Robert Zimmermann

List of Publications by Year
in descending order

26 papers	597 citations	686830 13 h-index	794141 19 g-index
26 all docs	26 docs citations	26 times ranked	597 citing authors

#	Article	IF	Citations
1	The Need for Accurate Geometric and Radiometric Corrections of Drone-Borne Hyperspectral Data for Mineral Exploration: MEPHySToâ€"A Toolbox for Pre-Processing Drone-Borne Hyperspectral Data. Remote Sensing, 2017, 9, 88.	1.8	131
2	Integration of Terrestrial and Drone-Borne Hyperspectral and Photogrammetric Sensing Methods for Exploration Mapping and Mining Monitoring. Remote Sensing, 2018, 10, 1366.	1.8	71
3	Drone-Borne Hyperspectral Monitoring of Acid Mine Drainage: An Example from the Sokolov Lignite District. Remote Sensing, 2018, 10, 385.	1.8	47
4	Radiometric Correction and 3D Integration of Long-Range Ground-Based Hyperspectral Imagery for Mineral Exploration of Vertical Outcrops. Remote Sensing, 2018, 10, 176.	1.8	44
5	DroneBorne Hyperspectral and Magnetic Data Integration: OtanmÃ¤ki FeTiV Deposit in Finland. Remote Sensing, 2019, 11, 2084.	1.8	39
6	Detection of REEs with lightweight UAV-based hyperspectral imaging. Scientific Reports, 2020, 10, 17450.	1.6	35
7	Remote Sensing Exploration of Nb-Ta-LREE-Enriched Carbonatite (Epembe/Namibia). Remote Sensing, 2016, 8, 620.	1.8	33
8	Multi-Sensor Spectral Imaging of Geological Samples: A Data Fusion Approach Using Spatio-Spectral Feature Extraction. Sensors, 2019, 19, 2787.	2.1	29
9	UAS-Based Hyperspectral Environmental Monitoring of Acid Mine Drainage Affected Waters. Minerals (Basel, Switzerland), 2021, 11, 182.	0.8	27
10	Integrated Geological and Geophysical Mapping of a Carbonatite-Hosting Outcrop in SiilinjÃ¤rvi, Finland, Using Unmanned Aerial Systems. Remote Sensing, 2020, 12, 2998.	1.8	25
11	Hyperspectral outcrop models for palaeoseismic studies. Photogrammetric Record, 2019, 34, 385-407.	0.4	17
12	Developing multi-sensor drones for geological mapping and mineral exploration: setup and first results from the MULSEDRO project. Geological Survey of Denmark and Greenland Bulletin, 0, 43, .	2.0	15
13	Towards Multiscale and Multisource Remote Sensing Mineral Exploration Using RPAS: A Case study in the Lofdal Carbonatite-Hosted REE Deposit, Namibia. Remote Sensing, 2019, 11, 2500.	1.8	14
14	Integration of Vessel-Based Hyperspectral Scanning and 3D-Photogrammetry for Mobile Mapping of Steep Coastal Cliffs in the Arctic. Remote Sensing, 2018, 10, 175.	1.8	13
15	Electron microprobe petrochronology of monazite-bearing garnet micaschists in the Oetztal-Stubai Complex (Alpeiner Valley, Stubai). Swiss Journal of Geosciences, 2019, 112, 597-617.	0.5	13
16	Processing of drone-borne hyperspectral data for geological applications. , 2016, , .		10
17	Fluvial-aeolian sedimentary facies, Sossusvlei, Namib Desert. Journal of Maps, 2018, 14, 630-643.	1.0	6
18	Fast 2D Laser-Induced Fluorescence Spectroscopy Mapping of Rare Earth Elements in Rock Samples. Sensors, 2019, 19, 2219.	2.1	6

#	Article	IF	Citations
19	3D Modeling of the Epembe (Namibia) Nb-Ta-P-(LREE) Carbonatite Deposit: New Insights into Geometry Related to Rare Metal Enrichment. Minerals (Basel, Switzerland), 2018, 8, 600.	0.8	4
20	Geological Remote Sensing. , 2021, , 301-314.		4
21	Drone-based magnetic and multispectral surveys to develop a 3D model for mineral exploration at Qullissat, Disko Island, Greenland. Solid Earth, 2022, 13, 793-825.	1.2	4
22	Unravelling the Deformation of Paleoproterozoic Marbles and Zn-Pb Ore Bodies by Combining 3D-Photogeology and Hyperspectral Data (Black Angel Mine, Central West Greenland). Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	4
23	Multi-Source and multi-Scale Imaging-Data Integration to boost Mineral Mapping. , 2019, , .		3
24	An Integrated Multi-Sensor System for the In-Line Monitoring of Material Streams. , 2019, , .		2
25	Long-Wave Hyperspectral Imaging for Lithological Mapping: A Case Study. , 2018, , .		1
26	Towards 4D Virtual Outcrops with Hyperspectral Imaging. , 2020, , .		0