

# CITATION REPORT

List of articles citing

## Detection of Flood-Prone Areas Using Digital Elevation Mode

DOI: 10.1061/(asce)he.1943-5584.0000367

Journal of Hydrologic Engineering - ASCE, 2011, 16, 781-790.

**Source:** <https://exaly.com/paper-pdf/51703721/citation-report.pdf>

**Version:** 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| #   | Paper   | IF | Citations |
|-----|---|----|-----------|
| 120 | Flood delineation from synthetic aperture radar data with the help of a priori knowledge from historical acquisitions and digital elevation models in support of near-real-time flood mapping. <b>2012,</b> |    | 4         |
| 119 | Urban planning, flood risk and public policy: The case of the Arno River, Firenze, Italy. <b>2012,</b> 34, 205-218  |    | 39        |
| 118 | Classifiers for the detection of flood-prone areas using remote sensed elevation data. <b>2012,</b> 470-471, 302-315  |    | 79        |
| 117 | Evaluation of ASTER GDEM2 in Comparison with GDEM1, SRTM DEM and Topographic-Map-Derived DEM Using Inundation Area Analysis and RTK-dGPS Data. <b>2012,</b> 4, 2419-2431                                    |    | 68        |
| 116 | Assisting Local Flood Management by Using Conceptual Spatial Distributed Hydrological Model. <b>2013,</b>   |    |           |
| 115 | FLOOD HAZARD ASSESSMENT VIA THRESHOLD BINARY CLASSIFIERS: CASE STUDY OF THE TANARO RIVER BASIN. <b>2013,</b> 62, 1-10   |    | 15        |
| 114 | COMPARING A LARGE-SCALE DEM-BASED FLOODPLAIN DELINEATION ALGORITHM WITH STANDARD FLOOD MAPS: THE TIBER RIVER BASIN CASE STUDY. <b>2013,</b> 62, 11-19   |    | 29        |
| 113 | External Validation of the ASTER GDEM2, GMTED2010 and CGIAR-CSI- SRTM v4.1 Free Access Digital Elevation Models (DEMs) in Tunisia and Algeria. <b>2014,</b> 6, 4600-4620                                    |    | 68        |
| 112 | A Statistical Model for Flood Depth Estimation in Southeast Europe. <b>2014,</b>  |    | 2         |
| 111 | Probabilistic GIS-based method for delineation of urban flooding risk hotspots. <b>2014,</b> 73, 975  |    | 55        |
| 110 | Investigation on the use of geomorphic approaches for the delineation of flood prone areas. <b>2014,</b> 517, 863-876   |    | 86        |
| 109 | A Semi-Probabilistic GIS-Based Method for Meso-Scale Flood Hazard Zonation. <b>2014,</b>  |    | 1         |
| 108 | Flood-Prone Areas Assessment Using Linear Binary Classifiers based on Morphological Indices. <b>2014,</b>   |    | 8         |
| 107 | Identification of flood-prone area using remotely sensed data - Case in Tanjung Selor City, North Kalimantan. <b>2015,</b>  |    | 0         |
| 106 | Meso-scale hazard zoning of potentially flood prone areas. <b>2015,</b> 527, 316-325  |    | 24        |
| 105 | Flood-prone areas assessment using linear binary classifiers based on flood maps obtained from 1D and 2D hydraulic models. <b>2015,</b> 79, 735-754   |    | 76        |
| 104 | Multi-Criteria Analysis Framework for Potential Flood Prone Areas Mapping. <b>2015,</b> 29, 399-418   |    | 151       |

