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The continuity of L-band observations with an increased spatial resolution: the SMOS-HR concept
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Observing and understanding the climate change and human impacts on rice agriculture in the Mekong delta to support mitigation and adaptation measures
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Achieving 10m regional crop carbon flux mapping in AGRICARBON-EO through a bayesian assimilation of Sentinel-2 reflectances in SAFYE-CO2.
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A new terrestrial biosphere model for combining optical, and active/passive microwave observations into a consistent view of the terrestrial carbon cycle in a variational assimilation system.
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A new Copernicus service component based on Sentinel-2 and Sentinel-1: Pan European High resolution Snow & Ice Monitoring of the Copernicus Land Monitoring Service (CLMS).
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Operational detection of forest Loss in Vietnam, Laos, Cambodia, Gabon, French Guiana, Suriname and Guyana Using Sentinel-1 Data
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Using Sentinel-2 data time series for the mapping of land use typologies during fallow periods over France
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A Surface Albedo Product At High Spatial Resolutionfrom A Combination Of Sentinel-2 And Sentinel-3 Data:temporal Monitoring Of Agricultural Albedo Andcarbon Fluxes
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The potential of SMOS L-VOD for post-fire monitoring of dense forests
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Paving the road to FLEX and Biomass: a multi-frequency study of the vegetation in three regions of Europe
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Benchmark of SAR-based automated deforestation detection systems over tropical forests
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Quality assessment of the MAJA atmospheric correction processor over a farmland area with a new operational in-situ ROSAS station
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Use of deep neural networks for image reconstruction from a microwave interferometer
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3-D SAR imaging of forests from space at higher frequency bands using incoherent bistatic tomography. Proof of concept and results from the TomoSense campaign
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FRM4SM: SMOS validation strategy and uncertainty mapping
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Fiducial Reference Measurements for Soil Moisture (FRM4SM): From ground measurement to a fully traceable satellite validation service
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QA4SM - An Online Validation Service for EO Soil Moisture Data Users and Producers
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The SMOS HR mission: a high resolution L-band interferometric radiometer

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Large mesoscale salinity features detected by SMOS and perspectives for next generation missions

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Detection and evolution (2010-2021) of irrigated areas and volumes over Africa, the Arabian Peninsula and the Middle East using SMOS and SMAP soil moisture measurements

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Multitemporal comparisons between GEDI Lidar products and SMOS L-VOD retrieved by the latest version of level 2 algorithm
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Improving the modeling of adjacency effects for MAJA high resolution atmospheric corrections
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Simulation of rice production in the Vietnam Mekong Delta under scenarios of climate change
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Mekong Delta subsidence from space
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Simulations of very low baseline stereoscopic products in the frame of Sentinel HR mission
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Investigation of the diurnal cycles of interferometric coherence and backscattering coefficient on irrigated wheat in the South Mediterranean
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Claire Pascal
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Operalization of ESA CCI Soil Moisture in the Copernicus Climate Change Service
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An evaluation of high resolution soil moisture maps in the framework of the ESA CCI
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Introducing the ISRO-CNES TRISHNA mission for high resolution SST observations in coastal ocean and continental waters
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Land cover mapping with Gaussian Processes at the country scale using sparse and variational approaches
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