

# Gustau Camps-Valls

## List of Publications by Citations

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343  
papers

17,545  
citations

61  
h-index

128  
g-index

411  
ext. papers

21,537  
ext. citations

6.8  
avg, IF

7.09  
L-index

#	Paper	IF	Citations
343	Recent advances in techniques for hyperspectral image processing. <i>Remote Sensing of Environment</i> , <b>2009</b> , 113, S110-S122	13.2	1102
342	Hyperspectral Remote Sensing Data Analysis and Future Challenges. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2013</b> , 1, 6-36	8.9	1055
341	Deep learning and process understanding for data-driven Earth system science. <i>Nature</i> , <b>2019</b> , 566, 195-204	30.4	974
340	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2005</b> , 43, 1351-1362	8.1	943
339	. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2006</b> , 3, 93-97	4.1	777
338	Global and time-resolved monitoring of crop photosynthesis with chlorophyll fluorescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E1327-33	11.5	577
337	Advances in Hyperspectral Image Classification: Earth Monitoring with Statistical Learning Methods. <i>IEEE Signal Processing Magazine</i> , <b>2014</b> , 31, 45-54	9.4	447
336	Unsupervised Deep Feature Extraction for Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 1349-1362	8.1	446
335	Semi-Supervised Graph-Based Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 3044-3054	8.1	435
334	Classification of Hyperspectral Images With Regularized Linear Discriminant Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 862-873	8.1	396
333	Compensatory water effects link yearly global land CO sink changes to temperature. <i>Nature</i> , <b>2017</b> , 541, 516-520	50.4	341
332	Optical remote sensing and the retrieval of terrestrial vegetation bio-geophysical properties [A review]. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 108, 273-290	11.8	326
331	Machine learning regression algorithms for biophysical parameter retrieval: Opportunities for Sentinel-2 and -3. <i>Remote Sensing of Environment</i> , <b>2012</b> , 118, 127-139	13.2	302
330	Predicting carbon dioxide and energy fluxes across global FLUXNET sites with regression algorithms. <i>Biogeosciences</i> , <b>2016</b> , 13, 4291-4313	4.6	291
329	Kernel-Based Framework for Multitemporal and Multisource Remote Sensing Data Classification and Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2008</b> , 46, 1822-1835	8.1	251
328	Semisupervised Neural Networks for Efficient Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> , 48, 2271-2282	8.1	237
327	GEOV1: LAI, FAPAR essential climate variables and FCOVER global time series capitalizing over existing products. Part 2: Validation and intercomparison with reference products. <i>Remote Sensing of Environment</i> , <b>2013</b> , 137, 310-329	13.2	227

326	. <i>Proceedings of the IEEE</i> , <b>2015</b> , 103, 1560-1584	14.3	201
325	Semisupervised Image Classification With Laplacian Support Vector Machines. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2008</b> , 5, 336-340	4.1	198
324	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2004</b> , 42, 1530-1542	8.1	196
323	Experimental Sentinel-2 LAI estimation using parametric, non-parametric and physical retrieval methods A comparison. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 108, 260-272	11.8	174
322	Multioutput Support Vector Regression for Remote Sensing Biophysical Parameter Estimation. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2011</b> , 8, 804-808	4.1	173
321	Semisupervised One-Class Support Vector Machines for Classification of Remote Sensing Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> , 48, 3188-3197	8.1	171
320	Learning Relevant Image Features With Multiple-Kernel Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> , 48, 3780-3791	8.1	160
319	Retrieval of Vegetation Biophysical Parameters Using Gaussian Process Techniques. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2012</b> , 50, 1832-1843	8.1	157
318	Inferring causation from time series in Earth system sciences. <i>Nature Communications</i> , <b>2019</b> , 10, 2553	17.4	153
317	The FLUXCOM ensemble of global land-atmosphere energy fluxes. <i>Scientific Data</i> , <b>2019</b> , 6, 74	8.2	152
316	Quantifying Vegetation Biophysical Variables from Imaging Spectroscopy Data: A Review on Retrieval Methods. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 589-629	7.6	146
315	Scaling carbon fluxes from eddy covariance sites to globe: synthesis and evaluation of the FLUXCOM approach. <i>Biogeosciences</i> , <b>2020</b> , 17, 1343-1365	4.6	134
314	Robust support vector regression for biophysical variable estimation from remotely sensed images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2006</b> , 3, 339-343	4.1	115
313	A Support Vector Domain Description Approach to Supervised Classification of Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 2683-2692	8.1	111
312	Multitemporal fusion of Landsat/TM and ENVISAT/MERIS for crop monitoring. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 23, 132-141	7.3	110
311	Optimal modalities for radiative transfer-neural network estimation of canopy biophysical characteristics: Evaluation over an agricultural area with CHRIS/PROBA observations. <i>Remote Sensing of Environment</i> , <b>2011</b> , 115, 415-426	13.2	110
310	. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2016</b> , 4, 58-78	8.9	107
309	Hyperspectral system for early detection of rottenness caused by <i>Penicillium digitatum</i> in mandarins. <i>Journal of Food Engineering</i> , <b>2008</b> , 89, 80-86	6	107