|     |  |      |     |
|-----|--|------|-----|
| 103 | From Environment to Landscape. Reconstructing Environment Perception Using Numerical Data. <b>2016</b> , 23, 1285-1306   |      | 9   |
| 102 | Flood hazard mapping using synthesis hydraulic and geomorphic properties at watershed scale. <b>2016</b> , 30, 1889-1900   |      | 16  |
| 101 | Topography Wetness Index Application in Flood-Risk-Based Land Use Planning. <b>2016</b> , 9, 39-54   |      | 39  |
| 100 | Parameters Estimation for the New Four-Parameter Nonlinear Muskingum Model Using the Particle Swarm Optimization. <b>2016</b> , 30, 2143-2160  |      | 34  |
| 99  | DEM-Based Approaches for the Delineation of Flood-Prone Areas in an Ungauged Basin in Africa. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2016</b> , 21, 06015010                                   | 1.8  | 39  |
| 98  | Supervised and semi-supervised classifiers for the detection of flood-prone areas. <b>2017</b> , 21, 3673-3685   |      | 12  |
| 97  | Geomorphic classifiers for flood-prone areas delineation for data-scarce environments. <b>2017</b> , 102, 13-28  |      | 65  |
| 96  | A DEM-based approach for large-scale floodplain mapping in ungauged watersheds. <b>2017</b> , 550, 650-662   |      | 63  |
| 95  | A national scale flood hazard mapping methodology: The case of Greece - Protection and adaptation policy approaches. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 441-452                | 10.2 | 51  |
| 94  | Comparison between flood prone areas and geomorphic features in the Abruzzo region. <b>2017</b> ,  |      | 0   |
| 93  | Grid size effects analysis and hydrological similarity of surface runoff in flatland basins. <b>2017</b> , 62, 1736-1754   |      | 7   |
| 92  | A novel hybrid artificial intelligence approach for flood susceptibility assessment. <b>2017</b> , 95, 229-245   |      | 272 |
| 91  | Geomorphometric delineation of floodplains and terraces from objectively defined topographic thresholds. <b>2017</b> ,   |      | 1   |
| 90  | Geomorphometric delineation of floodplains and terraces from objectively defined topographic thresholds. <b>2017</b> , 5, 369-385  |      | 36  |
| 89  | A geomorphic approach to 100-year floodplain mapping for the Conterminous United States. <b>2018</b> , 561, 43-58  |      | 12  |
| 88  | A GIS tool for cost-effective delineation of flood-prone areas. <b>2018</b> , 70, 43-52  |      | 36  |
| 87  | Application of fuzzy weight of evidence and data mining techniques in construction of flood susceptibility map of Poyang County, China. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 575-588 | 10.2 | 178 |
| 86  | Flood Monitoring through Remote Sensing. <b>2018</b> ,   |      | 7   |

|    |  |         |
|----|--|---------|
| 85 | A methodology for flood susceptibility and vulnerability analysis in complex flood scenarios. <b>2018</b> , 11, S632-S645  | 42      |
| 84 | Incorporating probabilistic approach into local multi-criteria decision analysis for flood susceptibility assessment. <b>2018</b> , 32, 701-714                                | 30      |
| 83 | Delineation of flooding risk hotspots based on digital elevation model, calculated and historical flooding extents: the case of Ouagadougou. <b>2018</b> , 32, 1545-1559       | 21      |
| 82 | The Use of DEM-Based Approaches to Derive a Priori Information on Flood-Prone Areas. <b>2018</b> , 61-79   |         |
| 81 | Flood hazard mapping in Southern Brazil: a combination of flow frequency analysis and the HAND model. <b>2018</b> , 63, 87-100   | 24      |
| 80 | Flood Indices for Java Island Using Global Satellite Mapping of Precipitation. <b>2018</b> , 453, 012072   | 0       |
| 79 | Advances in Large-Scale Flood Monitoring and Detection. <b>2018</b> , 5, 49  | 1       |
| 78 | Prioritization of sub-catchments of a river basin using DEM and Fuzzy VIKOR. <b>2018</b> , 1, 1-11   | 4       |
| 77 | Improving ASTER GDEM Accuracy Using Land Use-Based Linear Regression Methods: A Case Study of Lianyungang, East China. <b>2018</b> , 7, 145                                    | 10      |
| 76 | Flood mapping under uncertainty: a case study in the Canadian prairies. <b>2018</b> , 94, 537-560  | 7       |
| 75 | Delineation of flood-prone areas using geomorphological approach in the Mekong River Basin. <b>2019</b> , 503, 79-86   | 5       |
| 74 | Development of a spatially complete floodplain map of the conterminous United States using random forest. <i>Science of the Total Environment</i> , <b>2019</b> , 647, 942-953 | 10.2 45 |
| 73 | Evaluation of Geomorphic Descriptors Thresholds for Flood Prone Areas Detection on Ephemeral Streams in the Metropolitan Area of Bari (Italy). <b>2019</b> , 239-254           | 3       |
| 72 | A paleo-hydro-geomorphological perspective on urban flood risk assessment. <b>2019</b> , 33, 3169-3183   | 3       |
| 71 | The Role of Floodplain Topography in Deriving Basin Discharge Using Passive Microwave Remote Sensing. <b>2019</b> , 55, 1707-1716  | 11      |
| 70 | A web application for hydrogeomorphic flood hazard mapping. <b>2019</b> , 118, 172-186   | 21      |
| 69 | Spatial Distribution of Soil Organic Matter Related to Microtopography and NDVI Changes in Poyang Lake, China. <b>2019</b> , 39, 789-801                                       | 3       |
| 68 | Investigating hydrogeomorphic floodplain mapping performance with varying DTM resolution and stream order. <b>2019</b> , 64, 525-538   | 25      |

