	13.2	138
96	Mapping mountain vegetation using species distribution modeling, image-based texture analysis, and object-based classification. <i>Applied Vegetation Science</i> , 2008 , 11, 499-508	3.3	47
95	Burned area forecasting using past burned area records and Southern Oscillation Index for tropical Africa (1981-1999). <i>Remote Sensing of Environment</i> , 2007 , 107, 571-581	13.2	23
94	Development of angle indexes for soil moisture estimation, dry matter detection and land-cover discrimination. <i>Remote Sensing of Environment</i> , 2007 , 109, 154-165	13.2	85
93	Early fire detection using non-linear multitemporal prediction of thermal imagery. <i>Remote Sensing of Environment</i> , 2007 , 110, 18-28	13.2	33
92	Global spatial patterns and temporal trends of burned area between 1981 and 2000 using NOAA-NASA Pathfinder. <i>Global Change Biology</i> , 2007 , 13, 40-50	11.4	74
91	A comparison of spatial and spectral image resolution for mapping invasive plants in coastal California. <i>Environmental Management</i> , 2007 , 39, 63-83	3.1	65
90	Modeling shallow water table evaporation in irrigated regions. <i>Irrigation and Drainage Systems</i> , 2007 , 21, 119-132		15

89	Impact of pixel size on mapping surface water in subsolar imagery. <i>Remote Sensing of Environment</i> , 2007 , 109, 1-9	13.2	4
88	Sulfide eruptions and gypsum blooms in the Salton Sea as detected by satellite imagery, 1979-2006. <i>Lake and Reservoir Management</i> , 2007 , 23, 637-652	1.3	13
87	Classification of benthic composition in a coral reef environment using spectral unmixing. <i>Journal of Applied Remote Sensing</i> , 2007 , 1, 011501	1.4	47
86	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007 , 4, 216-220	4.1	71
85	Estimation of shrub height for fuel-type mapping combining airborne LiDAR and simultaneous color infrared ortho imaging. <i>International Journal of Wildland Fire</i> , 2007 , 16, 341	3.2	94
84	Use of lidar to study changes associated with <i>Spartina</i> invasion in San Francisco Bay marshes. <i>Remote Sensing of Environment</i> , 2006 , 100, 295-306	13.2	112
83	Estimating vegetation water content with hyperspectral data for different canopy scenarios: Relationships between AVIRIS and MODIS indexes. <i>Remote Sensing of Environment</i> , 2006 , 105, 354-366	13.2	125
82	Improving image derived vegetation maps with regression based distribution modeling. <i>Ecological Modelling</i> , 2006 , 192, 126-142	3	14
81	Identifying and classifying water hyacinth (<i>Eichhornia crassipes</i>) using the HyMap sensor 2006 , 6298, 35		3
80	HIAPER: THE NEXT GENERATION NSF/NCAR RESEARCH AIRCRAFT. <i>Bulletin of the American Meteorological Society</i> , 2006 , 87, 896-910	6.1	34
79	Hyperspectral mapping of crop and soils for precision agriculture 2006 , 6298, 84		11
78	Canopy water content estimates with AVIRIS imagery and MODIS reflectance products 2006 ,		1
77	Spectral and physiological uniqueness of perennial pepperweed (<i>Lepidium latifolium</i>). <i>Weed Science</i> , 2006 , 54, 1051-1062	2	33
76	A Bottom-up Approach to Vegetation Mapping of the Lake Tahoe Basin Using Hyperspatial Image Analysis. <i>Photogrammetric Engineering and Remote Sensing</i> , 2006 , 72, 581-589	1.6	18
75	Mapping invasive aquatic vegetation in the Sacramento-San Joaquin Delta using hyperspectral imagery. <i>Environmental Monitoring and Assessment</i> , 2006 , 121, 47-64	3.1	65
74	Reflectance properties and physiological responses of <i>Salicornia virginica</i> to heavy metal and petroleum contamination. <i>Environmental Pollution</i> , 2005 , 137, 241-52	9.3	136
73	Application of AVIRIS data in detection of oil-induced vegetation stress and cover change at Jornada, New Mexico. <i>Remote Sensing of Environment</i> , 2005 , 94, 1-16	13.2	71
72	Survival analysis of a neotropical rainforest using multitemporal satellite imagery. <i>Remote Sensing of Environment</i> , 2005 , 96, 202-211	13.2	26

71	Shadow allometry: Estimating tree structural parameters using hyperspatial image analysis. <i>Remote Sensing of Environment</i> , 2005 , 97, 15-25	13.2	62
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