308	Multitemporal and multiresolution leaf area index retrieval for operational local rice crop monitoring. <i>Remote Sensing of Environment</i> , <b>2016</b> , 187, 102-118	13.2	104
307	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 7708-7720	8.1	104
306	Spectral band selection for vegetation properties retrieval using Gaussian processes regression. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2016</b> , 52, 554-567	7.3	103
305	A Composite Semisupervised SVM for Classification of Hyperspectral Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2009</b> , 6, 234-238	4.1	102
304	Spatio-Spectral Remote Sensing Image Classification With Graph Kernels. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2010</b> , 7, 741-745	4.1	102
303	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 4105-4118	8.1	101
302	Gaussian processes uncertainty estimates in experimental Sentinel-2 LAI and leaf chlorophyll content retrieval. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 86, 157-167	11.8	93
301	Semisupervised Remote Sensing Image Classification With Cluster Kernels. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2009</b> , 6, 224-228	4.1	93
300	Spectral alignment of multi-temporal cross-sensor images with automated kernel canonical correlation analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 107, 50-63	11.8	88
299	Automatic correction of the effects of the light source on spherical objects. An application to the analysis of hyperspectral images of citrus fruits. <i>Journal of Food Engineering</i> , <b>2008</b> , 85, 191-200	6	88
298	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2010</b> , 48, 207-220	8.1	87
297	Support vector machines in engineering: an overview. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , <b>2014</b> , 4, 234-267	6.9	79
296	Retrieval of oceanic chlorophyll concentration with relevance vector machines. <i>Remote Sensing of Environment</i> , <b>2006</b> , 105, 23-33	13.2	78
295	Retrieval of Biophysical Parameters With Heteroscedastic Gaussian Processes. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2014</b> , 11, 838-842	4.1	77
294	Kernel Multivariate Analysis Framework for Supervised Subspace Learning: A Tutorial on Linear and Kernel Multivariate Methods. <i>IEEE Signal Processing Magazine</i> , <b>2013</b> , 30, 16-29	9.4	72
293	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2013</b> , 6, 867-874	4.7	72
292	Multisource Composite Kernels for Urban-Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2010</b> , 7, 88-92	4.1	71
291	Uncertainty analysis of gross primary production upscaling using Random Forests, remote sensing and eddy covariance data. <i>Remote Sensing of Environment</i> , <b>2015</b> , 168, 360-373	13.2	70

290	Toward a Semiautomatic Machine Learning Retrieval of Biophysical Parameters. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2014</b> , 7, 1249-1259	4.7	67
289	Unsupervised Change Detection With Kernels. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2012</b> , 9, 1026-1030	4.1	66
288	Semisupervised Classification of Remote Sensing Images With Active Queries. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2012</b> , 50, 3751-3763	8.1	65
287	A support vector domain method for change detection in multitemporal images. <i>Pattern Recognition Letters</i> , <b>2010</b> , 31, 1148-1154	4.7	65
286	Processing of Extremely High-Resolution LiDAR and RGB Data: Outcome of the 2015 IEEE GRSS Data Fusion Contest Part A: 2-D Contest. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 5547-5559	4.7	64
285	Estimating crop primary productivity with Sentinel-2 and Landsat 8 using machine learning methods trained with radiative transfer simulations. <i>Remote Sensing of Environment</i> , <b>2019</b> , 225, 441-457	13.2	63
284	Remote Sensing Feature Selection by Kernel Dependence Measures. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2010</b> , 7, 587-591	4.1	62
283	Prediction of Daily Global Solar Irradiation Using Temporal Gaussian Processes. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2014</b> , 11, 1936-1940	4.1	61
282	Support vector machines for nonlinear kernel ARMA system identification. <i>IEEE Transactions on Neural Networks</i> , <b>2006</b> , 17, 1617-22		61
281	Hyperspectral dimensionality reduction for biophysical variable statistical retrieval. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2017</b> , 132, 88-101	11.8	60
280	On the Impact of Lossy Compression on Hyperspectral Image Classification and Unmixing. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2011</b> , 8, 253-257	4.1	59
279	A methodology to derive global maps of leaf traits using remote sensing and climate data. <i>Remote Sensing of Environment</i> , <b>2018</b> , 218, 69-88	13.2	58
278	Feature selection using support vector machines and bootstrap methods for ventricular fibrillation detection. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 1956-1967	7.8	55
277	Iterative Gaussianization: from ICA to random rotations. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 537-49		55
276	Urban Image Classification With Semisupervised Multiscale Cluster Kernels. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2011</b> , 4, 65-74	4.7	54
275	Emulation of Leaf, Canopy and Atmosphere Radiative Transfer Models for Fast Global Sensitivity Analysis. <i>Remote Sensing</i> , <b>2016</b> , 8, 673	5	54
274	Kernel Manifold Alignment for Domain Adaptation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148655	3.7	52
273	Derivation of global vegetation biophysical parameters from EUMETSAT Polar System. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 139, 57-74	11.8	50

