Mathieu Brédif

List of Publications by Year
in descending order

49 **papers**	733 **citations**	759055 12 **h-index**	940416 16 **g-index**
50 **all docs**	50 **docs citations**	50 **times ranked**	855 **citing authors**

#	Article	IF	Citations
1	TerraMobilita/iQmulus urban point cloud analysis benchmark. Computers and Graphics, 2015, 49, 126-133.	1.4	127
2	A Classification-Segmentation Framework for the Detection of Individual Trees in Dense MMS Point Cloud Data Acquired in Urban Areas. Remote Sensing, 2017, 9, 277.	1.8	72
3	Street environment change detection from mobile laser scanning point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 107, 38-49.	4.9	62
4	An efficient stochastic approach for building footprint extraction from digital elevation models. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 317-327.	4.9	51
5	A Hybrid Multiview Stereo Algorithm for Modeling Urban Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 5-17.	9.7	49
6	Extracting polygonal building footprints from digital surface models: A fully-automatic global optimization framework. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 77, 57-65.	4.9	43
7	Investigating the Mobile Phone Data to Estimate the Origin Destination Flow and Analysis; Case Study: Paris Region. Transportation Research Procedia, 2015, 6, 64-78.	0.8	29
8	Insertion of 3-D-Primitives in Mesh-Based Representations: Towards Compact Models Preserving the Details. IEEE Transactions on Image Processing, 2010, 19, 1683-1694.	6.0	27
9	A hybrid framework for single tree detection from airborne laser scanning data: A case study in temperate mature coniferous forests in Ontario, Canada. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 98, 44-57.	4.9	22
10	Constrained palette-space exploration. ACM Transactions on Graphics, 2017, 36, 1-14.	4.9	21
11	Hybrid multi-view reconstruction by Jump-Diffusion. , 2010, , .		20
12	Building footprint database improvement for 3D reconstruction: A split and merge approach and its evaluation. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 732-742.	4.9	19
13	AN ACCURACY ASSESSMENT OF AUTOMATED PHOTOGRAMMETRIC TECHNIQUES FOR 3D MODELING OF COMPLEX INTERIORS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B3, 23-28.	0.2	19
14	Detecting blind building façades from highly overlapping wide angle aerial imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 96, 193-209.	4.9	14
15	A web-based 3D mapping application using WebGL allowing interaction with images, point clouds and models. , 2012, , .		13
16	DETECTING AND CORRECTING MOTION BLUR FROM IMAGES SHOT WITH CHANNEL-DEPENDENT EXPOSURE TIME. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, I-3, 341-346.	0.0	10
17	DISTRIBUTED DIMENSONALITY-BASED RENDERING OF LIDAR POINT CLOUDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 559-564.	0.2	10
18	3D Building Reconstruction with Parametric Roof Superstructures. , 2007, , .		9

#	Article	IF	Citations
19	3D URBAN GEOVISUALIZATION: IN SITU AUGMENTED AND MIXED REALITY EXPERIMENTS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4, 41-48.	0.0	9
20	Combining meshes and geometric primitives for accurate and semantic modeling. , 2009, , .		9
21	Joint inpainting of depth and reflectance with visibility estimation. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 125, 16-32.	4.9	8
22	INTERPRETATION OF 2D AND 3D BUILDING DETAILS ON FACADES AND ROOFS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-3/W22, 137-142.	0.2	8
23	3D Watertight Mesh Generation with Uncertainties from Ubiquitous Data. Lecture Notes in Computer Science, 2017, , 377-391.	1.0	7
24	Progressive streaming and massive rendering of 3D city models on web-based virtual globe. , 2016, , .		7
25	LIBRJMCMC: AN OPEN-SOURCE GENERIC C++ LIBRARY FOR STOCHASTIC OPTIMIZATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B3, 259-264.	0.2	7
26	Visibility estimation and joint inpainting of lidar depth maps. , 2016, , .		6
27	INTERACTIVE IMAGE GEOLOCALIZATION IN AN IMMERSIVE WEB APPLICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W9, 377-380.	0.2	6
28	Image-Based Rendering of LOD1 3D City Models for traffic-augmented Immersive Street-view Navigation. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-3/W3, 7-11.	0.0	6
29	Diffusion and inpainting of reflectance and height LiDAR orthoimages. Computer Vision and Image Understanding, 2019, 179, 31-40.	3.0	5
30	SINGLE TREE DETECTION FROM AIRBORNE LASER SCANNING DATA USING A MARKED POINT PROCESS BASED METHOD. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-3/W1, 41-46.	0.0	5
31	THE IQMULUS URBAN SHOWCASE: AUTOMATIC TREE CLASSIFICATION AND IDENTIFICATION IN HUGE MOBILE MAPPING POINT CLOUDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 301-307.	0.2	5
32	3D OCTREE BASED WATERTIGHT MESH GENERATION FROM UBIQUITOUS DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 613-617.	0.2	4
33	DISOCCLUSION OF 3D LIDAR POINT CLOUDS USING RANGE IMAGES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-1/W1, 75-82.	0.0	4
34	3D roof details by 3D aerial vision. , 2011, , .		3
35	3D heterogeneous interactive web mapping application. , 2015, , .		3
36	THE EUROSDR PROJECT "RADIOMETRIC ASPECTS OF DIGITAL PHOTOGRAMMETRIC IMAGES" â€" RESULTS OF THE EMPIRICAL PHASE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-4/W19, 123-130.	0.2	3

#	Article	IF	Citations
37	MULTISCALE HAAR TRANSFORM FOR BLUR ESTIMATION FROM A SET OF IMAGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-3/W22, 65-70.	0.2	3
38	A SPATIO-TEMPORAL WEB APPLICATION FOR THE UNDERSTANDING OF THE FORMATION OF THE PARISIAN METROPOLIS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, VI-4/W1-2020, 45-52.	0.0	2
39	A Stochastic Method for the Generation of Optimized Building Layouts Respecting Urban Regulations. Advances in Geographic Information Science, 2015, , 265-288.	0.3	2
40	2D Arrangement-based Hierarchical Spatial Partitioning. , 2013, , .		1
41	REFLECTANCE ESTIMATION FROM URBAN TERRESTRIAL IMAGES: VALIDATION OF A SYMBOLIC RAY-TRACING METHOD ON SYNTHETIC DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-3/W22, 71-76.	0.2	1
42	GEOMETRIC DISTORTION OF HISTORICAL IMAGES FOR 3D VISUALIZATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 649-655.	0.0	1
43	VISUALIZING 3D CLIMATE DATA IN URBAN 3D MODELS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2020, 781-789.	0.2	1
44	Planar roof surface segmentation using 3D vision. , 2011, , .		0
45	Restituer les bidonvilles de Nanterre : l'apport d'un outil de visualisation 3D à un projet de sciences sociales. , 2021, , .	0.0	0
46	RECONSTRUCTION OF SKY ILLUMINATION DOMES FROM GROUND-BASED PANORAMAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B3, 269-274.	0.2	0
47	PROVABLY CONSISTENT DISTRIBUTED DELAUNAY TRIANGULATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 195-202.	0.0	0
48	Cluttering Reduction for Interactive Navigation and Visualization of Historical Images. Proceedings of the ICA, 0, 4, 1-7.	0.0	0
49	PROJECTIVE MULTITEXTURING OF CURRENT 3D CITY MODELS AND POINT CLOUDS WITH MANY HISTORICAL IMAGES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-4-2022, 213-218.	0.0	0