Gil Rito GonÃ§alves

List of Publications by Year
in descending order

50 papers	1,266 citations	361388 20 h-index	377849 34 g-index
51 all docs	51 docs citations	51 times ranked	1441 citing authors

#	Article	IF	Citations
1	3-D mapping of a multi-layered Mediterranean forest using ALS data. Remote Sensing of Environment, 2012, 121, 210-223.	11.0	174
2	Current Practices in UAS-based Environmental Monitoring. Remote Sensing, 2020, 12, 1001.	4.0	135
3	Mapping marine litter using UAS on a beach-dune system: a multidisciplinary approach. Science of the Total Environment, 2020, 706, 135742.	8.0	92
4	The impact of number and spatial distribution of GCPs on the positional accuracy of geospatial products derived from low-cost UASs. International Journal of Remote Sensing, 2018, 39, 7154-7171.	2.9	55
5	Quantifying Marine Macro Litter Abundance on a Sandy Beach Using Unmanned Aerial Systems and Object-Oriented Machine Learning Methods. Remote Sensing, 2020, 12, 2599.	4.0	53
6	Mapping marine litter on coastal dunes with unmanned aerial systems: A showcase on the Atlantic Coast. Science of the Total Environment, 2020, 736, 139632.	8.0	53
7	Mapping marine litter with Unmanned Aerial Systems: A showcase comparison among manual image screening and machine learning techniques. Marine Pollution Bulletin, 2020, 155, 111158.	5.0	48
8	Beach-dune morphodynamics and marine macro-litter abundance: An integrated approach with Unmanned Aerial System. Science of the Total Environment, 2020, 749, 141474.	8.0	45
9	Spatial and size distribution of macro-litter on coastal dunes from drone images: A case study on the Atlantic coast. Marine Pollution Bulletin, 2021, 169, 112490.	5.0	45
10	Airborne Lidar Estimation of Aboveground Forest Biomass in the Absence of Field Inventory. Remote Sensing, 2016, 8, 653.	4.0	43
11	Accuracy and effectiveness of low cost UASs and open source photogrammetric software for foredunes mapping. International Journal of Remote Sensing, 2018, 39, 5059-5077.	2.9	38
12	Using a VGI and GIS-Based Multicriteria Approach for Assessing the Potential of Rural Tourism in Extremadura (Spain). Sustainability, 2016, 8, 1144.	3.2	37
13	Is coastal erosion a source of marine litter pollution? Evidence of coastal dunes being a reservoir of plastics. Marine Pollution Bulletin, 2022, 174, 113307.	5.0	36
14	Surveying coastal cliffs using two UAV platforms (multirotor and fixed-wing) and three different approaches for the estimation of volumetric changes. International Journal of Remote Sensing, 2020, 41, 8143-8175.	2.9	35
15	3D Reconstruction of Coastal Cliffs from Fixed-Wing and Multi-Rotor UAS: Impact of SfM-MVS Processing Parameters, Image Redundancy and Acquisition Geometry. Remote Sensing, 2021, 13, 1222.	4.0	34
16	Drones for litter mapping: An inter-operator concordance test in marking beached items on aerial images. Marine Pollution Bulletin, 2021, 169, 112542.	5.0	33
17	Citizen Science for Marine Litter Detection and Classification on Unmanned Aerial Vehicle Images. Water (Switzerland), 2021, 13, 3349.	2.7	33
18	A Modified Lyzengaâ€™s Model for Multispectral Bathymetry Using Tikhonov Regularization. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 53-57.	3.1	30

