

Rami Al-Ruzouq

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,110
citations

471061

17
h-index

433756

31
g-index

62
all docs

62
docs citations

62
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste to energy spatial suitability analysis using hybrid multi-criteria machine learning approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2613-2628.	2.7	21
2	COVID-19 Lockdown and the Impact on Mobility, Air Quality, and Utility Consumption: A Case Study from Sharjah, United Arab Emirates. <i>Sustainability</i> , 2022, 14, 1767.	1.6	10
3	Impact of Urbanisation on Surface Temperature using Satellite and Ground Observations. , 2022, , .		0
4	Effect of COVID-19 Lockdown on Traffic-related Air Pollution in Florida, USA. , 2022, , .		0
5	Integrated Archaeological Modeling Based on Geomatics Techniques and Ground-Penetrating Radar. <i>Remote Sensing</i> , 2022, 14, 1622.	1.8	3
6	A spatio-temporal framework for sustainable planning of buildings based on carbon emissions at the city scale. <i>Sustainable Cities and Society</i> , 2022, 82, 103890.	5.1	10
7	Spatial and Temporal Inversion of Land Surface Temperature along Coastal Cities in Arid Regions. <i>Remote Sensing</i> , 2022, 14, 1893.	1.8	9
8	Effects of the COVID-19 lockdown and recovery on People's mobility and air quality in the United Arab Emirates using satellite and ground observations. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 26, 100757.	0.8	5
9	Estimating earthquake peak ground acceleration and intensity using short-time Fourier and wavelet transform techniques: a case study at Odisha, India. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	1
10	Vulnerability Hotspots Mapping for Enhancing Sanitation Services Provision: A Case Study of Jordan. <i>Water (Switzerland)</i> , 2022, 14, 1689.	1.2	1
11	A Case-Based Reasoning and Random Forest Framework for Selecting Preventive Maintenance of Flexible Pavement Sections. <i>Baltic Journal of Road and Bridge Engineering</i> , 2022, 17, 107-134.	0.4	2
12	Distress-based evidential reasoning method for pavement infrastructure condition assessment and rating. <i>International Journal of Pavement Engineering</i> , 2021, 22, 455-466.	2.2	17
13	Multicriteria Spatial Analysis to Map Artificial Groundwater Recharge Zones: Northern UAE. , 2021, , .		2
14	Deep Convolutional Neural Network for Large-Scale Date Palm Tree Mapping from UAV-Based Images. <i>Remote Sensing</i> , 2021, 13, 2787.	1.8	28
15	Geospatial Multicriteria Analysis for Earthquake Risk Assessment: Case Study of Fujairah City in the UAE. <i>Journal of Sensors</i> , 2021, 2021, 1-25.	0.6	4
16	Potential Factors That Trigger the Suspension of Calcium Carbonate Sediments and Whiting in a Semi-Enclosed Gulf. <i>Remote Sensing</i> , 2021, 13, 4795.	1.8	4
17	Sustainability-informed multi-criteria decision support framework for ranking and prioritization of pavement sections. <i>Journal of Cleaner Production</i> , 2020, 244, 118755.	4.6	26
18	Sensors, Features, and Machine Learning for Oil Spill Detection and Monitoring: A Review. <i>Remote Sensing</i> , 2020, 12, 3338.	1.8	94

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19	Self-adaptive Image Segmentation Optimization for Hierarchal Object-based Classification of Drone-based Images. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012090.	0.2	1
20	Predicting incident duration using random forests. Transportmetrica A: Transport Science, 2020, 16, 1269-1293.	1.3	18
21	Machine Learning for Pavement Performance Modelling in Warm Climate Regions. Arabian Journal for Science and Engineering, 2020, 45, 4091-4109.	1.7	39
22	Mapping Heterogeneous Urban Landscapes from the Fusion of Digital Surface Model and Unmanned Aerial Vehicle-Based Images Using Adaptive Multiscale Image Segmentation and Classification. Remote Sensing, 2020, 12, 1081.	1.8	27
23	Spatio-Temporal Trend Analysis of Groundwater Levels in Sharjah, UAE. International Journal of Environmental Science and Development, 2020, 11, 9-14.	0.2	8
24	Spatio-temporal analysis of urban growth and its impact on floods in Ajman City, UAE. Environmental Monitoring and Assessment, 2019, 191, 656.	1.3	7
25	Dam Site Suitability Mapping and Analysis Using an Integrated GIS and Machine Learning Approach. Water (Switzerland), 2019, 11, 1880.	1.2	69
26	Spatiotemporal Mapping and Monitoring of Whiting in the Semi-Enclosed Gulf Using Moderate Resolution Imaging Spectroradiometer (MODIS) Time Series Images and a Generic Ensemble Tree-Based Model. Remote Sensing, 2019, 11, 1193.	1.8	9
27	Weighted Multi-attribute Framework to Identify Freeway Incident Hot Spots in a Spatiotemporal Context. Arabian Journal for Science and Engineering, 2019, 44, 8205-8223.	1.7	5
28	Photogrammetric Techniques and UAV for Drainage Pattern and Overflow Assessment in Mountainous Terrains - Hatta/UAE. , 2019, , .		3
29	Potential groundwater zone mapping based on geo-hydrological considerations and multi-criteria spatial analysis: North UAE. Catena, 2019, 173, 511-524.	2.2	36
30	Multi-scale correlation-based feature selection and random forest classification for LULC mapping from the integration of SAR and optical Sentinel images. , 2019, , .		2
31	Macro and micro geo-spatial environment consideration for landfill site selection in Sharjah, United Arab Emirates. Environmental Monitoring and Assessment, 2018, 190, 147.	1.3	18
32	Advanced mathematical models and their comparison to predict compaction properties of fine-grained soils from various physical properties. Soils and Foundations, 2018, 58, 1383-1399.	1.3	13
33	Image Segmentation Parameter Selection and Ant Colony Optimization for Date Palm Tree Detection and Mapping from Very-High-Spatial-Resolution Aerial Imagery. Remote Sensing, 2018, 10, 1413.	1.8	27
34	Effects of Land Cover Change on Urban Floods and Rainwater Harvesting: A Case Study in Sharjah, UAE. Water (Switzerland), 2018, 10, 631.	1.2	49
35	Geomatics for economic archaeological documentation and management. Applied Geomatics, 2018, 10, 341-360.	1.2	5
36	Infrastructure growth assessment of urban areas based on multi-temporal satellite images and linear features. Annals of GIS, 2017, 23, 183-201.	1.4	17

