

Dimitrios Skarlatos

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,018
citations

516561

16
h-index

526166

27
g-index

51
all docs

51
docs citations

51
times ranked

1107
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial for Underwater 3D Recording & Modelling. Remote Sensing, 2021, 13, 665.	1.8	0
2	Needs and Gaps in Optical Underwater Technologies and Methods for the Investigation of Marine Animal Forest 3D-Structural Complexity. Frontiers in Marine Science, 2021, 8, .	1.2	24
3	Learning from Synthetic Data: Enhancing Refraction Correction Accuracy for Airborne Image-Based Bathymetric Mapping of Shallow Coastal Waters. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2021, 89, 91.	0.7	4
4	An Extensive Literature Review on Underwater Image Colour Correction. Sensors, 2021, 21, 5690.	2.1	12
5	Evaluating the Potential of Augmented Reality Interfaces for Exploring Underwater Historical Sites. IEEE Access, 2021, 9, 45017-45031.	2.6	8
6	Virtual Reality with 360-Video Storytelling in Cultural Heritage: Study of Presence, Engagement, and Immersion. Sensors, 2020, 20, 5851.	2.1	57
7	Vegetation Detection Using Deep Learning and Conventional Methods. Remote Sensing, 2020, 12, 2502.	1.8	52
8	Breeding success of Eleonora's Falcon in Cyprus revisited using survey techniques for cliff-nesting species. Condor, 2020, 122, .	0.7	6
9	Correcting Image Refraction: Towards Accurate Aerial Image-Based Bathymetry Mapping in Shallow Waters. Remote Sensing, 2020, 12, 322.	1.8	42
10	Image-Based Underwater 3D Reconstruction for Cultural Heritage: From Image Collection to 3D. Critical Steps and Considerations. Springer Series on Cultural Computing, 2020, , 141-158.	0.4	4
11	Underwater Search and Discovery: From Serious Games to Virtual Reality. Lecture Notes in Computer Science, 2020, , 178-197.	1.0	2
12	Underwater augmented reality for improving the diving experience in submerged archaeological sites. Ocean Engineering, 2019, 190, 106487.	1.9	29
13	Evaluation of "The Seafarers": A serious game on seaborne trade in the Mediterranean sea during the Classical period. Digital Applications in Archaeology and Cultural Heritage, 2019, 12, e00090.	0.9	3
14	Detecting Square Markers in Underwater Environments. Remote Sensing, 2019, 11, 459.	1.8	22
15	DepthLearn: Learning to Correct the Refraction on Point Clouds Derived from Aerial Imagery for Accurate Dense Shallow Water Bathymetry Based on SVMs-Fusion with LiDAR Point Clouds. Remote Sensing, 2019, 11, 2225.	1.8	26
16	A Novel Iterative Water Refraction Correction Algorithm for Use in Structure from Motion Photogrammetric Pipeline. Journal of Marine Science and Engineering, 2018, 6, 77.	1.2	19
17	Guidelines for Underwater Image Enhancement Based on Benchmarking of Different Methods. Remote Sensing, 2018, 10, 1652.	1.8	41
18	The Curve Number Concept as a Driver for Delineating Hydrological Response Units. Water (Switzerland), 2018, 10, 194.	1.2	11

