

Mohammadmehdi Saberioon

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.

45
papers

958
citations

16
h-index

30
g-index

54
ext. papers

1,295
ext. citations

4.1
avg, IF

4.84
L-index

#	Paper	IF	Citations
45	Mobile Computing for Pest and Disease Management Using Spectral Signature Analysis: A Review. <i>Agronomy</i> , 2022 , 12, 967	3.6	1
44	How Can Unmanned Aerial Vehicles Be Used for Detecting Weeds in Agricultural Fields?. <i>Agriculture (Switzerland)</i> , 2021 , 11, 1004	3	5
43	Satellite Imagery for Monitoring and Mapping Soil Chromium Pollution in a Mine Waste Dump. <i>Remote Sensing</i> , 2021 , 13, 1277	5	2
42	Automatic individual non-invasive photo-identification of fish (Sumatra barb <i>Puntigrus tetrazona</i>) using visible patterns on a body. <i>Aquaculture International</i> , 2021 , 29, 1481-1493	2.6	3
41	Towards Fish Individuality-Based Aquaculture. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4356-4366	4.36	1
40	National-scale spectroscopic assessment of soil organic carbon in forests of the Czech Republic. <i>Geoderma</i> , 2021 , 385, 114832	6.7	7
39	vis-NIR and XRF Data Fusion and Feature Selection to Estimate Potentially Toxic Elements in Soil. <i>Sensors</i> , 2021 , 21,	3.8	3
38	Computer vision based individual fish identification using skin dot pattern. <i>Scientific Reports</i> , 2021 , 11, 16904	4.9	4
37	Exploring the Suitability of UAS-Based Multispectral Images for Estimating Soil Organic Carbon: Comparison with Proximal Soil Sensing and Spaceborne Imagery. <i>Remote Sensing</i> , 2021 , 13, 308	5	7
36	Experimental & Computational Fluid Dynamics Study of the Suitability of Different Solid Feed Pellets for Aquaculture Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6954	2.6	0
35	Chlorophyll-a and total suspended solids retrieval and mapping using Sentinel-2A and machine learning for inland waters. <i>Ecological Indicators</i> , 2020 , 113, 106236	5.8	30
34	Proximal Soil Sensing for Soil Monitoring. <i>Springer Water</i> , 2020 , 95-118	0.3	
33	Modelling potentially toxic elements in forest soils with vis-NIR spectra and learning algorithms. <i>Environmental Pollution</i> , 2020 , 267, 115574	9.3	15
32	Spectroscopic measurements and imaging of soil colour for field scale estimation of soil organic carbon. <i>Geoderma</i> , 2020 , 357, 113972	6.7	28
31	Spectral imaging application to discriminate different diets of live rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Computers and Electronics in Agriculture</i> , 2019 , 165, 104949	6.5	3
30	Segmentation of Laterally Symmetric Overlapping Objects: Application to Images of Collective Animal Behavior. <i>Symmetry</i> , 2019 , 11, 866	2.7	1
29	Monitoring of selected soil contaminants using proximal and remote sensing techniques: Background, state-of-the-art and future perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 2018 , 48, 243-278	11.1	38