272	Enhancing genetic feature selection through restricted search and Walsh analysis. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2004</b> , 34, 398-406		49
271	Multitemporal Cloud Masking in the Google Earth Engine. <i>Remote Sensing</i> , <b>2018</b> , 10, 1079	5	48
270	Exploitation of SAR and Optical Sentinel Data to Detect Rice Crop and Estimate Seasonal Dynamics of Leaf Area Index. <i>Remote Sensing</i> , <b>2017</b> , 9, 248	5	48
269	Efficient Kernel Orthonormalized PLS for Remote Sensing Applications. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2008</b> , 46, 2872-2881	8.1	47
268	Global distribution of groundwater-vegetation spatial covariation. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4134-4142	4.9	46
267	Retrieval of aboveground crop nitrogen content with a hybrid machine learning method. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 92, 102174	7.3	45
266	Global Estimation of Biophysical Variables from Google Earth Engine Platform. <i>Remote Sensing</i> , <b>2018</b> , 10, 1167	5	45
265	Foetal ECG recovery using dynamic neural networks. <i>Artificial Intelligence in Medicine</i> , <b>2004</b> , 31, 197-209	7.4	45
264	An Emulator Toolbox to Approximate Radiative Transfer Models with Statistical Learning. <i>Remote Sensing</i> , <b>2015</b> , 7, 9347-9370	5	43
263	Unbiased sensitivity analysis and pruning techniques in neural networks for surface ozone modelling. <i>Ecological Modelling</i> , <b>2005</b> , 182, 149-158	3	43
262	Physics-aware Gaussian processes in remote sensing. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 68, 69-82	7.5	42
261	Active Learning Methods for Efficient Hybrid Biophysical Variable Retrieval. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2016</b> , 13, 1012-1016	4.1	42
260	Biophysical Parameter Estimation With a Semisupervised Support Vector Machine. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2009</b> , 6, 248-252	4.1	42
259	Estimating and understanding crop yields with explainable deep learning in the Indian Wheat Belt. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 024019	6.2	41
258	Quality Assessment of PROBA-V LAI, fAPAR and fCOVER Collection 300 m Products of Copernicus Global Land Service. <i>Remote Sensing</i> , <b>2020</b> , 12, 1017	5	40
257	Multi-temporal and multi-source remote sensing image classification by nonlinear relative normalization. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2016</b> , 120, 1-12	11.8	40
256	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2012</b> , 50, 1759-1769	8.1	40
255	Group Importance Sampling for particle filtering and MCMC <b>2018</b> , 82, 133-151		39

254	Multitask Remote Sensing Data Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013</b> , 51, 151-161	8.1	39
253	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2011</b> , 49, 4308-4317	8.1	38
252	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2009</b> , 47, 3822-3833	8.1	38
251	Dosage individualization of erythropoietin using a profile-dependent support vector regression. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2003</b> , 50, 1136-42	5	38
250	Machine learning information fusion in Earth observation: A comprehensive review of methods, applications and data sources. <i>Information Fusion</i> , <b>2020</b> , 63, 256-272	16.7	37
249	Fusing optical and SAR time series for LAI gap filling with multioutput Gaussian processes. <i>Remote Sensing of Environment</i> , <b>2019</b> , 235, 111452	13.2	37
248	Remote sensing image segmentation by active queries. <i>Pattern Recognition</i> , <b>2012</b> , 45, 2180-2192	7.7	36
247	Multispectral high resolution sensor fusion for smoothing and gap-filling in the cloud. <i>Remote Sensing of Environment</i> , <b>2020</b> , 247, 111901	13.2	35
246	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 2186-2196	8.1	35
245	Kernel Entropy Component Analysis for Remote Sensing Image Clustering. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2012</b> , 9, 312-316	4.1	35
244	A unified vegetation index for quantifying the terrestrial biosphere. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	35
243	Emergent vulnerability to climate-driven disturbances in European forests. <i>Nature Communications</i> , <b>2021</b> , 12, 1081	17.4	35
242	Understanding deep learning in land use classification based on Sentinel-2 time series. <i>Scientific Reports</i> , <b>2020</b> , 10, 17188	4.9	34
241	Synergistic integration of optical and microwave satellite data for crop yield estimation. <i>Remote Sensing of Environment</i> , <b>2019</b> , 234, 111460	13.2	33
240	Encoding Invariances in Remote Sensing Image Classification With SVM. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2013</b> , 10, 981-985	4.1	33
239	Multitemporal Monitoring of Plant Area Index in the Valencia Rice District with PocketLAI. <i>Remote Sensing</i> , <b>2016</b> , 8, 202	5	32
238	Machine Learning Regression Approaches for Colored Dissolved Organic Matter (CDOM) Retrieval with S2-MSI and S3-OLCI Simulated Data. <i>Remote Sensing</i> , <b>2018</b> , 10, 786	5	31
237	Fuzzy sigmoid kernel for support vector classifiers. <i>Neurocomputing</i> , <b>2004</b> , 62, 501-506	5.4	31

