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|  | **Author** | **Title** | **Method** | **Key Words** | | | **Gruppe** |
| 30.04.24 | Stupariu et al. 2022 | [Machine learning in landscape ecological analysis: a review of recent approaches](https://doi.org/10.1007/s10980-021-01366-9) | Review, mainly RF, DL | landscape ecology | | |  |
| 30.04.24 | Chen et al 2020 | [Machine Learning in Tropical Cyclone Forecast Modeling: A Review](https://www.mdpi.com/2073-4433/11/7/676) | Review | Meteorology, Storms | | |  |
| 07.05.24 | Shahhosseini  et al. 2020 | [Forecasting Corn Yield With Machine Learning Ensembles](https://www.frontiersin.org/journals/plant-science/articles/10.3389/fpls.2020.01120/full) | Random forest & regresssion | Meteorology, Soil, Crop | | |  |
| 14.05.24 | Nachappa et al. 2023 | [Multi-Hazard Exposure Mapping Using Machine Learning for the State of Salzburg, Austria](https://doi.org/10.3390/rs12172757) | SVM, RF | Hazard Mapping | | |  |
| 21.05.24 | Furuya et al. 2023 | [A machine learning approach for mapping surface urban heat island using environmental and socioeconomic variables: a case study in a medium-sized Brazilian city](https://www.researchgate.net/publication/371503445_A_machine_learning_approach_for_mapping_surface_urban_heat_island_using_environmental_and_socioeconomic_variables_a_case_study_in_a_medium-sized_Brazilian_city) | Decision tree & Random forest | UHI effect | | |  |
| 28.05.24 | Wunsch et al. 2022 | [Deep learning shows declining groundwater levels in Germany until 2100 due to climate change](https://doi.org/10.1038/s41467-022-28770-2) | Deep Learning | meteorology, groundwater | | |  |
| 04.06.24 | Bjanes et al. 2021 | [A deep learning ensemble model for wildfire susceptibility mapping](https://doi.org/10.1016/j.ecoinf.2021.101397) | CNN | forest fire susceptibility mapping | | |  |
| 11.06.24 | Khennou & Akhloufi 2023 | [Improving wildland fire spread prediction using deep U-Nets](https://doi.org/10.1016/j.srs.2023.100101) | CNN, U-Net | forest fire spread and burned area mapping | | |  |
| 11.06.24 | Wu et al. 2023 | [Robust Runoff Prediction With Explainable Artificial Intelligence and Meteorological Variables From Deep Learning Ensemble Model](https://doi.org/10.1029/2023WR035676) | Deep Learning Ensemble Model | runoff forecasting & flood prediction | | |  |
| 18.06.24 | Haldorai et al 2024 | [A Modified AI Model for Automatic and Precision Monitoring System of Wildlife in Forest Areas](https://link.springer.com/chapter/10.1007/978-3-031-53972-5_25) | RNN | wildlife identification | | |  |
| 25.06.24 | Silvestro et al. 2022 | [Improving biodiversity protection through artificial intelligence](https://doi.org/10.1038/s41893-022-00851-6) | Reinforcement learning, CAPTAIN | biodiversity protection, Conservation Area Prioritization | |  | |
| 09.07.24 | Sorkhabi et a. 2023 | [Deep learning of sea-level variability and flood for coastal city resilience](https://doi.org/10.1016/j.cacint.2022.100098) | CNN | forecasting sea level change |  | | |
| 16.07.24 | Kuma et al. 2023 | [Machine learning of cloud types in satellite observations and climate models](https://doi.org/10.5194/acp-23-523-2023) | U-Net | cloud types |  | | |