28	Comparative Performance Analysis of Support Vector Machine, Random Forest, Logistic Regression and k-Nearest Neighbours in Rainbow Trout (<i>Oncorhynchus Mykiss</i>) Classification Using Image-Based Features. <i>Sensors</i> , 2018 , 18,	3.8	26
27	Fully contactless system for crayfish heartbeat monitoring: Undisturbed crayfish as bio-indicator. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 29-34	8.5	8
26	Soil organic carbon and texture retrieving and mapping using proximal, airborne and Sentinel-2 spectral imaging. <i>Remote Sensing of Environment</i> , 2018 , 218, 89-103	13.2	148
25	Examining the Performance of PARACUDA-II Data-Mining Engine versus Selected Techniques to Model Soil Carbon from Reflectance Spectra. <i>Remote Sensing</i> , 2018 , 10, 1172	5	18
24	Automated within tank fish mass estimation using infrared reflection system. <i>Computers and Electronics in Agriculture</i> , 2018 , 150, 484-492	6.5	19
23	Application of machine vision systems in aquaculture with emphasis on fish: state-of-the-art and key issues. <i>Reviews in Aquaculture</i> , 2017 , 9, 369-387	8.9	88
22	Leaf chlorophyll and nitrogen dynamics and their relationship to lowland rice yield for site-specific paddy management. <i>Information Processing in Agriculture</i> , 2017 , 4, 259-268	4.2	30
21	Automated multiple fish tracking in three-Dimension using a Structured Light Sensor. <i>Computers and Electronics in Agriculture</i> , 2016 , 121, 215-221	6.5	38
20	Least Information Loss (LIL) Conversion of Digital Images and Lessons Learned for Scientific Image Inspection. <i>Lecture Notes in Computer Science</i> , 2016 , 527-536	0.9	4
19	Comparing different data preprocessing methods for monitoring soil heavy metals based on soil spectral features. <i>Soil and Water Research</i> , 2016 , 10, 218-227	2.5	81
18	A Memory-Based Learning Approach as Compared to Other Data Mining Algorithms for the Prediction of Soil Texture Using Diffuse Reflectance Spectra. <i>Remote Sensing</i> , 2016 , 8, 341	5	34
17	Spatial soil analysis using geostatistical analysis and map Algebra. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 9775-9788	1.8	1
16	Estimation of potentially toxic elements contamination in anthropogenic soils on a brown coal mining dumpsite by reflectance spectroscopy: a case study. <i>PLoS ONE</i> , 2015 , 10, e0117457	3.7	51
15	A Spectroscopic Approach to Assess Potentially Toxic Elements of Reclaimed Dumpsites in the Czech Republic. <i>International Journal of Environmental Science and Development</i> , 2015 , 6, 571-575	0.4	4
14	Assessment of rice leaf chlorophyll content using visible bands at different growth stages at both the leaf and canopy scale. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014 , 32, 35-45	7.3	90
13	Models for Estimating the Physical Properties of Paddy Soil Using Visible and Near Infrared Reflectance Spectroscopy. <i>Journal of Applied Spectroscopy</i> , 2014 , 81, 534-540	0.7	18
12	A Review of Optical Methods for Assessing Nitrogen Contents during Rice Growth. <i>Applied Engineering in Agriculture</i> , 2014 , 657-669	0.8	5
11	Visible, near-infrared, and mid-infrared spectroscopy applications for soil assessment with emphasis on soil organic matter content and quality: state-of-the-art and key issues. <i>Applied Spectroscopy</i> , 2013 , 67, 1349-62	3.1	97

10	Testing of evaporation reduction methods in humid climates. <i>Water Management</i> , 2013 , 166, 207-216	1	4
9	Paddy soil nutrient assessment using visible and near infrared reflectance spectroscopy 2013 ,		1
8	Relationship between apparent electrical conductivity and soil physical properties in a Malaysian paddy field. <i>Archives of Agronomy and Soil Science</i> , 2012 , 58, 155-168	2	4
7	Identification of homogenous regions in Gorganrood basin (Iran) for the purpose of regionalization. <i>Natural Hazards</i> , 2012 , 61, 1427-1442	3	13
6	THE SPATIAL DISTRIBUTION OF APIS DORSATA HOST PLANTS USING AN INTEGRATED GEOGRAPHICAL INFORMATION SYSTEM-REMOTE SENSING APPROACH. <i>American Journal of Agricultural and Biological Science</i> , 2012 , 7, 396-406	1.7	3
5	The Study on the Effect of Different Levels of Zeolit and Water Stress on Growth, Development and Essential Oil Content of Moldavian Balm (<i>Dracocephalum moldavica</i> L.). <i>American Journal of Applied Sciences</i> , 2010 , 7, 33-37	0.8	3
4	Predict Location(s) of Apis dorsata Nesting Sites Using Remote Sensing and Geographic Information System in Melaleuca Foresti. <i>American Journal of Applied Sciences</i> , 2010 , 7, 252-259	0.8	4
3	The importance of sullage (grey-water) treatment in the restoration and conservation of urban streams. <i>International Journal of River Basin Management</i> , 2005 , 3, 223-227	1.7	1
2	NOVEL APPROACH FOR ESTIMATING NITROGEN CONTENT IN PADDY FIELDS USING LOW ALTITUDE REMOTE SENSING SYSTEM. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XLI-B1, 1011-1015	2.5	10
1	NOVEL APPROACH FOR ESTIMATING NITROGEN CONTENT IN PADDY FIELDS USING LOW ALTITUDE REMOTE SENSING SYSTEM. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XLI-B1, 1011-1015	2.5	5