236	Assessing the relationship between microwave vegetation optical depth and gross primary production. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 65, 79-91	7.3	31
235	A Critical Comparison of Remote Sensing Leaf Area Index Estimates over Rice-Cultivated Areas: From Sentinel-2 and Landsat-7/8 to MODIS, GEOV1 and EUMETSAT Polar System. <i>Remote Sensing</i> , <b>2018</b> , 10, 763	5	30
234	Satellite Observations of the Contrasting Response of Trees and Grasses to Variations in Water Availability. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1429-1440	4.9	28
233	Dimensionality Reduction via Regression in Hyperspectral Imagery. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2015</b> , 9, 1026-1036	7.5	28
232	A perspective on Gaussian processes for Earth observation. <i>National Science Review</i> , <b>2019</b> , 6, 616-618	10.8	28
231	SCOPE-Based Emulators for Fast Generation of Synthetic Canopy Reflectance and Sun-Induced Fluorescence Spectra. <i>Remote Sensing</i> , <b>2017</b> , 9, 927	5	28
230	A Support Vector Machine MUSIC Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4901-4910	4.9	27
229	Regularized Multiresolution Spatial Unmixing for ENVISAT/MERIS and Landsat/TM Image Fusion. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2011</b> , 8, 844-848	4.1	27
228	Prediction of cyclosporine dosage in patients after kidney transplantation using neural networks. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2003</b> , 50, 442-8	5	27
227	Joint Gaussian Processes for Biophysical Parameter Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 1718-1727	8.1	26
226	Active emulation of computer codes with Gaussian processes Application to remote sensing. <i>Pattern Recognition</i> , <b>2020</b> , 100, 107103	7.7	26
225	Mapping Leaf Area Index With a Smartphone and Gaussian Processes. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2015</b> , 12, 2501-2505	4.1	25
224	Cloud masking and removal in remote sensing image time series. <i>Journal of Applied Remote Sensing</i> , <b>2017</b> , 11, 015005	1.4	24
223	Nonlinearities and adaptation of color vision from sequential principal curves analysis. <i>Neural Computation</i> , <b>2012</b> , 24, 2751-88	2.9	24
222	Use of neural networks for dosage individualisation of erythropoietin in patients with secondary anemia to chronic renal failure. <i>Computers in Biology and Medicine</i> , <b>2003</b> , 33, 361-73	7	24
221	Semisupervised Kernel Feature Extraction for Remote Sensing Image Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 5567-5578	8.1	23
220	Kernel Antenna Array Processing. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 642-650	4.9	23
219	Nonlinear System Identification With Composite Relevance Vector Machines. <i>IEEE Signal Processing Letters</i> , <b>2007</b> , 14, 279-282	3.2	23



218	Gaussian processes retrieval of LAI from Sentinel-2 top-of-atmosphere radiance data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2020</b> , 167, 289-304	11.8	23
217	Machine learning in remote sensing data processing <b>2009</b> ,		22
216	<b>2018</b> ,		22
215	Satellite Leaf Area Index: Global Scale Analysis of the Tendencies Per Vegetation Type Over the Last 17 Years. <i>Remote Sensing</i> , <b>2018</b> , 10, 424	5	22
214	A carbon sink-driven approach to estimate gross primary production from microwave satellite observations. <i>Remote Sensing of Environment</i> , <b>2019</b> , 229, 100-113	13.2	21
213	Land cover classification of VHR airborne images for citrus grove identification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2011</b> , 66, 115-123	11.8	21
212	Profiled support vector machines for antisense oligonucleotide efficacy prediction. <i>BMC Bioinformatics</i> , <b>2004</b> , 5, 135	3.6	21
211	Nonuniform Interpolation of Noisy Signals Using Support Vector Machines. <i>IEEE Transactions on Signal Processing</i> , <b>2007</b> , 55, 4116-4126	4.8	19
210	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2018</b> , 11, 4918-4931	4.7	19
209	Partitioning net carbon dioxide fluxes into photosynthesis and respiration using neural networks. <i>Global Change Biology</i> , <b>2020</b> , 26, 5235-5253	11.4	18
208	Principal polynomial analysis. <i>International Journal of Neural Systems</i> , <b>2014</b> , 24, 1440007	6.2	18
207	Gridding Artifacts on Medium-Resolution Satellite Image Time Series: MERIS Case Study. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2011</b> , 49, 2601-2611	8.1	18
206	The Recycling Gibbs sampler for efficient learning <b>2018</b> , 74, 1-13		18
205	Remote Sensing Image Classification With Large-Scale Gaussian Processes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 1103-1114	8.1	17
204	Empirical and Physical Estimation of Canopy Water Content from CHRIS/PROBA Data. <i>Remote Sensing</i> , <b>2013</b> , 5, 5265-5284	5	17
203	Earth system data cubes unravel global multivariate dynamics. <i>Earth System Dynamics</i> , <b>2020</b> , 11, 201-234	4.8	17
202	Gaussian Process Sensitivity Analysis for Oceanic Chlorophyll Estimation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2017</b> , 10, 1265-1277	4.7	16
201	Deep Gaussian processes for biogeophysical parameter retrieval and model inversion. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2020</b> , 166, 68-81	11.8	16

