

# Melba

## List of Publications by Year in descending order

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57  
papers

2,022  
citations

377584

21  
h-index

406436

35  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curvature Filters-Based Multiscale Feature Extraction for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	8
2	Hyperspectral Indices for Predicting Nitrogen Use Efficiency in Maize Hybrids. Remote Sensing, 2022, 14, 1721.	1.8	5
3	New Orthophoto Generation Strategies from UAV and Ground Remote Sensing Platforms for High-Throughput Phenotyping. Remote Sensing, 2021, 13, 860.	1.8	20
4	Evaluating soil water routing approaches in watershed-scale, ecohydrologic modelling. Hydrological Processes, 2021, 35, e14034.	1.1	3
5	Advancing Tassel Detection and Counting: Annotation and Algorithms. Remote Sensing, 2021, 13, 2881.	1.8	10
6	Strong sensitivity of watershed-scale, ecohydrologic model predictions to soil moisture. Environmental Modelling and Software, 2021, 144, 105162.	1.9	4
7	Multi-Year Sorghum Biomass Prediction with UAV-Based Remote Sensing Data. , 2021, , .		2
8	Detection of Outliers in LiDAR Data Acquired by Multiple Platforms over Sorghum and Maize. Remote Sensing, 2021, 13, 4445.	1.8	3
9	Field-Based Plot Extraction Using UAV RGB Images. , 2021, , .		4
10	Estimating Leaf Area Index in Row Crops Using Wheel-Based and Airborne Discrete Return Light Detection and Ranging Data. Frontiers in Plant Science, 2021, 12, 740322.	1.7	3
11	An Adaptive Multiview Active Learning Approach for Spectral-Spatial Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2557-2570.	2.7	31
12	Deep Transfer Learning For Plant Center Localization. , 2020, , .		10
13	Automatic Plant Counting and Location Based on a Few-Shot Learning Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5872-5886.	2.3	31
14	Multi-Temporal Predictive Modelling of Sorghum Biomass Using UAV-Based Hyperspectral and LiDAR Data. Remote Sensing, 2020, 12, 3587.	1.8	20
15	Prediction of Sorghum Biomass Using Uav Time Series Data and Recurrent Neural Networks. , 2019, , .		5
16	Centroid and Covariance Alignment-Based Domain Adaptation for Unsupervised Classification of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2305-2323.	2.7	59
17	Boresight Calibration of GNSS/INS-Assisted Push-Broom Hyperspectral Scanners on UAV Platforms. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1734-1749.	2.3	37
18	Multi-Sensor Integration Onboard a UAV-Based Mobile Mapping System for Agricultural Management. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Active Manifold Learning for Hyperspectral Image Classification. , 2018, , .		0
20	Wheel-Based Lidar Data for Plant Height and Canopy Cover Evaluation to Aid Biomass Prediction. , 2018, , .		1
21	Implementation of UAV-Based Lidar for High Throughput Phenotyping. , 2018, , .		6
22	Improving Orthorectification of UAV-Based Push-Broom Scanner Imagery Using Derived Orthophotos From Frame Cameras. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 262-276.	2.3	46
23	A Batch-Mode Regularized Multimetric Active Learning Framework for Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6594-6609.	2.7	20
24	Prediction of sorghum biomass based on image based features derived from time series of UAV images. , 2017, , .		12
25	Comparative Analysis of HRU and Grid-Based SWAT Models. Water (Switzerland), 2017, 9, 272.	1.2	36
26	Extending out-of-sample manifold learning via meta-modelling techniques. , 2017, , .		3
27	Automated Ortho-Rectification of UAV-Based Hyperspectral Data over an Agricultural Field Using Frame RGB Imagery. Remote Sensing, 2016, 8, 796.	1.8	47
28	Semi-supervised multi-metric active learning for classification of hyperspectral images. , 2016, , .		2
29	A regularized multi-metric active learning framework for hyperspectral image classification. , 2016, , .		0
30	Multimetric Active Learning for Classification of Remote Sensing Data. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1007-1011.	1.4	12
31	Wavelet-Domain Multiview Active Learning for Spatial-Spectral Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4047-4059.	2.3	31
32	An Active Learning Framework for Hyperspectral Image Classification Using Hierarchical Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 640-654.	2.3	78
33	Domain Adaptation With Preservation of Manifold Geometry for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 543-555.	2.3	48
34	Spectral and Spatial Proximity-Based Manifold Alignment for Multitemporal Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 51-64.	2.7	64
35	An ensemble active learning approach for spectral-spatial classification of hyperspectral images. , 2015, , .		3
36	Ensemble Multiple Kernel Active Learning For Classification of Multisource Remote Sensing Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 845-858.	2.3	70

#	ARTICLE	IF	CITATIONS
37	Local-Manifold-Learning-Based Graph Construction for Semisupervised Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2832-2844.	2.7	105
38	Wavelet domain multi-view active learning for hyperspectral image analysis. , 2014, , .		5
39	Combining active and metric learning for hyperspectral image classification. , 2014, , .		0
40	Wavelet domain active learning for robust classification of full-waveform LiDAR data. , 2014, , .		0
41	A Framework for Land Cover Classification Using Discrete Return LiDAR Data: Adopting Pseudo-Waveform and Hierarchical Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 491-502.	2.3	40
42	Active Landmark Sampling for Manifold Learning Based Spectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1881-1885.	1.4	4
43	Spectral Unmixing-Based Crop Residue Estimation Using Hyperspectral Remote Sensing Data: A Case Study at Purdue University. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2531-2539.	2.3	35
44	Active Learning: Any Value for Classification of Remotely Sensed Data?. Proceedings of the IEEE, 2013, 101, 593-608.	16.4	144
45	Feature Mining for Hyperspectral Image Classification. Proceedings of the IEEE, 2013, 101, 676-697.	16.4	321
46	Exploiting spectral-spatial proximity for classification of hyperspectral data on manifolds. , 2012, , .		7
47	Landmark selection using homogeneity on nonlinear manifolds for unmixing hyperspectral data. , 2012, , .		3
48	Selection of Landmark Points on Nonlinear Manifolds for Spectral Unmixing Using Local Homogeneity. IEEE Geoscience and Remote Sensing Letters, 2012, 10, 711-715.	1.4	22
49	Extraction of Features From LIDAR Waveform Data for Characterizing Forest Structure. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 492-496.	1.4	17
50	Manifold alignment for classification of multitemporal hyperspectral data. , 2011, , .		3
51	Local Manifold Learning-Based $k$ -Nearest-Neighbor for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2010, , .	2.7	210
52	Adaptive Classification for Hyperspectral Image Data Using Manifold Regularization Kernel Machines. IEEE Transactions on Geoscience and Remote Sensing, 2010, , .	2.7	63
53	Foreword to the Special Issue on Hyperspectral Image and Signal Processing. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3871-3876.	2.7	16
54	Locally consistent graph regularization based active learning for hyperspectral image classification. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
55	Multi-view adaptive disagreement based active learning for hyperspectral image classification. , 2010, , .		18
56	An Active Learning Approach to Hyperspectral Data Classification. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1231-1242.	2.7	259
57	An Active Learning Approach to Knowledge Transfer for Hyperspectral Data Analysis. , 2006, , .		5