|    |   |      |     |
|----|---|------|-----|
| 67 | Flash flood susceptibility modeling using an optimized fuzzy rule based feature selection technique and tree based ensemble methods. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 1038-1054                                       | 10.2 | 117 |
| 66 | A digital elevation model based method for a rapid estimation of flood inundation depth. <b>2019</b> , 12,  |      | 23  |
| 65 | A Depression-Based Index to Represent Topographic Control in Urban Pluvial Flooding. <b>2019</b> , 11, 2115   |      | 9   |
| 64 | Evaluation of Reliable Digital Elevation Model Resolution for TOPMODEL in Two Mountainous Watersheds, South Korea. <b>2019</b> , 9, 3690  |      | 3   |
| 63 | Quality of flood extents delineated by a non-hydrodynamic GIS tool. <b>2019</b> , 175, 367-387  |      | 3   |
| 62 | Towards globally customizable ecosystem service models. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 2325-2336  | 10.2 | 43  |
| 61 | Probabilistic floodplain mapping using HAND-based statistical approach. <b>2019</b> , 324, 48-61  |      | 11  |
| 60 | Detecting flood prone areas in Harris County: a GIS based analysis. <b>2020</b> , 85, 647-663   |      | 19  |
| 59 | A novel deep learning neural network approach for predicting flash flood susceptibility: A case study at a high frequency tropical storm area. <i>Science of the Total Environment</i> , <b>2020</b> , 701, 134413                                | 10.2 | 120 |
| 58 | Application of two fuzzy models using knowledge-based and linear aggregation approaches to identifying flooding-prone areas in Tehran. <b>2020</b> , 100, 363-385   |      | 2   |
| 57 | Analyzing investments in flood protection structures: A real options approach. <b>2020</b> , 43, 101377   |      | 5   |
| 56 | A GIS method to identify flat surfaces and restore relict fluvial long-profiles from terrace remnants gives new clues on how large basins respond to endorheic/exorheic transitions (Duero basin, Iberian Peninsula). <b>2020</b> , 45, 1013-1027 |      | 2   |
| 55 | Estimating Flood Characteristics Using Geomorphologic Flood Index with Regards to Rainfall Intensity-Duration-Frequency-Area Curves and CADDIES-2D Model in Three Iranian Basins. <b>2020</b> , 12, 7371  |      | 1   |
| 54 | Biophysical and economic assessment of four ecosystem services for natural capital accounting in Italy. <b>2020</b> , 46, 101207  |      | 16  |
| 53 | Large Scale Flood Risk Mapping in Data Scarce Environments: An Application for Romania. <b>2020</b> , 12, 1834  |      | 8   |
| 52 | Flooding and land use change in Jambi Province, Sumatra: integrating local knowledge and scientific inquiry. <b>2020</b> , 25,  |      | 8   |
| 51 | Detection of Flood Prone Areas by Flood Mapping of SAR Imagery. <b>2020</b> ,   |      | 1   |
| 50 | Delineation of flood-prone areas using modified topographic index for a river basin. <b>2020</b> , 3, 58-68   |      |     |

