

Faisal Hossain

List of Publications by Year in descending order

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Version: 2024-02-01

132
papers

3,713
citations

126708

33
h-index

161609

54
g-index

139
all docs

139
docs citations

139
times ranked

4482
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Land use/land cover changes and climate: modeling analysis and observational evidence. Wiley Interdisciplinary Reviews: Climate Change, 2011, 2, 828-850. | 3.6 | 585 |
| 2 | A first approach to global runoff simulation using satellite rainfall estimation. Water Resources Research, 2007, 43, . | 1.7 | 150 |
| 3 | The influence of large dams on surrounding climate and precipitation patterns. Geophysical Research Letters, 2011, 38, n/a-n/a. | 1.5 | 133 |
| 4 | Characterization of complex fluvial systems using remote sensing of spatial and temporal water level variations in the Amazon, Congo, and Brahmaputra Rivers. Earth Surface Processes and Landforms, 2010, 35, 294-304. | 1.2 | 119 |
| 5 | Understanding the Scale Relationships of Uncertainty Propagation of Satellite Rainfall through a Distributed Hydrologic Model. Journal of Hydrometeorology, 2010, 11, 520-532. | 0.7 | 98 |
| 6 | Satellite-based Flood Modeling Using TRMM-based Rainfall Products. Sensors, 2007, 7, 3416-3427. | 2.1 | 76 |
| 7 | Understanding the impact of dam-triggered land use/land cover change on the modification of extreme precipitation. Water Resources Research, 2012, 48, . | 1.7 | 71 |
| 8 | Proof of Concept of an Altimeter-Based River Forecasting System for Transboundary Flow Inside Bangladesh. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 587-601. | 2.3 | 71 |
| 9 | A review of applications of satellite earth observation data for global societal benefit and stewardship of planet earth. Space Policy, 2016, 36, 46-54. | 0.8 | 63 |
| 10 | Comparison of ordinary kriging and artificial neural network for spatial mapping of arsenic contamination of groundwater. Stochastic Environmental Research and Risk Assessment, 2010, 24, 1-7. | 1.9 | 57 |
| 11 | Assessment of the weather research and forecasting model generalized parameterization schemes for advancement of precipitation forecasting in monsoon-driven river basins. Journal of Advances in Modeling Earth Systems, 2016, 8, 1210-1228. | 1.3 | 54 |
| 12 | Climate Feedback-Based Provisions for Dam Design, Operations, and Water Management in the 21st Century. Journal of Hydrologic Engineering - ASCE, 2012, 17, 837-850. | 0.8 | 53 |
| 13 | Satellite Precipitation Data-Driven Hydrological Modeling for Water Resources Management in the Ganges, Brahmaputra, and Meghna Basins. Earth Interactions, 2014, 18, 1-25. | 0.7 | 53 |
| 14 | Flood prediction in the future: Recognizing hydrologic issues in anticipation of the Global Precipitation Measurement mission. Water Resources Research, 2006, 42, . | 1.7 | 52 |
| 15 | Spatiotemporal interpolation of discharge across a river network by using synthetic SWOT satellite data. Water Resources Research, 2015, 51, 430-449. | 1.7 | 52 |
| 16 | Inter-comparison study of water level estimates derived from hydrodynamic hydrologic model and satellite altimetry for a complex deltaic environment. Remote Sensing of Environment, 2011, 115, 1522-1531. | 4.6 | 51 |
| 17 | A generic data-driven technique for forecasting of reservoir inflow: Application for hydropower maximization. Environmental Modelling and Software, 2019, 119, 147-165. | 1.9 | 51 |
| 18 | Inferring reservoir operating patterns across the Mekong Basin using only space observations. Water Resources Research, 2017, 53, 3791-3810. | 1.7 | 50 |

