

Matheus Thomas Kuska

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

638
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

766
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Benefits of hyperspectral imaging for plant disease detection and plant protection: a technical perspective. <i>Journal of Plant Diseases and Protection</i> , 2018, 125, 5-20. | 2.9 | 190 |
| 2 | Specim IQ: Evaluation of a New, Miniaturized Handheld Hyperspectral Camera and Its Application for Plant Phenotyping and Disease Detection. <i>Sensors</i> , 2018, 18, 441. | 3.8 | 138 |
| 3 | Observation of plant-pathogen interaction by simultaneous hyperspectral imaging reflection and transmission measurements. <i>Functional Plant Biology</i> , 2017, 44, 23. | 2.1 | 74 |
| 4 | Quantitative and qualitative phenotyping of disease resistance of crops by hyperspectral sensors: seamless interlocking of phytopathology, sensors, and machine learning is needed!. <i>Current Opinion in Plant Biology</i> , 2019, 50, 156-162. | 7.1 | 66 |
| 5 | Extending Hyperspectral Imaging for Plant Phenotyping to the UV-Range. <i>Remote Sensing</i> , 2019, 11, 1401. | 4.0 | 33 |
| 6 | Spectral Patterns Reveal Early Resistance Reactions of Barley Against <i>Blumeria graminis</i> f. sp. <i>hordei</i> . <i>Phytopathology</i> , 2017, 107, 1388-1398. | 2.2 | 30 |
| 7 | Screening of Barley Resistance Against Powdery Mildew by Simultaneous High-Throughput Enzyme Activity Signature Profiling and Multispectral Imaging. <i>Frontiers in Plant Science</i> , 2018, 9, 1074. | 3.6 | 27 |
| 8 | Monitoring wound healing in a 3D wound model by hyperspectral imaging and efficient clustering. <i>PLoS ONE</i> , 2017, 12, e0186425. | 2.5 | 27 |
| 9 | Potential of hyperspectral imaging to detect and identify the impact of chemical warfare compounds on plant tissue. <i>Pure and Applied Chemistry</i> , 2018, 90, 1615-1624. | 1.9 | 21 |
| 10 | Impact of compatible and incompatible barley- <i>Blumeria graminis</i> f.sp. <i>hordei</i> interactions on chlorophyll fluorescence parameters. <i>Journal of Plant Diseases and Protection</i> , 2018, 125, 177. | 2.9 | 13 |
| 11 | Discovering coherency of specific gene expression and optical reflectance properties of barley genotypes differing for resistance reactions against powdery mildew. <i>PLoS ONE</i> , 2019, 14, e0213291. | 2.5 | 11 |
| 12 | Digital plant pathology: a foundation and guide to modern agriculture. <i>Journal of Plant Diseases and Protection</i> , 2022, 129, 457-468. | 2.9 | 8 |