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37	Spatiotemporal Analysis and Image Registration for Studying Growth of Transportation Infrastructure in Sharjah City, UAE. , 2017, , 113-122.		0
38	Impact of urban expansion on potential flooding, storage and water harvesting in the city of Sharjah, United Arab Emirates. MATEC Web of Conferences, 2017, 120, 09007.	0.1	1
39	Archaeological Site Information Modelling and Management Based on Close-Range Photogrammetry and GIS. Conservation and Management of Archaeological Sites, 2017, 19, 156-172.	0.9	8
40	Multi-Temporal satellite imagery for infrastructure growth assessment of Dubai City, UAE. MATEC Web of Conferences, 2017, 120, 09006.	0.1	1
41	Polygon-based Technique for Image Fusion and Land Cover Monitoring; Case Study World Islands/UAE. , 2017, , .		0
42	Using 2D and 3D CVES in Archaeology at Umm Qais, Jordan. Journal of Applied Sciences, 2016, 17, 41-47.	0.1	4
43	Distinct relict fringing reefs in the northern shelf of the Gulf of Elat/Aqaba: Markers of Quaternary eustatic and climatic episodes. Sedimentology, 2015, 62, 516-540.	1.6	15
44	Quaternary tectonic evolution of the Northern Gulf of Elat/Aqaba along the Dead Sea Transform. Journal of Geophysical Research: Solid Earth, 2014, 119, 9183-9205.	1.4	20
45	Multi-Temporal Satellite Imagery for Urban Expansion Assessment at Sharjah City /UAE. IOP Conference Series: Earth and Environmental Science, 2014, 20, 012010.	0.2	2
46	Geomatics for Rehabilitation of Mining Area in Mahis, Jordan. Journal of Geographic Information System, 2014, 06, 123-134.	0.3	2
47	Monitoring of Dead Sea water surface variation using multi-temporal satellite data and GIS. Arabian Journal of Geosciences, 2013, 6, 3241-3248.	0.6	21
48	Geomatics techniques and ground penetration radar for archaeological documentation of Al-Salt castle in Jordan. Applied Geomatics, 2013, 5, 255-269.	1.2	5
49	Linear features for automatic registration and reliable change detection of multi-source imagery. Journal of Spatial Science, 2012, 57, 51-64.	1.0	13
50	Multiple source imagery and linear features for detection of urban expansion in Aqaba City, Jordan. International Journal of Remote Sensing, 2012, 33, 2563-2581.	1.3	4
51	Photogrammetry and GIS for three-dimensional modeling of the Dome of the Rock. Applied Geomatics, 2012, 4, 257-267.	1.2	4
52	Close Range Photogrammetry and Neural Network for Facial Recognition. American Journal of Applied Sciences, 2012, 9, 1542-1552.	0.1	0
53	Active tectonic morphology and submarine deformation of the northern Gulf of Eilat/Aqaba from analyses of multibeam data. Geo-Marine Letters, 2010, 30, 561-573.	0.5	47
54	Data fusion of multi-source imagery based on linear features registration. International Journal of Remote Sensing, 2010, 31, 5011-5021.	1.3	10

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55	Use of 2D Multi Electrodes Resistivity Imagining for Sinkholes Hazard Assessment along the Eastern Part of the Dead Sea, Jordan. American Journal of Environmental Sciences, 2007, 3, 230-234.	0.3	12
56	Gas transport through concrete slabs. Building and Environment, 2006, 41, 492-500.	3.0	8
57	Semi-Automatic Registration of Multi-Source Satellite Imagery with Varying Geometric Resolutions. Photogrammetric Engineering and Remote Sensing, 2005, 71, 325-332.	0.3	34
58	Photogrammetric and Lidar Data Registration Using Linear Features. Photogrammetric Engineering and Remote Sensing, 2005, 71, 699-707.	0.3	178
59	Line-based modified iterated Hough transform for automatic registration of multi-source imagery. Photogrammetric Record, 2004, 19, 5-21.	0.4	109
60	GEOSTATISTICAL SEISMIC ANALYSIS AND HAZARD ASSESSMENT; UNITED ARAB EMIRATES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 29-36.	0.2	7
61	CALIBRATED MULTI-TEMPORAL EDGE IMAGES FOR CITY INFRASTRUCTURE GROWTH ASSESSMENT AND PREDICTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 37-44.	0.2	2
62	Geomatics for Mapping of Groundwater Potential Zones in Northern Part of the United Arab Emiratis - Sharjah City. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 581-586.	0.2	13