|    |  |    |
|----|--|----|
| 49 | GIS-based comparative assessment of flood susceptibility mapping using hybrid multi-criteria decision-making approach, naïve Bayes tree, bivariate statistics and logistic regression: A case of Topľ basin, Slovakia. <b>2020</b> , 117, 106620 | 80 |
| 48 | Terra, Silva et Paludes. Assessing the Role of Alluvial Geomorphology for Late-Holocene Settlement Strategies (Po Plain IN Italy) Through Point Pattern Analysis. <b>2020</b> , 1-15   | 11 |
| 47 | Identifying floods and flood-affected paddy rice fields in Bangladesh based on Sentinel-1 imagery and Google Earth Engine. <b>2020</b> , 166, 278-293  | 34 |
| 46 | Geographic information system (GIS)-Based multicriteria analysis of flooding hazard and risk in Ambo Town and its watershed, West shoa zone, oromia regional State, Ethiopia. <b>2020</b> , 27, 100659   | 25 |
| 45 | AHP-GIS analysis for flood hazard assessment of the communities nearby the world heritage site on Ayutthaya Island, Thailand. <b>2020</b> , 48, 101612   | 35 |
| 44 | An integrated approach of GIS and hybrid intelligence techniques applied for flood risk modeling. <b>2021</b> , 64, 485-516  | 9  |
| 43 | Flash flood susceptibility mapping using a novel deep learning model based on deep belief network, back propagation and genetic algorithm. <b>2021</b> , 12, 101100  | 27 |
| 42 | Utilizing Geospatial Tools to Assign Unique Identifiers to Water Bodies in a Low-Income Country. <b>2021</b> , 13, 236-253   |    |
| 41 | A GIS-based Approach for Flood Vulnerability Assessment in Hoa Vang District, Danang City, Vietnam. <b>2021</b> , 652, 012003  | 2  |
| 40 | A Geomorphic Approach for Identifying Flash Flood Potential Areas in the East Rapti River Basin of Nepal. <b>2021</b> , 10, 247  | 4  |
| 39 | An Integrative Conceptualization of Floodplain Storage. <b>2021</b> , 59, e2020RG000724  | 5  |
| 38 | 3D GIS Platform for Flood Wargame: A Case Study of New Taipei City, Taiwan. <b>2021</b> , 13, 2211   | 0  |
| 37 | Topographical Characteristics of Frequent Inland Water Flooding Areas in Tangerang City, Indonesia. <b>2021</b> , 3,   | 0  |
| 36 | GIS-based flood susceptibility mapping of the lower Bagmati basin in Bihar, using Shannon's entropy model. 1   | 1  |
| 35 | Notes on the Performances of Morphological Descriptors for the Evaluation of Flood Susceptibility in Apulian Ephemeral Streams. <b>2021</b> , 78-88  |    |
| 34 | Flood-Prone Areas Due to Heavy Rains and Sea Level Rise in the Municipality of Maputo. <b>2014</b> , 171-185   | 1  |
| 33 | Vulnerability of Built Environment to Flooding in African Cities. <b>2015</b> , 77-106   | 5  |
| 32 | The Use of Geomorphological Descriptors and Landsat-8 Spectral Indices Data for Flood Areas Evaluation: A Case Study of Lato River Basin. <b>2017</b> , 30-44  | 7  |

