Konstantinos G Nikolakopoulos

List of Publications by Year
in descending order

119 **papers**	1,159 **citations**
430442 18 **h-index**	476904 29 **g-index**
120 **all docs**	120 **docs citations**
120 **times ranked**	1002 **citing authors**

#	Article	IF	Citations
1	Comparison of Nine Fusion Techniques for Very High Resolution Data. Photogrammetric Engineering and Remote Sensing, 2008, 74, 647-659.	0.3	116
2	UAV vs classical aerial photogrammetry for archaeological studies. Journal of Archaeological Science: Reports, 2017, 14, 758-773.	0.2	80
3	Combination of Aerial, Satellite, and UAV Photogrammetry for Mapping the Diachronic Coastline Evolution: The Case of Lefkada Island. ISPRS International Journal of Geo-Information, 2019, 8, 489.	1.4	50
4	A review and meta-analysis of remote sensing data, GIS methods, materials and indices used for monitoring the coastline evolution over the last twenty years. European Journal of Remote Sensing, 2021, 54, 240-265.	1.7	49
5	Quality assessment of ten fusion techniques applied on Worldview-2. European Journal of Remote Sensing, 2015, 48, 141-167.	1.7	45
6	Treatise on the tectonic geomorphology of active faults: The significance of using a universal digital elevation model. Journal of Structural Geology, 2018, 116, 241-252.	1.0	43
7	Developing a landslide susceptibility map based on remote sensing, fuzzy logic and expert knowledge of the Island of Lefkada, Greece. Environmental Earth Sciences, 2018, 77, 1.	1.3	40
8	Repeated UAV Campaigns, GNSS Measurements, GIS, and Petrographic Analyses for Landslide Mapping and Monitoring. Minerals (Basel, Switzerland), 2021, 11, 300.	0.8	37
9	Preliminary results from active landslide monitoring using multidisciplinary surveys. European Journal of Remote Sensing, 2017, 50, 280-299.	1.7	33
10	Synergistic Use of UAV and USV Data and Petrographic Analyses for the Investigation of Beachrock Formations: A Case Study from Syros Island, Aegean Sea, Greece. Minerals (Basel, Switzerland), 2018, 8, 534.	0.8	31
11	Accuracy assessment of ALOS AW3D30 DSM and comparison to ALOS PRISM DSM created with classical photogrammetric techniques. European Journal of Remote Sensing, 2020, 53, 39-52.	1.7	30
12	Assessing the suitability of Sentinel-1 data for landslide mapping. European Journal of Remote Sensing, 2018, 51, 402-411.	1.7	27
13	Post-seismic monitoring of cliff mass wasting using an unmanned aerial vehicle and field data at Egremni, Lefkada Island, Greece. Geomorphology, 2020, 367, 107306.	1.1	27
14	Evapotranspiration Trends and Interactions in Light of the Anthropogenic Footprint and the Climate Crisis: A Review. Hydrology, 2021, 8, 163.	1.3	26
15	How Image Acquisition Geometry of UAV Campaigns Affects the Derived Products and Their Accuracy in Areas with Complex Geomorphology. ISPRS International Journal of Geo-Information, 2021, 10, 408.	1.4	22
16	Digital Elevation Models of Rockfalls and Landslides: A Review and Meta-Analysis. Geosciences (Switzerland), 2021, 11, 256.	1.0	21
17	Description of a GIS-based rockfall hazard assessment methodology and its application in mountainous sites. Bulletin of Engineering Geology and the Environment, 2020, 79, 645-658.	1.6	20
18	Assessment and Quantification of the Accuracy of Low- and High-Resolution Remote Sensing Data for Shoreline Monitoring. ISPRS International Journal of Geo-Information, 2020, 9, 391.	1.4	20

