# Thomas Udelhoven

## List of Publications by Year
## in descending order

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|---|---|---|---|
| **24** papers | **1,718** citations | 361413 **20** h-index | 713466 **21** g-index |
| **24** all docs | **24** docs citations | **24** times ranked | **2338** citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Land Surface Temperature Retrieval for Agricultural Areas Using a Novel UAV Platform Equipped with a Thermal Infrared and Multispectral Sensor. Remote Sensing, 2020, 12, 1075. | 4.0 | 37 |
| 2 | PANTHEON: SCADA for Precision Agriculture. , 2020, , 1-38. | | 0 |
| 3 | Challenges and Future Perspectives of Multi-/Hyperspectral Thermal Infrared Remote Sensing for Crop Water-Stress Detection: A Review. Remote Sensing, 2019, 11, 1240. | 4.0 | 149 |
| 4 | High Spatio- Temporal Resolution Land Surface Temperature Mission - a Copernicus Candidate Mission in Support of Agricultural Monitoring. , 2018, , . | | 29 |
| 5 | Analysis of Airborne Optical and Thermal Imagery for Detection of Water Stress Symptoms. Remote Sensing, 2018, 10, 1139. | 4.0 | 64 |
| 6 | A Satellite-Based Imaging Instrumentation Concept for Hyperspectral Thermal Remote Sensing. Sensors, 2017, 17, 1542. | 3.8 | 13 |
| 7 | Plant species discrimination using emissive thermal infrared imaging spectroscopy. International Journal of Applied Earth Observation and Geoinformation, 2016, 53, 16-26. | 2.8 | 25 |
| 8 | Water stress detection in potato plants using leaf temperature, emissivity, and reflectance. International Journal of Applied Earth Observation and Geoinformation, 2016, 53, 27-39. | 2.8 | 78 |
| 9 | Advantages using the thermal infrared (TIR) to detect and quantify semi-arid soil properties. Remote Sensing of Environment, 2015, 163, 296-311. | 11.0 | 47 |
| 10 | Soil organic carbon assessment by field and airborne spectrometry in bare croplands: accounting for soil surface roughness. Geoderma, 2014, 226-227, 94-102. | 5.1 | 39 |
| 11 | How Normalized Difference Vegetation Index (NDVI) Trendsfrom Advanced Very High Resolution Radiometer (AVHRR) and Système Probatoire d€™Observation de la Terre VEGETATION (SPOT VGT) Time Series Differ in Agricultural Areas: An Inner Mongolian Case Study. Remote Sensing, 2012, 4, 3364-3389. | 4.0 | 84 |
| 12 | A Hyperspectral Thermal Infrared Imaging Instrument for Natural Resources Applications. Remote Sensing, 2012, 4, 3995-4009. | 4.0 | 38 |
| 13 | TimeStats: A Software Tool for the Retrieval of Temporal Patterns From Global Satellite Archives. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 310-317. | 4.9 | 43 |
| 14 | A rapid spectral-reflectance-based fingerprinting approach for documenting suspended sediment sources during storm runoff events. Journal of Soils and Sediments, 2010, 10, 400-413. | 3.0 | 76 |
| 15 | The use of sediment colour measured by diffuse reflectance spectrometry to determine sediment sources: Application to the Attert River catchment (Luxembourg). Journal of Hydrology, 2010, 382, 49-63. | 5.4 | 129 |
| 16 | Measuring soil organic carbon in croplands at regional scale using airborne imaging spectroscopy. Geoderma, 2010, 158, 32-45. | 5.1 | 236 |
| 17 | The Use of Laboratory Spectroscopy and Optical Remote Sensing for Estimating Soil Properties. , 2010, , 67-85. | | 9 |
| 18 | Title is missing!. Plant and Soil, 2003, 251, 319-329. | 3.7 | 233 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | The NeuroDeveloper®: a tool for modular neural classification of spectroscopic data. Chemometrics and Intelligent Laboratory Systems, 2003, 66, 219-226. | 3.5 | 34 |
| 20 | Antemortem Identification of Bovine Spongiform Encephalopathy from Serum Using Infrared Spectroscopy. Analytical Chemistry, 2003, 75, 6673-6678. | 6.5 | 68 |
| 21 | The use of fine sediment fractal dimensions and colour to determine sediment sources in a small watershed. Catena, 2003, 53, 165-179. | 5.0 | 49 |
| 22 | Identification of Scrapie Infection from Blood Serum by Fourier Transform Infrared Spectroscopy. Analytical Chemistry, 2002, 74, 3865-3868. | 6.5 | 71 |
| 23 | Capability of feed-forward neural networks for a chemical evaluation of sediments with diffuse reflectance spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2000, 51, 9-22. | 3.5 | 28 |
| 24 | Development of a Hierarchical Classification System with Artificial Neural Networks and FT-IR Spectra for the Identification of Bacteria. Applied Spectroscopy, 2000, 54, 1471-1479. | 2.2 | 139 |