

# Cornelis Stal

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

511  
citations

840776

11  
h-index

677142

22  
g-index

38  
all docs

38  
docs citations

38  
times ranked

715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed recording of gully morphology in 3D through image-based modelling. <i>Catena</i> , 2015, 127, 92-101.	5.0	108
2	Airborne photogrammetry and lidar for DSM extraction and 3D change detection over an urban area – a comparative study. <i>International Journal of Remote Sensing</i> , 2013, 34, 1087-1110.	2.9	86
3	Methodology for the ovalization monitoring of newly built circular train tunnels based on laser scanning: Liefkenshoek Rail Link (Belgium). <i>Automation in Construction</i> , 2014, 43, 1-9.	9.8	66
4	Digital Elevation Model generation for historical landscape analysis based on LiDAR data, a case study in Flanders (Belgium). <i>Expert Systems With Applications</i> , 2011, 38, 8178-8185.	7.6	45
5	Talus slope geomorphology investigated at multiple time scales from high-resolution topographic surveys and historical aerial photographs (Sanetsch Pass, Switzerland). <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3653-3669.	2.5	22
6	Integrating geomatics in archaeological research at the site of Thorikos (Greece). <i>Journal of Archaeological Science</i> , 2014, 45, 112-125.	2.4	21
7	Using image-based modelling (SfM-MVS) to produce a 1935 ortho-mosaic of the Ethiopian highlands. <i>International Journal of Digital Earth</i> , 2015, 8, 421-430.	3.9	18
8	Recovery of the aerial photographs of Ethiopia in the 1930s. <i>Journal of Cultural Heritage</i> , 2016, 17, 170-178.	3.3	18
9	Measuring Surface Moisture on a Sandy Beach based on Corrected Intensity Data of a Mobile Terrestrial LiDAR. <i>Remote Sensing</i> , 2020, 12, 209.	4.0	15
10	Assessment of handheld mobile terrestrial laser scanning for estimating tree parameters. <i>Journal of Forestry Research</i> , 2021, 32, 1503-1513.	3.6	14
11	Terrestrial laser scanning as a key element in the integrated monitoring of tidal influences on a twin-tube concrete tunnel. <i>Photogrammetric Record</i> , 2014, 29, 402-416.	0.4	11
12	The use of SfM-photogrammetry to quantify and understand gully degradation at the temporal scale of rainfall events: an example from the Ethiopian drylands. <i>Physical Geography</i> , 2016, 37, 430-451.	1.4	11
13	Classification of airborne laser scanning point clouds based on binomial logistic regression analysis. <i>International Journal of Remote Sensing</i> , 2014, 35, 3219-3236.	2.9	10
14	Monitoring spatiotemporal variation in beach surface moisture using a long-range terrestrial laser scanner. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 173, 195-208.	11.1	10
15	Spatiotemporal data as the foundation of an archaeological stratigraphy extraction and management system. <i>Journal of Cultural Heritage</i> , 2016, 19, 522-530.	3.3	8
16	Digital Representation of Historical Globes: Methods to Make 3D and Pseudo-3D Models of Sixteenth Century Mercator Globes. <i>Cartographic Journal</i> , 2012, 49, 107-117.	1.5	7
17	A spatial pattern analysis of the halophytic species distribution in an arid coastal environment. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 224.	2.7	6
18	Study of post-processed GNSS measurements for tidal analysis in the Belgian North Sea. <i>Ocean Engineering</i> , 2016, 118, 165-172.	4.3	6

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19	Reconsidering the role of Thorikos within the Laurion silver mining area (Attica, Greece) through hydrological analyses. Journal of Archaeological Science, 2014, 41, 272-284.	2.4	4
20	Support vector regression for high-resolution beach surface moisture estimation from terrestrial LiDAR intensity data. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102458.	2.8	4
21	Laser Scanning for Precise Ovalization Measurements: Standard Deviations and Smoothing Levels. Journal of Surveying Engineering, - ASCE, 2016, 142, .	1.7	3
22	Cost-Effective Coastal Habitat Mapping: Detecting Intertidal Polychaete Aggregations with Low-Altitude Photogrammetry. Photogrammetric Engineering and Remote Sensing, 2019, 85, 899-905.	0.6	2
23	THE EVOLUTION OF EDUCATION IN LAND SURVEYING IN FLANDERS, BELGIUM: A WORK IN PROGRESS. , 2013, , .		2
24	The use of high resolution digital surface models for change detection and viewshed analysis in the urban area around the pyramids of Giza, Egypt. , 2013, , .		1
25	The gravity database for Belgium. Geoscience Data Journal, 2019, 6, 116-125.	4.4	1
26	STATISTICAL COMPARISON OF URBAN 3D MODELS FROM PHOTO MODELING AND AIRBORNE LASER 2012, , .		1
27	RISK ASSESSMENT: A COMPARISON BETWEEN THE USE OF LASER SCANNERS AND TOTAL STATIONS IN A SITUATION WHERE TIME IS THE CRITICAL FACTOR. , 2013, , .		1
28	TOWARDS COST-EFFICIENT PROSPECTION AND 3D VISUALIZATION OF UNDERWATER STRUCTURES USING COMPACT ROVS. , 2011, , .		1
29	CHANGE DETECTION ON CULTURAL HERITAGE BY RADIOMETRIC COMPARISON OF TERRESTRIAL PHOTOS AND TERRESTRIAL LASER SCANNING. , 2013, , .		1
30	Procedural City Model using Multi-source Parameter Estimation. , 2015, , .		1
31	On Finding a Projected Coordinate Reference System. Geographies, 2022, 2, 245-257.	1.5	1
32	Estimating groundwater nutrients using hyperspectral satellite imagery in the flemish meuse-valley. , 2016, , .		0
33	HIGHER HYDROGRAPHY EDUCATION IN BELGIUM. , 2013, , .		0
34	MOBILE MAPPING AND THE USE OF BACKSCATTER DATA FOR THE MODELLING OF INTERTIDAL ZONES OF BEACHES. , 2014, , .		0
35	DEVELOPMENT OF AN EFFICIENT APPROACH OF ARCHAEOLOGICAL HERITAGE IN THE INTERTIDAL ZONE OF THE BELGIAN NORTH SEA. , 0, , .		0