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19	Artificial Neural Networks for the Prediction of the Reference Evapotranspiration of the Peloponnese Peninsula, Greece. Water (Switzerland), 2022, 14, 2027.	1.2	20
20	The March 2021 Damasi Earthquake Sequence, Central Greece: Reactivation Evidence across the Westward Propagating Tyrnavos Graben. Geosciences (Switzerland), 2021, 11, 328.	1.0	19
21	Multiple Linear Regression Models with Limited Data for the Prediction of Reference Evapotranspiration of the Peloponnese, Greece. Hydrology, 2022, 9, 124.	1.3	19
22	Earthquake-triggered landslides and mudflows: Was this the wave that engulfed Ancient Helike?. Holocene, 2020, 30, 1653-1668.	0.9	17
23	Estimating Soil Erosion Rate Changes in Areas Affected by Wildfires. ISPRS International Journal of Geo-Information, 2020, 9, 562.	1.4	17
24	Reference Evapotranspiration (ETo) Methods Implemented as ArcMap Models with Remote-Sensed and Ground-Based Inputs, Examined along with MODIS ET, for Peloponnese, Greece. ISPRS International Journal of Geo-Information, 2021, 10, 390.	1.4	17
25	Coastal areas mapping using UAV photogrammetry. , 2017, , .		17
26	Developing a Guideline of Unmanned Aerial Vehicle's Acquisition Geometry for Landslide Mapping and Monitoring. Applied Sciences (Switzerland), 2022, 12, 4598.	1.3	15
27	Last glacial geomorphologic records in Mt Chelmos, North Peloponnesus, Greece. Journal of Mountain Science, 2018, 15, 948-965.	0.8	14
28	Landslide mapping using optical and radar data: a case study from Aminteo, Western Macedonia Greece. European Journal of Remote Sensing, 2020, 53, 17-27.	1.7	14
29	The Importance of Geotechnical Evaluation and Shoreline Evolution in Coastal Vulnerability Index Calculations. Journal of Marine Science and Engineering, 2021, 9, 423.	1.2	13
30	Estimating Quantitative Morphometric Parameters and Spatiotemporal Evolution of the Prokopos Lagoon Using Remote Sensing Techniques. Journal of Marine Science and Engineering, 2022, 10, 931.	1.2	13
31	Assessing the quality of DSM from ALOS optical and radar data for automatic drainage extraction. Earth Science Informatics, 2015, 8, 293-307.	1.6	11
32	Emergency response to landslide using GNSS measurements and UAV. , 2017, , .		11
33	Annual Actual Evapotranspiration Estimation via GIS Models of Three Empirical Methods Employing Remotely Sensed Data for the Peloponnese, Greece, and Comparison with Annual MODIS ET and Pan Evaporation Measurements. ISPRS International Journal of Geo-Information, 2021, 10, 522.	1.4	10
34	Comparing a DTM created with ASTER data to GTOPO 30 and to one created from 1/50.000 topographic maps. , 2004, 5574, 43.		9
35	Monitoring the urban expansion of Athens using remote sensing and GIS techniques in the last 35 years. , 2005, 5983, 64.		9
36	An Event-Based Inventory Approach in Landslide Hazard Assessment: The Case of the Skolis Mountain, Northwest Peloponnese, Greece. ISPRS International Journal of Geo-Information, 2020, 9, 457.	1.4	9

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37	Flood mapping from Sentinel-1 and Landsat-8 data: a case study from river Evros, Greece. , 2015, , .		8
38	UAVs for the rapid assessment of the damages in the coastal zone after a storm. , 2018, , .		8
39	Active landslide monitoring using remote sensing data, GPS measurements and cameras on board UAV. Proceedings of SPIE, 2015, , .	0.8	7
40	A multisource approach for coastal mapping purposes: Limeni bay, Mani and surrounding area, southern Greece. Earth Science Informatics, 2016, 9, 183-196.	1.6	7
41	Assessment of freely available DSMs for automatic karst feature detection. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	7
42	Comparison of terrestrial laser scanning and structure-from-motion photogrammetry for steep slope mapping. , 2018, , .		7
43	Remote sensing methods to estimate evapotranspiration incorporating MODIS derived data and applications over Greece: a review. , 2020, , .		7
44	Updating the 1:50.000 topographic maps using ASTER and SRTM DEM: the case of Athens, Greece. , 2006, 6366, 35.		6
45	Statistical methods to estimate the accuracy of diachronic low-resolution satellite instruments for shoreline monitoring. Journal of Applied Remote Sensing, 2021, 16, .	0.6	6
46	EO-1 Hyperion and ALI bands simulation to Landat 7 ETM+ bands for mineral mapping in Milos Island. Proceedings of SPIE, 2008, , .	0.8	5
47	Combined Use of Remote Sensing Data, Mineralogical Analyses, Microstructure Studies and Geographic Information System for Geological Mapping of Antiparos Island (Greece). Geosciences (Switzerland), 2018, 8, 96.	1.0	5
48	Landslide mapping and volume estimation using UAV-based point clouds, GIS and geophysical techniques. , 2020, , .		5
49	Comparative study of fusing ETM data with five different techniques for the broader area of Pyrgos, Greece. , 2004, 5238, 84.		4
50	Quarry monitoring using GPS measurements and UAV photogrammetry. , 2015, , .		4
51	Development of GIS models via optical programming and python scripts to implement four empirical methods of reference and actual evapotranspiration (ETo, ETa) incorporating MODIS LST inputs. , 2021, , .		4
52	GIS based analysis and accuracy assessment of low-resolution satellite imagery for coastline monitoring. , 2020, , .		4
53	Assessment of freely available DSMs for landslide-rockfall studies. , 2020, , .		4
54	UAV, GIS, and Petrographic Analysis for Beachrock Mapping and Preliminary Analysis in the Compressional Geotectonic Setting of Epirus, Western Greece. Minerals (Basel, Switzerland), 2022, 12, 392.	0.8	4