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19	Impact of Dehazing on Underwater Marker Detection for Augmented Reality. <i>Frontiers in Robotics and AI</i> , 2018, 5, 92.	2.0	11
20	Development and integration of digital technologies addressed to raise awareness and access to European underwater cultural heritage. An overview of the H2020 i-MARECULTURE project. , 2017, , .		16
21	A serious game for understanding ancient seafaring in the Mediterranean sea. , 2017, , .		11
22	Assessment of Vegetation Indices Derived by UAV Imagery for Durum Wheat Phenotyping under a Water Limited and Heat Stressed Mediterranean Environment. <i>Frontiers in Plant Science</i> , 2017, 8, 1114.	1.7	109
23	Optimal site selection for sitting a solar park using multi-criteria decision analysis and geographical information systems. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 321-332.	0.6	70
24	Project iMARECULTURE: Advanced VR, iMmersive Serious Games and Augmented REality as Tools to Raise Awareness and Access to European Underwater CULTURal heritagE. <i>Lecture Notes in Computer Science</i> , 2016, , 805-813.	1.0	23
25	Investigating Correlation among NDVI Index Derived by Unmanned Aerial Vehicle Photography and Grain Yield under Late Drought Stress Conditions. <i>Procedia Environmental Sciences</i> , 2015, 29, 225-226.	1.3	34
26	Spatial and seasonal variability of tap water disinfection by-products within distribution pipe networks. <i>Science of the Total Environment</i> , 2015, 506-507, 26-35.	3.9	42
27	Delineating hydrological response units in a mountainous catchment and its evaluation on water mass balance and model performance. , 2014, , .		1
28	Methode zur Bewertung der internen Genauigkeit einer Dense-Stereo-Messung, dargestellt am Parthenonfries. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2014, 2014, 189-195.	1.2	1
29	Adaptive calibration of an underwater robot vision system based on hemispherical optics. , 2014, , .		4
30	An "Open"™ Method for 3D Modelling and Mapping in Underwater Archaeological Sites. <i>International Journal of Heritage in the Digital Era</i> , 2012, 1, 1-24.	0.5	48
31	A novel method for automating the checking and correction of digital elevation models using orthophotographs. <i>Photogrammetric Record</i> , 2003, 18, 156-163.	0.4	9
32	Orthophotograph Production in Urban Areas. <i>Photogrammetric Record</i> , 1999, 16, 643-650.	0.4	16
33	Three Dimensional Visualization of the Built Environment Using Digital Orthophotography. <i>Photogrammetric Record</i> , 1997, 15, 913-921.	0.4	1
34	DEFORMATION MONITORING OF MATERIALS UNDER STRESS IN LABORATORY EXPERIMENTS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, III-5, 35-41.	0.0	2
35	VEGETATION REMOVAL FROM UAV DERIVED DSMS, USING COMBINATION OF RGB AND NIR IMAGERY. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-2, 255-262.	0.0	10
36	UNDERWATER PHOTOGRAMMETRY IN VERY SHALLOW WATERS: MAIN CHALLENGES AND CAUSTICS EFFECT REMOVAL. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2, 15-22.	0.2	17

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37	PRECISION POTENTIAL OF UNDERWATER NETWORKS FOR ARCHAEOLOGICAL EXCAVATION THROUGH TRILATERATION AND PHOTOGRAMMETRY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W10, 175-180.	0.2	12
38	VIRTUAL TOUR IN THE SUNKEN "VILLA CON INGRESSO A PROTIRO" WITHIN THE UNDERWATER ARCHAEOLOGICAL PARK OF BAIAE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W10, 45-51.	0.2	10
39	UNDERSTANDING UNDERWATER PHOTOGRAMMETRY FOR MARITIME ARCHAEOLOGY THROUGH IMMERSIVE VIRTUAL REALITY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W10, 85-91.	0.2	11
40	SHALLOW WATER BATHYMETRY MAPPING FROM UAV IMAGERY BASED ON MACHINE LEARNING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W10, 9-16.	0.2	38
41	SOFTWARE COMPARISON FOR UNDERWATER ARCHAEOLOGICAL PHOTOGRAMMETRIC APPLICATIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W15, 1195-1201.	0.2	8
42	THE EFFECT OF UNDERWATER IMAGERY RADIOMETRY ON 3D RECONSTRUCTION AND ORTHOIMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 25-31.	0.2	14
43	3D MODELLING AND MAPPING FOR VIRTUAL EXPLORATION OF UNDERWATER ARCHAEOLOGY ASSETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 425-431.	0.2	37
44	LONG CORRIDOR SURVEY FOR HIGH VOLTAGE POWER LINES DESIGN USING UAV. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W8, 249-255.	0.2	2
45	COMPARISON OF LASER SCANNING, PHOTOGRAMMETRY AND SFM-MVS PIPELINE APPLIED IN STRUCTURES AND ARTIFICIAL SURFACES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, 1-3, 299-304.	0.0	43
46	DIRECT ORTHOPHOTO GENERATION FROM COLOR POINT CLOUDS OF COMPLEX SCENES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W2, 367-371.	0.2	2
47	FOVEON VS BAYER: COMPARISON OF 3D RECONSTRUCTION PERFORMANCES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W9, 755-761.	0.2	1