200	Kernel spectral angle mapper. <i>Electronics Letters</i> , <b>2016</b> , 52, 1218-1220	1.1	16
199	Hyperspectral detection of citrus damage with Mahalanobis kernel classifier. <i>Electronics Letters</i> , <b>2007</b> , 43, 1082	1.1	16
198	Randomized kernels for large scale Earth observation applications. <i>Remote Sensing of Environment</i> , <b>2017</b> , 202, 54-63	13.2	15
197	Spectral clustering with the probabilistic cluster kernel. <i>Neurocomputing</i> , <b>2015</b> , 149, 1299-1304	5.4	15
196	Validation of PROBA-V GEOV1 and MODIS C5 & C6 FAPAR Products in a Deciduous Beech Forest Site in Italy. <i>Remote Sensing</i> , <b>2017</b> , 9, 126	5	14
195	A Review of Kernel Methods in Remote Sensing Data Analysis <b>2011</b> , 171-206		13
194	Structured Output SVM for Remote Sensing Image Classification. <i>Journal of Signal Processing Systems</i> , <b>2011</b> , 65, 301-310	1.4	13
193	Explicit signal to noise ratio in reproducing kernel Hilbert spaces <b>2011</b> ,		13
192	Advanced processing of hyperspectral images <b>2006</b> ,		13
191	Fair Kernel Learning. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 339-355	0.9	13
190	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 1040-1048	8.1	13
189	Optimized Kernel Entropy Components. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1466-1472	10.3	12
188	A unified SVM framework for signal estimation <b>2014</b> , 26, 1-20		12
187	Reply to Magnani et al.: Linking large-scale chlorophyll fluorescence observations with cropland gross primary production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2511	11.5	11
186	New Cloud Detection Algorithm for Multispectral and Hyperspectral Images: Application to ENVISAT/MERIS and PROBA/CHRIS Sensors <b>2006</b> ,		11
185	Clasificaci3n de usos del suelo a partir de im3genes Sentinel-2. <i>Revista De Teledeteccion</i> , <b>2017</b> , 55	0.7	11
184	Convolutional neural networks for multispectral image cloud masking <b>2017</b> ,		10
183	Warped Gaussian Processes in Remote Sensing Parameter Estimation and Causal Inference. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2018</b> , 15, 1647-1651	4.1	10

182	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2011</b> , 5, 365-369	7.5	10
181	Sparse Deconvolution Using Support Vector Machines. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2008</b> , 2008,	1.9	10
180	Constraining Uncertainty in Projected Gross Primary Production With Machine Learning. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005619	3.7	10
179	Toward operational validation systems for global satellite-based terrestrial essential climate variables. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2021</b> , 95, 102240	7.3	10
178	Nonlinear Time-Series Adaptation for Land Cover Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 896-900	4.1	9
177	Spectro-temporal reflectance surfaces: a new conceptual framework for the integration of remote-sensing data from multiple different sensors. <i>International Journal of Remote Sensing</i> , <b>2013</b> , 34, 3699-3715	3.1	9
176	Multi-sensor change detection based on nonlinear canonical correlations <b>2013</b> ,		9
175	Large Margin Filtering. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 648-659	4.8	9
174	Biophysical parameter estimation with adaptive Gaussian Processes <b>2009</b> ,		9
173	Semi-supervised Hyperspectral Image Classification with Graphs <b>2006</b> ,		9
172	Semi-supervised cloud screening with Laplacian SVM <b>2007</b> ,		9
171	Cyclosporine concentration prediction using clustering and support vector regression methods. <i>Electronics Letters</i> , <b>2002</b> , 38, 568	1.1	9
170	Summarizing the state of the terrestrial biosphere in few dimensions. <i>Biogeosciences</i> , <b>2020</b> , 17, 2397-2424	4.6	9
169	Statistical Atmospheric Parameter Retrieval Largely Benefits From Spatial Spectral Image Compression. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 2213-2224	8.1	8
168	Climate Data Records of Vegetation Variables from Geostationary SEVIRI/MSG Data: Products, Algorithms and Applications. <i>Remote Sensing</i> , <b>2019</b> , 11, 2103	5	8
167	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2020</b> , 58, 5752-5763	8.1	8
166	HyperLabelMe : A Web Platform for Benchmarking Remote-Sensing Image Classifiers. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2017</b> , 5, 79-85	8.9	8
165	Cluster-based active learning for compact image classification <b>2010</b> ,		8

164	Unsupervised change detection by kernel clustering <b>2010</b> ,		8
163	Robust Filter using support vector machines. <i>Neurocomputing</i> , <b>2004</b> , 62, 493-499	5.4	8
162	Perceptual adaptive insensitivity for support vector machine image coding. <i>IEEE Transactions on Neural Networks</i> , <b>2005</b> , 16, 1574-81		8
161	Deep Learning and Earth Observation to Support the Sustainable Development Goals: Current Approaches, Open Challenges, and Future Opportunities. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2022</b> , 2-30	8.9	8
160	A global canopy water content product from AVHRR/Metop. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2020</b> , 162, 77-93	11.8	7
159	Automatic emulator and optimized look-up table generation for radiative transfer models <b>2017</b> ,		7
158	Prelaunch assessment of worldview-3 information content <b>2014</b> ,		7
157	Remote sensing of vegetation dynamics in agro-ecosystems using smap vegetation optical depth and optical vegetation indices <b>2017</b> ,		7
156	Cloud detection machine learning algorithms for PROBA-V <b>2017</b> ,		7
155	Semi-supervised remote sensing image classification via maximum entropy <b>2010</b> ,		7
154	Recent advances in remote sensing image processing <b>2009</b> ,		7
153	Semi-Supervised Remote Sensing Image Classification based on Clustering and the Mean Map Kernel <b>2008</b> ,		7
152	Predicting carbon dioxide and energy fluxes across global FLUXNET sites with regression algorithms		7
151	Crop specific algorithms trained over ground measurements provide the best performance for GAI and fAPAR estimates from Landsat-8 observations. <i>Remote Sensing of Environment</i> , <b>2021</b> , 260, 112453	13.2	7
150	Efficient Nonlinear RX Anomaly Detectors. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 18, 231-235.	4.1	7
149	Nonlinear Distribution Regression for Remote Sensing Applications. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 10025-10035	8.1	6
148	Kernel Anomalous Change Detection for Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 7743-7755	8.1	6
147	Sensitivity maps of the Hilbert-Schmidt independence criterion. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 70, 1054-1063	7.5	6