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55	Pansharp vs. wavelet vs. PCA fusion technique for use with Landsat ETM panchromatic and multispectral data. , 2004, , .		3
56	Use of vegetation indexes and PCA method with remote sensing data for the classification of burnt areas according to how many times they have been burnt. , 2004, 5232, 196.		3
57	Hyperspectral data and methods for coastal water mapping. , 2006, , .		3
58	EO-1 Hyperion and ALI bands simulation to Landat 7 ETM+ bands and comparison. Proceedings of SPIE, 2007, , .	0.8	3
59	Testing the performance of the MNDVI vegetation index. , 2009, , .		3
60	Landslide detection using ALOS optical data: the case of Sykies Village in Andritsena, Greece. Proceedings of SPIE, 2012, , .	0.8	3
61	Landslide monitoring using airphotos time series and GIS. , 2014, , .		3
62	Rockfall risk evaluation using geotechnical survey, remote sensing data, and GIS: a case study from western Greece. , 2015, , .		3
63	3D subsurface geological modeling using GIS, remote sensing, and boreholes data. Proceedings of SPIE, 2016, , .	0.8	3
64	Estimating the accuracy of vectors derived from open data. , 2017, , .		3
65	A synergy of radar and optical data of Copernicus programme for landslide mapping. , 2018, , .		3
66	New perspectives in coastal monitoring. , 2019, , .		3
67	A study on recent ground deformation near Patras, Greece. , 2019, , .		3
68	How to set up a dam monitoring system with PSInSAR and GPS. , 2020, , .		3
69	Use of Landsat TM images for the detection of water outflows in the coastal area of south Attiki Peninsula, Greece. , 2003, , .		2
70	Eight different fusion techniques for use with very high-resolution data. , 2005, , .		2
71	Spatial resolution enhancement of EO-1 ALI bands. , 2006, , .		2
72	Updating the 1:50.000 geological maps of Rhodes Island using remote sensing data and GIS techniques. , 2007, , .		2

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73	Spatial resolution enhancement of Hyperion hyperspectral data. , 2009, , .		2
74	Ameliorating the spatial resolution of GeoEye data. , 2010, , .		2
75	DSM from ALOS data: the case of Andritsena, Greece. , 2010, , .		2
76	Monitoring a quarry using high resolution data and GIS techniques. Proceedings of SPIE, 2010, , .	0.8	2
77	Fusion of declassified airphotos and Landsat MSS data for old landslides detection. Proceedings of SPIE, 2014, , .	0.8	2
78	DSM generation from Sentinel and COSMO-SkyMed data using interferometry and radargrammetry: a case study from Mykonos, Greece. , 2015, , .		2
79	DSM generation using multiple radar data for relief change detection in North Peloponnese. , 2016, , .		2
80	Evaluating ALOS AW3D30 data. , 2017, , .		2
81	Commercial vs professional UAVs for mapping. , 2017, , .		2
82	Rockfalls systematic monitoring using UAVs: the case of Zachlorou village. , 2020, , .		2
83	Fusion and atmospheric correction techniques on multitemporal and multisensor satellite data for the detection of burnt areas in Western Peloponnese, Greece. , 2004, , .		1
84	Joint use of multitemporal and multisensor remote sensing data, PCA, and GIS techniques for the detection of changes at the lower Alfios River Channel, Greece. Proceedings of SPIE, 2004, 5239, 133.	0.8	1
85	<title>Evaluating SRTM and ASTER DEM accuracy for the broader area of Sparti, Greece</title>. , 2007, , .		1
86	The role of spectral and spatial resolution in the fusion of ALI data. , 2007, , .		1
87	Spatial database for the management of "urban geology" geothematic information: the case of Drama City, Greece. , 2008, , .		1
88	Updating the 1/50.000 geological maps of IGME with remote sensing data, marine geology data, GPS measurements and GIS techniques: the case of KEA Island. Proceedings of SPIE, 2009, , .	0.8	1
89	Validation of ALOS DSM. Proceedings of SPIE, 2011, , .	0.8	1
90	Open quarry monitoring using gap-filled LANDSAT 7 ETM SLC-OFF imagery. , 2014, , .		1

