

Frantisek Zemek

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

834
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1240
citing authors

#	ARTICLE	IF	CITATIONS
1	Sun-induced fluorescence – a new probe of photosynthesis: First maps from the imaging spectrometer HyPlant. <i>Global Change Biology</i> , 2015, 21, 4673-4684.	9.5	213
2	Red and far red Sun-induced chlorophyll fluorescence as a measure of plant photosynthesis. <i>Geophysical Research Letters</i> , 2015, 42, 1632-1639.	4.0	171
3	Scientific and technical challenges in remote sensing of plant canopy reflectance and fluorescence. <i>Journal of Experimental Botany</i> , 2009, 60, 2987-3004.	4.8	135
4	The High-Performance Airborne Imaging Spectrometer HyPlant – From Raw Images to Top-of-Canopy Reflectance and Fluorescence Products: Introduction of an Automatized Processing Chain. <i>Remote Sensing</i> , 2019, 11, 2760.	4.0	53
5	Long-term functioning of a species-rich mountain meadow under different management regimes. <i>Agriculture, Ecosystems and Environment</i> , 2009, 132, 192-202.	5.3	42
6	Mapping forest aboveground biomass using airborne hyperspectral and LiDAR data in the mountainous conditions of Central Europe. <i>Ecological Engineering</i> , 2017, 100, 219-230.	3.6	42
7	Positive long-term effect of mulching on species and functional trait diversity in a nutrient-poor mountain meadow in Central Europe. <i>Agriculture, Ecosystems and Environment</i> , 2011, 145, 10-28.	5.3	40
8	Analysis of land consolidation projects and their impact on land use change, landscape structure, and agricultural land resource protection: case studies of Pilsen-South and Pilsen-North (Czech). <i>Overlock 10 T 50 457 To</i>	10.0	150
9	Improved Temperature and Emissivity Separation Algorithm for Multispectral and Hyperspectral Sensors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1944-1953.	6.3	26
10	Spatial distribution of dental fluorosis in roe deer (<i>Capreolus capreolus</i>) from North Bohemia (Czech). <i>Overlock 10 T 50 457 To</i> 370, 491-505.	8.0	19
11	Comparison of Global and Continental Land Cover Products for Selected Study Areas in South Central and Eastern European Region. <i>Remote Sensing</i> , 2018, 10, 1967.	4.0	17
12	Relationships between the normalised difference vegetation index and temperature fluctuations in post-mining sites. <i>International Journal of Mining, Reclamation and Environment</i> , 2018, 32, 254-263.	2.8	11
13	Habitat requirements of the long-tailed ground squirrel (<i>Spermophilus undulatus</i>) in the southern Altai. <i>Journal of Zoology</i> , 2006, 270, 060606025751010-???	1.7	10
14	Composite indicator for monitoring of Norway spruce stand decline. <i>European Journal of Remote Sensing</i> , 2017, 50, 550-563.	3.5	9
15	Spectral monitoring of wheat canopy under uncontrolled conditions for decision making purposes. <i>Computers and Electronics in Agriculture</i> , 2016, 125, 81-88.	7.7	6
16	Predicting the toxicity of post-mining substrates, a case study based on laboratory tests, substrate chemistry, geographic information systems and remote sensing. <i>Ecological Engineering</i> , 2017, 100, 56-62.	3.6	4
17	Advantage of multispectral imaging with sub-centimeter resolution in precision agriculture: generalization of training for supervised classification. <i>Precision Agriculture</i> , 2017, 18, 615-634.	6.0	4
18	A Spectral Emissivity Library of Spoil Substrates. <i>Data</i> , 2016, 1, 12.	2.3	2

#	ARTICLE	IF	CITATIONS
19	EVALUATING THE POTENTIAL OF SATELLITE HYPERSPECTRAL RESURS-P DATA FOR FOREST SPECIES CLASSIFICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B1, 443-448.	0.2	2
20	VISUALISATION OF DEPENDENCIES BETWEEN CITY STRUCTURE AND THERMAL BEHAVIOUR IN BRNO. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B2, 741-745.	0.2	0