146	<b>2014,</b>		6
145	Measuring the Spatial and Spectral Performance of WorldView-3 <b>2015,</b>		6
144	Unsupervised Alignment of Image Manifolds with Centrality Measures <b>2014,</b>		6
143	Therapeutic Drug Monitoring of Kidney Transplant Recipients Using Profiled Support Vector Machines. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2007</b> , 37, 359-372		6
142	Hyperspectral image classification with mahalanobis relevance vector machines <b>2007,</b>		6
141	Cloud detection for CHRIS/Proba hyperspectral images <b>2005,</b>		6
140	Toward a Collective Agenda on AI for Earth Science Data Analysis. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2021</b> , 9, 88-104	8.9	6
139	Statistical retrieval of atmospheric profiles with deep convolutional neural networks. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2019</b> , 158, 231-240	11.8	6
138	Causal Inference in Geoscience and Remote Sensing From Observational Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 1502-1513	8.1	6
137	Accounting for Input Noise in Gaussian Process Parameter Retrieval. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2020</b> , 17, 391-395	4.1	6
136	Gap Filling of Biophysical Parameter Time Series with Multi-Output Gaussian Processes <b>2018,</b>		6
135	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 5651-5668	8.1	5
134	The Low Dimensionality of Development. <i>Social Indicators Research</i> , <b>2020</b> , 150, 999-1020	2.7	5
133	. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2016</b> , 4, 5-7	8.9	5
132	Lossless coding of hyperspectral images with principal polynomial analysis <b>2014,</b>		5
131	Cloud screening with combined MERIS and AATSR images <b>2009,</b>		5
130	Kernel-based retrieval of atmospheric profiles from IASI data <b>2011,</b>		5
129	Image classification with semi-supervised one-class support vector machine <b>2008,</b>		5

128	A Deep Network Approach to Multitemporal Cloud Detection <b>2018</b> ,		5
127	Global Estimation of Soil Moisture Persistence with L and C-Band Microwave Sensors <b>2018</b> ,		5
126	Pattern Recognition Scheme for Large-Scale Cloud Detection Over Landmarks. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2018</b> , 11, 3977-3987	4-7	4
125	Signal-to-noise ratio in reproducing kernel Hilbert spaces. <i>Pattern Recognition Letters</i> , <b>2018</b> , 112, 75-82	4-7	4
124	Kernel entropy component analysis in remote sensing data clustering <b>2011</b> ,		4
123	Structured output SVM for remote sensing image classification <b>2009</b> ,		4
122	Learning non-linear time-scales with kernel -filters. <i>Neurocomputing</i> , <b>2009</b> , 72, 1324-1328	5-4	4
121	Support vector machines in remote sensing: the tricks of the trade <b>2011</b> ,		4
120	Multitemporal image classification and change detection with kernels <b>2006</b> , 6365, 136		4
119	Methods to evaluate the performance of fetal electrocardiogram extraction algorithms		4
118	ESTIMATION OF OCEANIC PARTICULATE ORGANIC CARBON WITH MACHINE LEARNING. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , V-2-2020, 949-956		4
117	Crop Yield Estimation and Interpretability With Gaussian Processes. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2020</b> , 1-5	4-1	4
116	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-17	8-1	4
115	Fiducial Reference Measurements for Vegetation Bio-Geophysical Variables: An End-to-End Uncertainty Evaluation Framework. <i>Remote Sensing</i> , <b>2021</b> , 13, 3194	5	4
114	Support Vector Machine and Kernel Classification Algorithms <b>2018</b> , 433-502		3
113	Explicit Recursive and Adaptive Filtering in Reproducing Kernel Hilbert Spaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 1413-1419	10-3	3
112	A family of kernel anomaly change detectors <b>2014</b> ,		3
111	Recycling Gibbs sampling <b>2017</b> ,		3