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91	Lava age discrimination of Kammenes islands, Santorini volcano, Greece, using remote sensing data. Journal of Applied Remote Sensing, 2015, 9, 096014.	0.6	1
92	Quality evaluation of different fusion techniques applied on Worldview-2 data. Proceedings of SPIE, 2015, , .	0.8	1
93	Post-earthquake response based on UAV, GNSS and TLS technologies: a recent example from Elassona earthquakes in Thessaly, Central Greece. , 2021, , .		1
94	Monitoring water quantity in dam reservoir using Copernicus data.. , 2021, , .		1
95	Importance of DEM's accuracy in the activity classification of faults: the case of a fault in the Gulf of Corinth, Greece. , 2018, , .		1
96	Synergy of Copernicus optical and radar data for oil spill detection. , 2019, , .		1
97	Coastal monitoring activities in the frame of TRITON project. , 2019, , .		1
98	Environmental monitoring of Lake Distos in central Evia, Greece using multitemporal and multisensor remote sensing data. , 2004, , .		0
99	Design of a new sharpening filter. , 2004, , .		0
100	Use of multitemporal remote sensing thermal data for the detection of areas with lower temperature in Alfios River basin western Peloponnese, Greece. , 2004, , .		0
101	Monitoring of the environmental changes at Lefkas Island using remote sensing data and GIS techniques. , 2005, , .		0
102	SRTM DTM versus one created from 1/50.000 topographic maps: the case of Kos Island. , 2005, 5980, 122.		0
103	A study of the performance of a new sharpening filter. , 2005, , .		0
104	Urban geology: documentation of geo-thematic information for urban areas in Greece, the case of Nafplio, Greece. Proceedings of SPIE, 2007, , .	0.8	0
105	DEM from Cartosat data and comparison to DEM from other sources. Proceedings of SPIE, 2008, , .	0.8	0
106	The role of the correlation coefficient on the statistical behavior of a simple band ratio. , 2008, , .		0
107	Monitoring the urban expansion of Sparta and Nafplio cities using remote sensing and GIS techniques. , 2008, , .		0
108	DSM from ALOS and comparison with airphoto DSM: the case of Thessaloniki, Greece. Proceedings of SPIE, 2009, , .	0.8	0

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109	Ameliorating the spatial resolution of Hyperion hyperspectral data. Proceedings of SPIE, 2009, , .	0.8	0
110	Monitoring the urban expansion of Thrakomakedones area (North- Western Athens) due to the Olympic Games using high resolution satellite data and GIS techniques. Proceedings of SPIE, 2009, , .	0.8	0
111	Remote sensing data and GIS for hydrological studies. , 2013, , .		0
112	Comparison of different "along the track" high resolution satellite stereo-pair for DSM extraction. , 2013, , .		0
113	Evaluation of commercial available fusion algorithms for Geoeye data. , 2013, , .		0
114	Suitability of DSM derived from remote sensing data for automatic drainage extraction. Proceedings of SPIE, 2014, , .	0.8	0
115	Remote sensing and geology â€œSurveying the GEOsphereâ€. Earth Science Informatics, 2015, 8, 267-267.	1.6	0
116	Comparison of two open-source tools for diachronic shoreline monitoring: a case study from Northwestern Peloponnese. , 2021, , .		0
117	Rock-fall simulation and validation with in situ data: the case of Moira settlement in Western Greece.. , 2021, , .		0
118	Mapping the Panagopoula landslide extent fifty years after the event. , 2020, , .		0
119	Pharmacological Thromboprophylaxis after Major Abdominal Surgery: Should the Duration be Individualized?. Vascular Specialist International, 0, 38, .	0.2	0