

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 | Photogrammetric and Lidar Data Registration Using Linear Features. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 699-707. | 0.3 | 178 |
| 2 | Line-based modified iterated Hough transform for automatic registration of multi-source imagery. <i>Photogrammetric Record</i> , 2004, 19, 5-21. | 0.4 | 109 |
| 3 | Sensors, Features, and Machine Learning for Oil Spill Detection and Monitoring: A Review. <i>Remote Sensing</i> , 2020, 12, 3338. | 1.8 | 94 |
| 4 | Dam Site Suitability Mapping and Analysis Using an Integrated GIS and Machine Learning Approach. <i>Water (Switzerland)</i> , 2019, 11, 1880. | 1.2 | 69 |
| 5 | Effects of Land Cover Change on Urban Floods and Rainwater Harvesting: A Case Study in Sharjah, UAE. <i>Water (Switzerland)</i> , 2018, 10, 631. | 1.2 | 49 |
| 6 | Active tectonic morphology and submarine deformation of the northern Gulf of Eilat/Aqaba from analyses of multibeam data. <i>Geo-Marine Letters</i> , 2010, 30, 561-573. | 0.5 | 47 |
| 7 | Machine Learning for Pavement Performance Modelling in Warm Climate Regions. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4091-4109. | 1.7 | 39 |
| 8 | Potential groundwater zone mapping based on geo-hydrological considerations and multi-criteria spatial analysis: North UAE. <i>Catena</i> , 2019, 173, 511-524. | 2.2 | 36 |
| 9 | Semi-Automatic Registration of Multi-Source Satellite Imagery with Varying Geometric Resolutions. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 325-332. | 0.3 | 34 |
| 10 | 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 |
| 11 | Image Segmentation Parameter Selection and Ant Colony Optimization for Date Palm Tree Detection and Mapping from Very-High-Spatial-Resolution Aerial Imagery. <i>Remote Sensing</i> , 2018, 10, 1413. | 1.8 | 27 |
| 12 | Mapping Heterogeneous Urban Landscapes from the Fusion of Digital Surface Model and Unmanned Aerial Vehicle-Based Images Using Adaptive Multiscale Image Segmentation and Classification. <i>Remote Sensing</i> , 2020, 12, 1081. | 1.8 | 27 |
| 13 | 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 |
| 14 | Monitoring of Dead Sea water surface variation using multi-temporal satellite data and GIS. <i>Arabian Journal of Geosciences</i> , 2013, 6, 3241-3248. | 0.6 | 21 |
| 15 | 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 |
| 16 | Quaternary tectonic evolution of the Northern Gulf of Elat/Aqaba along the Dead Sea Transform. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 9183-9205. | 1.4 | 20 |
| 17 | Macro and micro geo-spatial environment consideration for landfill site selection in Sharjah, United Arab Emirates. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 147. | 1.3 | 18 |
| 18 | Predicting incident duration using random forests. <i>Transportmetrica A: Transport Science</i> , 2020, 16, 1269-1293. | 1.3 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Infrastructure growth assessment of urban areas based on multi-temporal satellite images and linear features. <i>Annals of GIS</i> , 2017, 23, 183-201. | 1.4 | 17 |
| 20 | 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 |
| 21 | Distinct relict fringing reefs in the northern shelf of the Gulf of Elat/Aqaba: Markers of Quaternary eustatic and climatic episodes. <i>Sedimentology</i> , 2015, 62, 516-540. | 1.6 | 15 |
| 22 | Linear features for automatic registration and reliable change detection of multi-source imagery. <i>Journal of Spatial Science</i> , 2012, 57, 51-64. | 1.0 | 13 |
| 23 | Advanced mathematical models and their comparison to predict compaction properties of fine-grained soils from various physical properties. <i>Soils and Foundations</i> , 2018, 58, 1383-1399. | 1.3 | 13 |
| 24 | Geomatics for Mapping of Groundwater Potential Zones in Northern Part of the United Arab Emirates - Sharjah City. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-7/W3, 581-586. | 0.2 | 13 |
| 25 | Use of 2D Multi Electrodes Resistivity Imaging for Sinkholes Hazard Assessment along the Eastern Part of the Dead Sea, Jordan. <i>American Journal of Environmental Sciences</i> , 2007, 3, 230-234. | 0.3 | 12 |
| 26 | Data fusion of multi-source imagery based on linear features registration. <i>International Journal of Remote Sensing</i> , 2010, 31, 5011-5021. | 1.3 | 10 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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. <i>Remote Sensing</i> , 2019, 11, 1193. | 1.8 | 9 |
| 30 | Spatial and Temporal Inversion of Land Surface Temperature along Coastal Cities in Arid Regions. <i>Remote Sensing</i> , 2022, 14, 1893. | 1.8 | 9 |