110	Large-scale random features for kernel regression <b>2015,</b>		3
109	Shared feature representations of LiDAR and optical images: Trading sparsity for semantic discrimination <b>2015,</b>		3
108	Estimation of vegetation chlorophyll content with Variational Heteroscedastic Gaussian Processes <b>2013,</b>		3
107	Including invariances in SVM remote sensing image classification <b>2012,</b>		3
106	Semisupervised nonlinear feature extraction for image classification <b>2012,</b>		3
105	Target detection with a contextual kernel orthogonal subspace projection <b>2008,</b>		3
104	An unsupervised support vector method for change detection <b>2007,</b>		3
103	Combination of one-class remote sensing image classifiers <b>2007,</b>		3
102	Non-linear RLS-based algorithm for pattern classification. <i>Signal Processing</i> , <b>2006</b> , 86, 1104-1108	4.4	3
101	Partially supervised hierarchical clustering of SAR and multispectral imagery for urban areas monitoring <b>2004,</b>		3
100	Automatic Emulation by Adaptive Relevance Vector Machines. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 443-454	0.9	3
99	Physics-Aware Gaussian Processes for Earth Observation. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 205-213		3
98	Classification of Satellite Images with Regularized AdaBoosting of RBF Neural Networks. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 307-326	0.8	3
97	Long-term persistence, invariant time scales and on-off intermittency of fog events. <i>Atmospheric Research</i> , <b>2021</b> , 252, 105456	5.4	3
96	Nonlinear Cook Distance for Anomalous Change Detection <b>2018,</b>		3
95	Deep importance sampling based on regression for model inversion and emulation <b>2021</b> , 116, 103104		3
94	Ranking drivers of global carbon and energy fluxes over land <b>2015,</b>		2
93	Nonlinear statistical retrieval of surface emissivity from IASI data <b>2017,</b>		2

92	Adaptive Kernel Learning for Signal Processing <b>2018</b> , 387-431	2
91	Latent force models for earth observation time series prediction <b>2016</b> ,	2
90	<b>2013</b> ,	2
89	Probabilistic cross-validation estimators for Gaussian process regression <b>2017</b> ,	2
88	Weakly supervised alignment of multisensor images <b>2015</b> ,	2
87	Semisupervised kernel orthonormalized partial least squares <b>2012</b> ,	2
86	Nonlinear data description with Principal Polynomial Analysis <b>2012</b> ,	2
85	Learning with the kernel signal to noise ratio <b>2012</b> ,	2
84	Advances in synergy of AATSR-MERIS sensors for cloud detection <b>2013</b> ,	2
83	Kernel change discriminant analysis for multitemporal cloud masking <b>2013</b> ,	2
82	Adaptive kernel ridge regression for image denoising <b>2010</b> ,	2
81	Estimating biophysical variable dependences with kernels <b>2010</b> ,	2
80	PCA Gaussianization for image processing <b>2009</b> ,	2
79	Learning the relevant image features with multiple kernels <b>2009</b> ,	2
78	Multitemporal fusion of Landsat and MERIS images <b>2011</b> ,	2
77	Principal polynomial analysis for remote sensing data processing <b>2011</b> ,	2
76	Unsupervised change detection in the feature space using kernels <b>2011</b> ,	2
75	Nonlinear retrieval of atmospheric profiles from MetOp-IASI and MTG-IRS data <b>2010</b> ,	2



74	Recovering wavelet relations using SVM for image denoising <b>2008</b> ,		2
73	Semi-Supervised Kernel Orthogonal Subspace Projection <b>2008</b> ,		2
72	Efficient pruning of multilayer perceptrons using a fuzzy sigmoid activation function. <i>Neurocomputing</i> , <b>2006</b> , 69, 909-912	5-4	2
71	Modelling spatial and spectral systematic noise patterns on CHRIS/PROBA hyperspectral data <b>2006</b> ,		2
70	Regularized methods for hyperspectral image classification <b>2004</b> ,		2
69	Relevance vector machines for sparse learning of biophysical parameters <b>2005</b> ,		2
68	Kernel methods and their derivatives: Concept and perspectives for the earth system sciences. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235885	3-7	2
67	Graph Embedding via High Dimensional Model Representation for Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-1	8-1	2
66	Manifold Learning with High Dimensional Model Representations <b>2020</b> ,		2
65	Supplementary material to "Predicting carbon dioxide and energy fluxes across global FLUXNET sites with regression algorithms"		2
64	Learning main drivers of crop progress and failure in Europe with interpretable machine learning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2021</b> , 104, 102574	7-3	2
63	ADVANCING DEEP LEARNING FOR EARTH SCIENCES: FROM HYBRID MODELING TO INTERPRETABILITY <b>2020</b> ,		2
62	Segmentation of Hyperspectral Images for the Detection of Rotten Mandarins. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 1071-1080	0-9	2
61	Predicting regional coastal sea level changes with machine learning. <i>Scientific Reports</i> , <b>2021</b> , 11, 7650	4-9	2
60	Integrating Domain Knowledge in Data-Driven Earth Observation With Process Convolutions. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-15	8-1	2
59	Nonlinear Complex PCA for Spatio-Temporal Analysis of Global Soil Moisture <b>2018</b> ,		2
58	Retrieval of Case 2 Water Quality Parameters with Machine Learning <b>2018</b> ,		2
57	Distributed Particle Metropolis-Hastings Schemes <b>2018</b> ,		2

