

Petra Helmholz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spatio-Temporal Analysis of Sawa Lake's Physical Parameters between (1985-2020) and Drought Investigations Using Landsat Imageries. <i>Remote Sensing</i> , 2022, 14, 1831.	1.8	2
2	Investigation of Chromatic Aberration and Its Influence on the Processing of Underwater Imagery. <i>Remote Sensing</i> , 2020, 12, 3002.	1.8	4
3	From multi-sensor aerial data to thermal and infrared simulation of semantic 3D models: Towards identification of urban heat islands. <i>Infrared Physics and Technology</i> , 2020, 105, 103233.	1.3	11
4	Building detection and regularisation using DSM and imagery information. <i>Photogrammetric Record</i> , 2019, 34, 85-107.	0.4	18
5	Review of mobile laser scanning target-free registration methods for urban areas using improved error metrics. <i>Photogrammetric Record</i> , 2019, 34, 282-303.	0.4	3
6	Planar surface detection for sparse and heterogeneous mobile laser scanning point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 151, 141-161.	4.9	17
7	Crop Height Monitoring Using a Consumer-Grade Camera and UAV Technology. <i>PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science</i> , 2019, 87, 249-262.	0.7	8
8	Early human occupation of a maritime desert, Barrow Island, North-West Australia. <i>Quaternary Science Reviews</i> , 2017, 168, 19-29.	1.4	100
9	Semantically Enhanced 3D Building Model Reconstruction from Terrestrial Laser-Scanning Data. <i>Journal of Surveying Engineering, - ASCE</i> , 2017, 143, 04017015.	1.0	5
10	Pilbara rock art: laser scanning, photogrammetry and 3D photographic reconstruction as heritage management tools. <i>Heritage Science</i> , 2017, 5, .	1.0	30
11	3-Dimensional Facial Analysis-Facing Precision Public Health. <i>Frontiers in Public Health</i> , 2017, 5, 31.	1.3	13
12	Initiating an undiagnosed diseases program in the Western Australian public health system. <i>Orphanet Journal of Rare Diseases</i> , 2017, 12, 83.	1.2	24
13	Non-parametric belief propagation for mobile mapping sensor fusion. <i>Geo-Spatial Information Science</i> , 2016, 19, 195-201.	2.4	3
14	Survey Accuracy Analysis of a Hand-held Mobile LiDAR Device for Cultural Heritage Documentation. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2016, 2016, 153-165.	1.2	10
15	MLS-assisted validation of WorldView-2 panchromatic image for estimating <i>Pinus sylvestris</i> crown height. <i>Remote Sensing Letters</i> , 2015, 6, 125-134.	0.6	2
16	A novel protocol for assessment of aboveground biomass in rangeland environments. <i>Rangeland Journal</i> , 2015, 37, 157.	0.4	8
17	Semi-automatic verification of cropland and grassland using very high resolution mono-temporal satellite images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 97, 204-218.	4.9	21
18	Ground truthing protocols for biomass estimation in rangeland environments. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	Semi-automatic Quality Control of Topographic Data Sets. Photogrammetric Engineering and Remote Sensing, 2012, 78, 959-972.	0.3	11
20	COMPARATIVE STUDY OF AUTOMATIC PLANE FITTING REGISTRATION FOR MLS SPARSE POINT CLOUDS WITH DIFFERENT PLANE SEGMENTATION METHODS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W4, 115-122.	0.0	5
21	INTRODUCING A FRAMEWORK FOR CONFLATING ROAD NETWORK DATA WITH SEMANTIC WEB TECHNOLOGIES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W5, 231-238.	0.0	2
22	ASSESSMENT OF CHROMATIC ABERRATIONS FOR GOPRO 3 CAMERAS IN UNDERWATER ENVIRONMENTS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W5, 575-582.	0.0	3
23	A PROPOSAL TO USE SEMANTIC WEB TECHNOLOGIES FOR IMPROVED ROAD NETWORK INFORMATION EXCHANGE. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4, 147-154.	0.0	5
24	CLASSIFICATION AND REPRESENTATION OF COMMONLY USED ROOFING MATERIAL USING MULTISENSORIAL AERIAL DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1, 217-224.	0.2	6
25	NEW DTM EXTRACTION APPROACH FROM AIRBORNE IMAGES DERIVED DSM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1/W1, 75-82.	0.2	14
26	SUPPORT VECTOR MACHINE AND DECISION TREE BASED CLASSIFICATION OF SIDE-SCAN SONAR MOSAICS USING TEXTURAL FEATURES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 27-34.	0.2	10
27	COMPARISON OF UAV LIDAR AND IMAGERY FOR BEACH MONITORING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 589-596.	0.2	17
28	INVESTIGATION INTO THE BEHAVIOUR AND MODELLING OF CHROMATIC ABERRATIONS IN NON-METRIC DIGITAL CAMERAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W18, 99-106.	0.2	2
29	OVERVIEW OF STANDARDS TOWARDS ROAD ASSET INFORMATION EXCHANGE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4, 443-450.	0.2	8
30	Evaluation of vegetation indices for rangeland biomass estimation in the Kimberley area of Western Australia. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-7, 47-53.	0.0	21
31	APPROACH FOR THE SEMI-AUTOMATIC VERIFICATION OF 3D BUILDING MODELS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W1, 121-126.	0.2	2
32	CREATION OF 3D MODELS FROM LARGE UNSTRUCTURED IMAGE AND VIDEO DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W1, 133-137.	0.2	2
33	MODEL-TO-IMAGE REGISTRATION AND AUTOMATIC TEXTURE MAPPING USING A VIDEO SEQUENCE TAKEN BY A MINI UAV. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W1, 151-156.	0.2	4
34	Grammar-based Automatic 3D Model Reconstruction from Terrestrial Laser Scanning Data. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-4, 335-340.	0.2	3
35	SCAN PROFILES BASED METHOD FOR SEGMENTATION AND EXTRACTION OF PLANAR OBJECTS IN MOBILE LASER SCANNING POINT CLOUDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 351-358.	0.2	3
36	EVALUATION OF MODEL RECOGNITION FOR GRAMMAR-BASED AUTOMATIC 3D BUILDING MODEL RECONSTRUCTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B4, 63-69.	0.2	2

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37	ACCURACY ASSESSMENT OF GO PRO HERO 3 (BLACK) CAMERA IN UNDERWATER ENVIRONMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 477-483.	0.2	5
38	MULTITEMPORAL QUALITY ASSESSMENT OF GRASSLAND AND CROPLAND OBJECTS OF A TOPOGRAPHIC DATASET. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B4, 67-72.	0.2	1
39	POTENTIAL EVALUATION OF DIFFERENT TYPES OF IMAGES AND THEIR COMBINATION FOR THE CLASSIFICATION OF GIS OBJECTS CROPLAND AND GRASSLAND. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-4/W19, 251-257.	0.2	2
40	Modelling extreme wide-angle lens cameras. Photogrammetric Record, 0, , .	0.4	2
41	MULTISPECTRAL ANALYSIS OF INDIGENOUS ROCK ART USING TERRESTRIAL LASER SCANNING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 405-412.	0.2	1
42	INCORPORATION OF UNRELIABLE INFORMATION INTO PHOTOGRAMMETRIC RECONSTRUCTION FOR RECOVERY OF SCALE USING NON-PARAMETRIC BELIEF PROPAGATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 653-658.	0.2	0
43	ACCURACY ASSESSMENT OF GO PRO HERO 3 (BLACK) CAMERA IN UNDERWATER ENVIRONMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 477-483.	0.2	4