

# Mathieu Fauvel

## List of Publications by Year in descending order

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24  
papers

3,509  
citations

687363

13  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Supervised Classification and Reconstruction of Irregularly Sampled Satellite Image Times Series. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	9
2	Building a shared vision of the future for multifunctional agricultural landscapes. Lessons from a long term socio-ecological research site in south-western France. Advances in Ecological Research, 2021, , 57-106.	2.7	10
3	Matrix cofactorization for joint representation learning and supervised classification “ Application to hyperspectral image analysis. Neurocomputing, 2020, 385, 132-147.	5.9	2
4	Prediction of plant diversity in grasslands using Sentinel-1 and -2 satellite image time series. Remote Sensing of Environment, 2020, 237, 111536.	11.0	59
5	Hierarchical Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing with Spectral Variability. Remote Sensing, 2020, 12, 2326.	4.0	6
6	Matrix Cofactorization for Joint Spatial“Spectral Unmixing of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4915-4927.	6.3	7
7	Hierarchical Bayesian image analysis: From low-level modeling to robust supervised learning. Pattern Recognition, 2019, 85, 26-36.	8.1	6
8	Statistical Stability and Spatial Instability in Mapping Forest Tree Species by Comparing 9 Years of Satellite Image Time Series. Remote Sensing, 2019, 11, 2512.	4.0	15
9	Hyperspectral Unmixing With Spectral Variability Using Adaptive Bundles and Double Sparsity. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3980-3992.	6.3	41
10	Object-based fusion for urban tree species classification from hyperspectral, panchromatic and nDSM data. International Journal of Remote Sensing, 2019, 40, 5339-5365.	2.9	12
11	Nonparametric regression on contaminated functional predictor with application to hyperspectral data. Econometrics and Statistics, 2019, 9, 95-107.	0.8	5
12	Hyperspectral Image Unmixing With LiDAR Data-Aided Spatial Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4098-4108.	6.3	26
13	Experimental comparison of functional and multivariate spectral-based supervised classification methods in hyperspectral image. Journal of Applied Statistics, 2018, 45, 2219-2237.	1.3	2
14	Detection of individual trees in urban alignment from airborne data and contextual information: A marked point process approach. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 197-210.	11.1	20
15	Large-Scale Feature Selection With Gaussian Mixture Models for the Classification of High Dimensional Remote Sensing Images. IEEE Transactions on Computational Imaging, 2017, 3, 230-242.	4.4	41
16	Object-Based Classification of Grasslands from High Resolution Satellite Image Time Series Using Gaussian Mean Map Kernels. Remote Sensing, 2017, 9, 688.	4.0	20
17	Spectro-Temporal Heterogeneity Measures from Dense High Spatial Resolution Satellite Image Time Series: Application to Grassland Species Diversity Estimation. Remote Sensing, 2017, 9, 993.	4.0	34
18	Tree Species Classification in Temperate Forests Using Formosat-2 Satellite Image Time Series. Remote Sensing, 2016, 8, 734.	4.0	63

#	ARTICLE	IF	CITATIONS
19	Parsimonious Gaussian Process Models for the Classification of Hyperspectral Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2423-2427.	3.1	4
20	Vectorisation automatique des forêts dans les minutes de la carte d'état-major du 19 <sup>e</sup> siècle. Revue Internationale De Géomatique, 2015, 25, 35-51.	0.1	5
21	SVM- and MRF-Based Method for Accurate Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 736-740.	3.1	651
22	A classifier ensemble based on fusion of support vector machines for classifying hyperspectral data. International Journal of Image and Data Fusion, 2010, 1, 293-307.	1.7	89
23	Recent advances in techniques for hyperspectral image processing. Remote Sensing of Environment, 2009, 113, S110-S122.	11.0	1,452
24	Spectral and Spatial Classification of Hyperspectral Data Using SVMs and Morphological Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3804-3814.	6.3	930