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19	A Building Information Modeling Approach to Integrate Geomatic Data for the Documentation and Preservation of Cultural Heritage. Remote Sensing, 2020, 12, 4028.	4.0	28
20	Detecting stranded macro-litter categories on drone orthophoto by a multi-class Neural Network. Marine Pollution Bulletin, 2021, 169, 112594.	5.0	24
21	Beached and Floating Litter Surveys by Unmanned Aerial Vehicles: Operational Analogies and Differences. Remote Sensing, 2022, 14, 1336.	4.0	22
22	Accuracy and effectiveness of orthophotos obtained from low cost UASs video imagery for traffic accident scenes documentation. Advances in Engineering Software, 2019, 132, 47-54.	3.8	20
23	Operational use of multispectral images for macro-litter mapping and categorization by Unmanned Aerial Vehicle. Marine Pollution Bulletin, 2022, 176, 113431.	5.0	18
24	Canopy Density Model: A New ALS-Derived Product to Generate Multilayer Crown Cover Maps. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6776-6790.	6.3	14
25	ADDRESSING THE CLASS IMBALANCE PROBLEM IN THE AUTOMATIC IMAGE CLASSIFICATION OF COASTAL LITTER FROM ORTHOPHOTOS DERIVED FROM UAS IMAGERY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2020, 439-445.	0.0	14
26	Preserving cartographic quality in DTM interpolation from contour lines. ISPRS Journal of Photogrammetry and Remote Sensing, 2002, 56, 210-220.	11.1	12
27	3D segmentation of forest structure using a mean-shift based algorithm. , 2010, , .		12
28	Spatially adaptive total variation deblurring with split Bregman technique. IET Image Processing, 2018, 12, 948-958.	2.5	12
29	On the 3D Reconstruction of Coastal Structures by Unmanned Aerial Systems with Onboard Global Navigation Satellite System and Real-Time Kinematics and Terrestrial Laser Scanning. Remote Sensing, 2022, 14, 1485.	4.0	11
30	Robust Ground Peak Extraction With Range Error Estimation Using Full-Waveform LiDAR. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1190-1194.	3.1	10
31	On the positional accuracy and maximum allowable scale of UAV-derived photogrammetric products for archaeological site documentation. Geocarto International, 2019, 34, 575-585.	3.5	10
32	Monitoring Local Shoreline Changes by Integrating UASs, Airborne LiDAR, Historical Images and Orthophotos. , 2019, , .		8
33	A Thorough Accuracy Estimation of DTM Produced From Airborne Full-Waveform Laser Scanning Data of Unmanaged Eucalypt Plantations. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3256-3266.	6.3	7
34	Introduction to Geographical Information Systems. , 2007, , 55-61.		6
35	AUTOMATIC EXTRACTION OF TIDE-COORDINATED SHORELINE USING OPEN SOURCE SOFTWARE AND LANDSAT IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 953-957.	0.2	4
36	Data Acquisition in Cultural Heritage Buildings Using Non-destructive Techniques, and Its Gathering with BIMâ€"The Case Study of the Gothic Monastery of Batalha in Portugal. Advances in Science, Technology and Innovation, 2021, , 59-68.	0.4	4

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37	The Unknown Spatial Quality of Dense Point Clouds Derived From Stereo Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1013-1017.	3.1	3
38	A protocol for mapping archaeological sites through aerial 4k videos. Digital Applications in Archaeology and Cultural Heritage, 2019, 13, e00101.	1.3	3
39	Detecting changes on coastal primary sand dunes using multi-temporal Landsat imagery. Proceedings of SPIE, 2014, , .	0.8	2
40	Comparing small-footprint lidar and forest inventory data for single strata biomass estimation - A case study over a multi-layered mediterranean forest. , 2012, , .		1
41	Collaborative and flexible processing infrastructure for coastal monitoring. , 2015, , .		1
42	ProduÃ§Ã£o automÃ¡tica de ortofotos em Ã¡reas urbanas utilizando veÃculos aÃ©reos nÃ£o-tripulados e software de cÃ³digo aberto. , 0, , 705-722.		1
43	Single strata canopy cover estimation using airborne laser scanning data. , 2013, , .		0
44	Estimation de la Biomasse AÃ©rienne Ã partir de donnÃ©es lidar aÃ©roportÃ©. Revue Francaise De Photogrammetrie Et De Teledetection, 2014, , 59-68.	0.2	0
45	Atas das I Jornadas LusÃ³fonas de CiÃªncias e Tecnologias de InformaÃ§Ã£o GeogrÃ¡fica. , 2015, , .		0
46	A variational model for image fusion with simultaneous cartoon and texture decomposition. , 2015, , 57-62.		0
47	A Variational Model for Image Artifact Correction Based on Wasserstein Distance. Lecture Notes in Computational Vision and Biomechanics, 2018, , 43-51.	0.5	0
48	Mapping and Monitoring Airports with Sentinel 1 and 2 Data - Urban Geospatial Mapping for the SCRAMJET Business Networking Tool. , 2018, , .		0
49	AnÃ¡lisis comparativo del levantamiento del terreno mediante UAS y topografÃa clÃ¡sica en proyectos de trazado de carreteras. Informes De La Construccion, 2022, 74, e431.	0.3	0
50	COMBINING UNMANNED AERIAL SYSTEMS AND STRUCTURE FROM MOTION PHOTOGRAMMETRY TO RECONSTRUCT THE GEOMETRY OF GROINS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2022, 1003-1008.	0.2	0