

# 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	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
2	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
3	Virtual Reality with 360-Video Storytelling in Cultural Heritage: Study of Presence, Engagement, and Immersion. <i>Sensors</i> , 2020, 20, 5851.	2.1	57
4	Vegetation Detection Using Deep Learning and Conventional Methods. <i>Remote Sensing</i> , 2020, 12, 2502.	1.8	52
5	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
6	COMPARISON OF LASER SCANNING, PHOTOGRAMMETRY AND SFM-MVS PIPELINE APPLIED IN STRUCTURES AND ARTIFICIAL SURFACES. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, I-3, 299-304.	0.0	43
7	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
8	Correcting Image Refraction: Towards Accurate Aerial Image-Based Bathymetry Mapping in Shallow Waters. <i>Remote Sensing</i> , 2020, 12, 322.	1.8	42
9	Guidelines for Underwater Image Enhancement Based on Benchmarking of Different Methods. <i>Remote Sensing</i> , 2018, 10, 1652.	1.8	41
10	SHALLOW WATER BATHYMETRY MAPPING FROM UAV IMAGERY BASED ON MACHINE LEARNING. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W10, 9-16.	0.2	38
11	3D MODELLING AND MAPPING FOR VIRTUAL EXPLORATION OF UNDERWATER ARCHAEOLOGY ASSETS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W3, 425-431.	0.2	37
12	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
13	Underwater augmented reality for improving the diving experience in submerged archaeological sites. <i>Ocean Engineering</i> , 2019, 190, 106487.	1.9	29
14	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. <i>Remote Sensing</i> , 2019, 11, 2225.	1.8	26
15	Needs and Gaps in Optical Underwater Technologies and Methods for the Investigation of Marine Animal Forest 3D-Structural Complexity. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	24
16	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
17	Detecting Square Markers in Underwater Environments. <i>Remote Sensing</i> , 2019, 11, 459.	1.8	22
18	A Novel Iterative Water Refraction Correction Algorithm for Use in Structure from Motion Photogrammetric Pipeline. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 77.	1.2	19

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19	UNDERWATER PHOTOGRAMMETRY IN VERY SHALLOW WATERS: MAIN CHALLENGES AND CAUSTICS EFFECT REMOVAL. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 15-22.	0.2	17
20	Orthophotograph Production in Urban Areas. Photogrammetric Record, 1999, 16, 643-650.	0.4	16
21	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
22	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
23	An Extensive Literature Review on Underwater Image Colour Correction. Sensors, 2021, 21, 5690.	2.1	12
24	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
25	A serious game for understanding ancient seafaring in the Mediterranean sea. , 2017, , .		11
26	The Curve Number Concept as a Driver for Delineating Hydrological Response Units. Water (Switzerland), 2018, 10, 194.	1.2	11
27	Impact of Dehazing on Underwater Marker Detection for Augmented Reality. Frontiers in Robotics and AI, 2018, 5, 92.	2.0	11
28	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
29	VEGETATION REMOVAL FROM UAV DERIVED DSMS, USING COMBINATION OF RGB AND NIR IMAGERY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2, 255-262.	0.0	10
30	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
31	A novel method for automating the checking and correction of digital elevation models using orthophotographs. Photogrammetric Record, 2003, 18, 156-163.	0.4	9
32	Evaluating the Potential of Augmented Reality Interfaces for Exploring Underwater Historical Sites. IEEE Access, 2021, 9, 45017-45031.	2.6	8
33	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
34	Breeding success of Eleonora's Falcon in Cyprus revisited using survey techniques for cliff-nesting species. Condor, 2020, 122, .	0.7	6
35	Adaptive calibration of an underwater robot vision system based on hemispherical optics. , 2014, , .		4
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	DEFORMATION MONITORING OF MATERIALS UNDER STRESS IN LABORATORY EXPERIMENTS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, III-5, 35-41.	0.0	2
40	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
41	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
42	Underwater Search and Discovery: From Serious Games to Virtual Reality. Lecture Notes in Computer Science, 2020, , 178-197.	1.0	2
43	Three Dimensional Visualization of the Built Environment Using Digital Orthophotography. Photogrammetric Record, 1997, 15, 913-921.	0.4	1
44	Delineating hydrological response units in a mountainous catchment and its evaluation on water mass balance and model performance. , 2014, , .		1
45	Methode zur Bewertung der internen Genauigkeit einer Dense-Stereo-Messung, dargestellt am Parthenonfries. Photogrammetrie, Fernerkundung, Geoinformation, 2014, 2014, 189-195.	1.2	1
46	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
47	Editorial for Underwater 3D Recording & Modelling. Remote Sensing, 2021, 13, 665.	1.8	0