56	Spatial noise-aware temperature retrieval from infrared sounder data <b>2017</b> ,	1
55	Joint Gaussian processes for inverse modeling <b>2017</b> ,	1
54	Kernel Functions and Reproducing Kernel Hilbert Spaces <b>2018</b> , 165-207	1
53	Multiset Kernel CCA for multitemporal image classification <b>2013</b> ,	1
52	Efficient remote sensing image classification with Gaussian processes and Fourier features <b>2017</b> ,	1
51	Passive millimeter wave image classification with large scale Gaussian processes <b>2017</b> ,	1
50	Replacing radiative transfer models by surrogate approximations through machine learning <b>2015</b> ,	1
49	Dimensionality reduction via regression on hyperspectral infrared sounding data <b>2014</b> ,	1
48	Cloud masking of multitemporal remote sensing images <b>2014</b> ,	1
47	Domain adaptation with Hidden Markov Random Fields <b>2013</b> ,	1
46	Multitask SVM learning for remote sensing data classification <b>2010</b> ,	1
45	Explicit recursivity into reproducing kernel Hilbert spaces <b>2011</b> ,	1
44	Large scale semi-supervised image segmentation with active queries <b>2011</b> ,	1
43	Cluster kernels for semisupervised classification of VHR urban images <b>2009</b> ,	1
42	Semi-Supervised Support Vector Biophysical Parameter Estimation <b>2008</b> ,	1
41	Statistical criteria for early-stopping of support vector machines. <i>Neurocomputing</i> , <b>2007</b> , 70, 2588-2592 5.4	1
40	Feature extraction from remote sensing data using Kernel Orthonormalized PLS <b>2007</b> ,	1
39	Efficient regularized LDA for hyperspectral image classification <b>2007</b> , 6748, 257	1

38	Interpretability of Recurrent Neural Networks in Remote Sensing <b>2020</b> ,		1
37	Discovering Differential Equations from Earth Observation Data <b>2020</b> ,		1
36	Machine Learning Methods for Spatial and Temporal Parameter Estimation. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2020</b> , 5-35	1.1	1
35	Adaptive Sequential Interpolator Using Active Learning for Efficient Emulation of Complex Systems <b>2020</b> ,		1
34	Efficient Kernel Cook's Distance for Remote Sensing Anomalous Change Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 5480-5488	4.7	1
33	Explicit Granger causality in kernel Hilbert spaces. <i>Physical Review E</i> , <b>2020</b> , 102, 062201	2.4	1
32	Gaussianizing the Earth: Multidimensional Information Measures for Earth Data Analysis. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2021</b> , 2-19	8.9	1
31	Advances in Kernel Machines for Image Classification and Biophysical Parameter Retrieval. <i>Signals and Communication Technology</i> , <b>2018</b> , 399-441	0.5	1
30	Deep Gaussian Processes for Geophysical Parameter Retrieval <b>2018</b> ,		1
29	Interpolation and Gap Filling of Landsat Reflectance Time Series <b>2018</b> ,		1
28	Randomized RX for Target Detection <b>2018</b> ,		1
27	Advanced Feature Extraction for Earth Observation Data Processing <b>2018</b> , 108-133		1
26	Spatial homogeneity from temporal stability: Exploiting the combined hyper-frequent revisit of Terra and Aqua to guide Earth System Science. <i>Remote Sensing of Environment</i> , <b>2021</b> , 261, 112496	13.2	1
25	From Signal Processing to Machine Learning <b>2018</b> , 1-11		0
24	Advances in Kernel Regression and Function Approximation <b>2018</b> , 333-385		0
23	Inferring causal relations from observational long-term carbon and water fluxes records.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1610	4.9	0
22	Unsupervised Anomaly and Change Detection With Multivariate Gaussianization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-10	8.1	0
21	Activities of the IEEE GRSS Spain Chapter [Chapters]. <i>IEEE Geoscience and Remote Sensing Magazine</i> , <b>2019</b> , 7, 177-180	8.9	

- 20 Statistical biophysical parameter retrieval and emulation with Gaussian processes. *Data Handling in Science and Technology*, **2020**, 32, 333-368 2.7
- 19 Clustering and Anomaly Detection with Kernels **2018**, 503-542
- 18 Kernel Feature Extraction in Signal Processing **2018**, 543-588
- 17 Introduction to Digital Signal Processing **2018**, 13-95
- 16 Signal Processing Models **2018**, 97-164
- 15 A Support Vector Machine Signal Estimation Framework **2018**, 209-239
- 14 Reproducing Kernel Hilbert Space Models for Signal Processing **2018**, 241-279
- 13 Dual Signal Models for Signal Processing **2018**, 281-332
- 12 A Review of Kernel Methods in ECG Signal Classification **2012**, 195-217
- 11 Enhancing decision-based neural networks through local competition. *Neurocomputing*, **2006**, 69, 905-908 3.4
- 10 Robust automatic classification method for hyperspectral imagery **2004**, 5238, 398
- 9 Interactive Pansharpening and Active Classification in Remote Sensing. *Intelligent Systems Reference Library*, **2013**, 67-81 0.8
- 8 Inference over radiative transfer models using variational and expectation maximization methods. *Machine Learning*, 4
- 7 Learning Structures in Earth Observation Data with Gaussian Processes. *Lecture Notes in Computer Science*, **2016**, 78-94 0.9
- 6 Learning Relevant Features of Optical Water Types. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5 4.1
- 5 Kernel methods and their derivatives: Concept and perspectives for the earth system sciences **2020**, 15, e0235885
- 4 Kernel methods and their derivatives: Concept and perspectives for the earth system sciences **2020**, 15, e0235885
- 3 Kernel methods and their derivatives: Concept and perspectives for the earth system sciences **2020**, 15, e0235885

2 Kernel methods and their derivatives: Concept and perspectives for the earth system sciences **2020**  
, 15, e0235885

1 Kernel methods and their derivatives: Concept and perspectives for the earth system sciences **2020**  
, 15, e0235885