|    |   |      |    |
|----|---|------|----|
| 31 | Flood Susceptibility Evaluation on Ephemeral Streams of Southern Italy: A Case Study of Lama Balice. <b>2018</b> , 334-348  |      | 5  |
| 30 | Multi-Criteria Decision Making for Vulnerability Mapping of Flood Hazard: A Case Study of Pune City. <b>2018</b> , 2, 41-52   |      | 4  |
| 29 | Multi-source global wetland maps combining surface water imagery and groundwater constraints. <b>2019</b> , 11, 189-220   |      | 31 |
| 28 | Identifying the efficacy of tidal waves on flood assessment study in a case of coastal urban flooding. <b>2021</b> , 14, 1  |      | 7  |
| 27 | Regional prioritisation of flood risk in mountainous areas.   |      |    |
| 26 | Mathematical Models Used for Hydrological Floodplain Modeling. <b>2016</b> , 69-100   |      |    |
| 25 | Mathematical Models Used for Hydrological Floodplain Modeling. 240-283  |      |    |
| 24 | Identification of flood-prone areas with GeoFlood : Lessons learned from the Tiber River case study.  |      | 0  |
| 23 | Identifying the effect of monsoon floods on vegetation and land surface temperature by using Google Earth Engine. <b>2022</b> , 43, 101162  |      | 0  |
| 22 | Evaluating the application of metaheuristic approaches for flood simulation using GIS: A case study of Baitarani river Basin, India. <b>2021</b> ,  |      | 1  |
| 21 | Real-time coastal flood hazard assessment using DEM-based hydrogeomorphic classifiers. <i>Natural Hazards and Earth System Sciences</i> , <b>2022</b> , 22, 1419-1435   | 3.9  | 2  |
| 20 | Machine-learning blends of geomorphic descriptors: value and limitations for flood hazard assessment across large floodplains. <i>Natural Hazards and Earth System Sciences</i> , <b>2022</b> , 22, 1469-1486                 | 3.9  | 1  |
| 19 | Advanced machine learning algorithms for flood susceptibility modeling - performance comparison: Red Sea, Egypt.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1                                       | 5.1  | 0  |
| 18 | Urban flood vulnerability assessment in a densely urbanized city using multi-factor analysis and machine learning algorithms. <i>Theoretical and Applied Climatology</i> , 1  | 3    | 0  |
| 17 | Topographic Indices and Two-dimensional Hydrodynamic Modeling for Flood Hazard Mapping in a Data-scarce Plain Area: A case study of Oued-Laou Catchment (Northern of Morocco). <i>Geocarto International</i> , 1-18           | 2.7  | 0  |
| 16 | Enhancing disaster risk resilience using greenspace in urbanising Quito, Ecuador. <i>Natural Hazards and Earth System Sciences</i> , <b>2022</b> , 22, 1699-1721  | 3.9  | 0  |
| 15 | Probabilistic hydro-geomorphological hazard assessment based on UAV-derived high-resolution topographic data: The case of Basento river (Southern Italy). <i>Science of the Total Environment</i> , <b>2022</b> , 842, 156736 | 10.2 | 1  |
| 14 | Flood Risk Estimation and Mapping: Present Status and Future Challenges. <b>2022</b> , 169-189  |      |    |

|    |   |   |
|----|---|---|
| 13 | Flood vulnerability assessment at the local scale using remote sensing and GIS techniques: a case study in Da Nang City, Vietnam.   | 0 |
| 12 | A novel flood risk mapping approach with machine learning considering geomorphic and socio-economic vulnerability dimensions. <b>2022</b> , 158002  | 0 |
| 11 | Assessment of the Conditioning Factor for Flash Flood Susceptibility Potential Based on Bivariate Statistical Approach in the Wonoboyo Watershed in East Java, Indonesia. <b>2023</b> , 553-573 | 0 |
| 10 | How regulating and cultural services of ecosystems have changed over time in Italy. 7,  | 0 |
| 9  | RESCUE: A geomorphology-based, hydrologic-hydraulic model for large-scale inundation mapping.   | 0 |
| 8  | New Perspectives of Earth Surface Remote Detection for Hydro-Geomorphological Monitoring of Rivers. <b>2022</b> , 14, 14093   | 0 |
| 7  | Satellite flood detection integrating hydrogeomorphic and spectral indices. <b>2022</b> , 59, 1997-2018   | 2 |
| 6  | Predicting and analyzing flood susceptibility using boosting-based ensemble machine learning algorithms with SHapley Additive exPlanations.   | 1 |
| 5  | Exploratory regression modeling for flood susceptibility mapping in the GIS environment. <b>2023</b> , 13,  | 0 |
| 4  | A Comparative Flood Susceptibility Assessment in a Norwegian Coastal City Using Feature Selection Methods and Machine Learning Algorithms. <b>2023</b> , 591-618                                | 0 |
| 3  | CORAFİBİGİSİSTEMİTABANLI ANALİTİK HİPERARŞİBECİKULLANILARAK TARİH TEHLİKE HARİTALAMASI. <b>2022</b> , 10, 1155-1173   | 0 |
| 2  | Evaluating topography-based approaches for fast floodplain mapping in data-scarce complex-terrain regions: Findings from a Himalayan basin. <b>2023</b> , 620, 129309                           | 0 |
| 1  | Flood Inundation Modelling in Data-Sparse Flatlands: Challenges and Prospects. <b>2023</b> , 19-35  | 0 |