| 31 | Gas transport through concrete slabs. <i>Building and Environment</i> , 2006, 41, 492-500. | 3.0 | 8 |
| 32 | Archaeological Site Information Modelling and Management Based on Close-Range Photogrammetry and GIS. <i>Conservation and Management of Archaeological Sites</i> , 2017, 19, 156-172. | 0.9 | 8 |
| 33 | Spatio-Temporal Trend Analysis of Groundwater Levels in Sharjah, UAE. <i>International Journal of Environmental Science and Development</i> , 2020, 11, 9-14. | 0.2 | 8 |
| 34 | Spatio-temporal analysis of urban growth and its impact on floods in Ajman City, UAE. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 656. | 1.3 | 7 |
| 35 | GEOSTATISTICAL SEISMIC ANALYSIS AND HAZARD ASSESSMENT; UNITED ARAB EMIRATES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W4, 29-36. | 0.2 | 7 |
| 36 | Geomatics techniques and ground penetration radar for archaeological documentation of Al-Salt castle in Jordan. <i>Applied Geomatics</i> , 2013, 5, 255-269. | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Geomatics for economic archaeological documentation and management. <i>Applied Geomatics</i> , 2018, 10, 341-360. | 1.2 | 5 |
| 38 | Weighted Multi-attribute Framework to Identify Freeway Incident Hot Spots in a Spatiotemporal Context. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 8205-8223. | 1.7 | 5 |
| 39 | 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 |
| 40 | Multiple source imagery and linear features for detection of urban expansion in Aqaba City, Jordan. <i>International Journal of Remote Sensing</i> , 2012, 33, 2563-2581. | 1.3 | 4 |
| 41 | Photogrammetry and GIS for three-dimensional modeling of the Dome of the Rock. <i>Applied Geomatics</i> , 2012, 4, 257-267. | 1.2 | 4 |
| 42 | 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 |
| 43 | Using 2D and 3D CVES in Archaeology at Umm Qais, Jordan. <i>Journal of Applied Sciences</i> , 2016, 17, 41-47. | 0.1 | 4 |
| 44 | 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 |
| 45 | Photogrammetric Techniques and UAV for Drainage Pattern and Overflow Assessment in Mountainous Terrains - Hatta/UAE. , 2019, , . | | 3 |
| 46 | Integrated Archaeological Modeling Based on Geomatics Techniques and Ground-Penetrating Radar. <i>Remote Sensing</i> , 2022, 14, 1622. | 1.8 | 3 |
| 47 | Multi-Temporal Satellite Imagery for Urban Expansion Assessment at Sharjah City /UAE. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 20, 012010. | 0.2 | 2 |
| 48 | Multicriteria Spatial Analysis to Map Artificial Groundwater Recharge Zones: Northern UAE. , 2021, , . | | 2 |
| 49 | Multi-scale correlation-based feature selection and random forest classification for LULC mapping from the integration of SAR and optical Sentinel images. , 2019, , . | | 2 |
| 50 | Geomatics for Rehabilitation of Mining Area in Mahis, Jordan. <i>Journal of Geographic Information System</i> , 2014, 06, 123-134. | 0.3 | 2 |
| 51 | CALIBRATED MULTI-TEMPORAL EDGE IMAGES FOR CITY INFRASTRUCTURE GROWTH ASSESSMENT AND PREDICTION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W4, 37-44. | 0.2 | 2 |
| 52 | 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 |
| 53 | Impact of urban expansion on potential flooding, storage and water harvesting in the city of Sharjah, United Arab Emirates. <i>MATEC Web of Conferences</i> , 2017, 120, 09007. | 0.1 | 1 |
| 54 | Multi-Temporal satellite imagery for infrastructure growth assessment of Dubai City, UAE. <i>MATEC Web of Conferences</i> , 2017, 120, 09006. | 0.1 | 1 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Estimating earthquake peak ground acceleration and intensity using short-time Fourier and wavelet transform techniques: a case study at Odisha, India. Arabian Journal of Geosciences, 2022, 15, . | 0.6 | 1 |
| 57 | Vulnerability Hotspots Mapping for Enhancing Sanitation Services Provision: A Case Study of Jordan. Water (Switzerland), 2022, 14, 1689. | 1.2 | 1 |
| 58 | Close Range Photogrammetry and Neural Network for Facial Recognition. American Journal of Applied Sciences, 2012, 9, 1542-1552. | 0.1 | 0 |
| 59 | Spatiotemporal Analysis and Image Registration for Studying Growth of Transportation Infrastructure in Sharjah City, UAE. , 2017, , 113-122. | | 0 |
| 60 | Polygon-based Technique for Image Fusion and Land Cover Monitoring; Case Study World Islands/UAE. , 2017, , . | | 0 |
| 61 | Impact of Urbanisation on Surface Temperature using Satellite and Ground Observations. , 2022, , . | | 0 |
| 62 | Effect of COVID-19 Lockdown on Traffic-related Air Pollution in Florida, USA. , 2022, , . | | 0 |