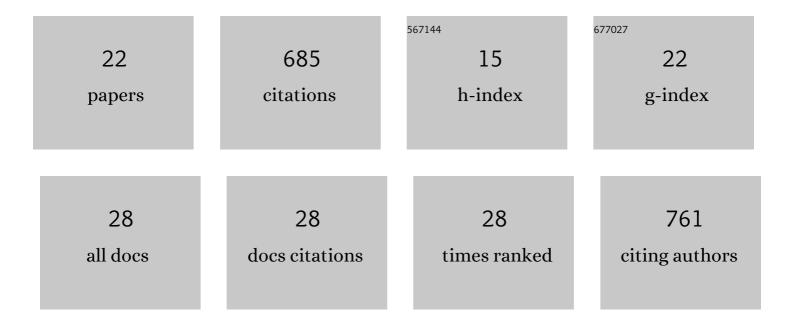
## Vincent J M N L Felde

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2882660/publications.pdf

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Wet sieving versus dry crushing: Soil microaggregates reveal different physical structure, bacterial<br>diversity and organic matter composition in a clay gradient. European Journal of Soil Science, 2021, 72,<br>810-828. | 1.8 | 31        |
| 2  | Editorial: Ecological Development and Functioning of Biological Soil Crusts After Natural and Human Disturbances. Frontiers in Ecology and Evolution, 2021, 9, .   | 1.1 | 3         |
| 3  | Disentangling the effects of OM quality and soil texture on microbially mediated structure formation in artificial model soils. Geoderma, 2021, 403, 115213.   | 2.3 | 31        |
| 4  | Water repellency decreases with increasing carbonate content and pH for different biocrust types on sand dunes. Journal of Hydrology and Hydromechanics, 2021, 69, 369-377.  | 0.7 | 6         |
| 5  | Lichens Bite the Dust – A Bioweathering Scenario in the Atacama Desert. IScience, 2020, 23, 101647.  | 1.9 | 15        |
| 6  | Comment on â€~Kidron, G. J. (2018). Biocrust research: A critical view on eight common<br>hydrologicalâ€related paradigms and dubious theses. <i>Ecohydrology</i> , e2061'. Ecohydrology, 2020,<br>13, e2215.                | 1.1 | 1         |
| 7  | Microhydrological Niches in Soils: How Mucilage and EPS Alter the Biophysical Properties of the Rhizosphere and Other Biological Hotspots. Vadose Zone Journal, 2019, 18, 1-10.  | 1.3 | 73        |
| 8  | Determining Millimeterâ€Scale Maps of Cation Exchange Capacity at Macropore Surfaces in Bt Horizons.<br>Vadose Zone Journal, 2019, 18, 1-11.   | 1.3 | 8         |
| 9  | Development of the polysaccharidic matrix in biocrusts induced by a cyanobacterium inoculated in sand microcosms. Biology and Fertility of Soils, 2018, 54, 27-40.   | 2.3 | 72        |
| 10 | What stabilizes biological soil crusts in the Negev Desert?. Plant and Soil, 2018, 429, 9-18.  | 1.8 | 19        |
| 11 | Ongoing oversanding induces biological soil crust layering – A new approach for biological soil crust structure elucidation determined from high resolution penetration resistance data. Geoderma, 2018, 313, 250-264.       | 2.3 | 14        |
| 12 | In Situ X-Ray Tomography Imaging of Soil Water and Cyanobacteria From Biological Soil Crusts<br>Undergoing Desiccation. Frontiers in Environmental Science, 2018, 6, .   | 1.5 | 16        |
| 13 | Effect of vegetation and its succession on water repellency in sandy soils. Ecohydrology, 2018, 11, e1991.   | 1.1 | 37        |
| 14 | The potential of the cyanobacterium Leptolyngbya ohadii as inoculum for stabilizing bare sandy substrates. Soil Biology and Biochemistry, 2018, 127, 318-328.  | 4.2 | 61        |
| 15 | Cyanobacterial populations in biological soil crusts of the northwest Negev Desert, Israel – effects of local conditions and disturbance. FEMS Microbiology Ecology, 2017, 93, fiw228.                                       | 1.3 | 13        |
| 16 | Pore characteristics in biological soil crusts are independent of extracellular polymeric substances.<br>Soil Biology and Biochemistry, 2016, 103, 294-299.  | 4.2 | 21        |
| 17 | Biological soil crusts cause subcritical water repellency in a sand dune ecosystem located along a<br>rainfall gradient in the NW Negev desert, Israel. Journal of Hydrology and Hydromechanics, 2016, 64,<br>133-140.       | 0.7 | 35        |
| 18 | Microstructure and Weathering Processes Within Biological Soil Crusts. Ecological Studies, 2016, , 237-255.  | 0.4 | 19        |

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Composition and Macrostructure of Biological Soil Crusts. Ecological Studies, 2016, , 159-172.  | 0.4 | 22        |
| 20 | Threeâ€dimensional structure and cyanobacterial activity within a desert biological soil crust.<br>Environmental Microbiology, 2016, 18, 372-383.   | 1.8 | 48        |
| 21 | Cyanobacterial Diversity in Biological Soil Crusts along a Precipitation Gradient, Northwest Negev<br>Desert, Israel. Microbial Ecology, 2015, 70, 219-230.                                 | 1.4 | 62        |
| 22 | Soil microstructure as an under-explored feature of biological soil crust hydrological properties: case study from the NW Negev Desert. Biodiversity and Conservation, 2014, 23, 1687-1708. | 1.2 | 78        |