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|----|--|-----|-----------|
| 19 | Benchmarking wide swath altimetry-based river discharge estimation algorithms for the Ganges river system. <i>Water Resources Research</i> , 2016, 52, 2439-2461. | 1.7 | 46 |
| 20 | Spatial Assessment of Water Quality in Peripheral Rivers of Dhaka City for Optimal Relocation of Water Intake Point. <i>Water Resources Management</i> , 2008, 22, 377-391. | 1.9 | 44 |
| 21 | Tracing hydrologic model simulation error as a function of satellite rainfall estimation bias components and land use and land cover conditions. <i>Water Resources Research</i> , 2012, 48, . | 1.7 | 44 |
| 22 | Assessing the Potential of the Surface Water and Ocean Topography Mission for Reservoir Monitoring in the Mekong River Basin. <i>Water Resources Research</i> , 2019, 55, 444-461. | 1.7 | 44 |
| 23 | Maximizing energy production from hydropower dams using short-term weather forecasts. <i>Renewable Energy</i> , 2020, 146, 1560-1577. | 4.3 | 44 |
| 24 | Improving flood forecasting in international river basins. <i>Eos</i> , 2006, 87, 49. | 0.1 | 43 |
| 25 | Satellite Gravimetric Estimation of Groundwater Storage Variations Over Indus Basin in Pakistan. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3524-3534. | 2.3 | 43 |
| 26 | Automated Generation of Lakes and Reservoirs Water Elevation Changes From Satellite Radar Altimetry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 3465-3481. | 2.3 | 42 |
| 27 | Have Large Dams Altered Extreme Precipitation Patterns?. <i>Eos</i> , 2009, 90, 453-454. | 0.1 | 39 |
| 28 | Global Estimates of River Flow Wave Travel Times and Implications for Low-Latency Satellite Data. <i>Geophysical Research Letters</i> , 2018, 45, 7551-7560. | 1.5 | 39 |
| 29 | Integrated groundwater resource management in Indus Basin using satellite gravimetry and physical modeling tools. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 128. | 1.3 | 37 |
| 30 | The emerging role of satellite rainfall data in improving the hydro-political situation of flood monitoring in the under-developed regions of the world. <i>Natural Hazards</i> , 2007, 43, 199-210. | 1.6 | 36 |
| 31 | Dam safety effects due to human alteration of extreme precipitation. <i>Water Resources Research</i> , 2010, 46, . | 1.7 | 36 |
| 32 | Impact of Artificial Reservoir Size and Land Use/Land Cover Patterns on Probable Maximum Precipitation and Flood: Case of Folsom Dam on the American River. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1180-1190. | 0.8 | 36 |
| 33 | Probable Maximum Precipitation in the U.S. Pacific Northwest in a Changing Climate. <i>Water Resources Research</i> , 2017, 53, 9600-9622. | 1.7 | 35 |
| 34 | Understanding Reservoir Operating Rules in the Transboundary Nile River Basin Using Macroscale Hydrologic Modeling with Satellite Measurements. <i>Journal of Hydrometeorology</i> , 2019, 20, 2253-2269. | 0.7 | 35 |
| 35 | Understanding satellite-based monthly-to-seasonal reservoir outflow estimation as a function of hydrologic controls. <i>Water Resources Research</i> , 2016, 52, 4095-4115. | 1.7 | 34 |
| 36 | Spatial pattern of arsenic contamination in shallow wells of Bangladesh: regional geology and nonlinear dynamics. <i>Stochastic Environmental Research and Risk Assessment</i> , 2006, 20, 66-76. | 1.9 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | A Fusion Approach for Water Area Classification Using Visible, Near Infrared and Synthetic Aperture Radar for South Asian Conditions. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2471-2480. | 2.7 | 32 |
| 38 | How Much Can A Priori Hydrologic Model Predictability Help in Optimal Merging of Satellite Precipitation Products?. Journal of Hydrometeorology, 2011, 12, 1287-1298. | 0.7 | 31 |
| 39 | A Promising Radar Altimetry Satellite System for Operational Flood Forecasting in Flood-Prone Bangladesh. IEEE Geoscience and Remote Sensing Magazine, 2014, 2, 27-36. | 4.9 | 31 |
| 40 | Crossing the "Valley of Death": Lessons Learned from Implementing an Operational Satellite-Based Flood Forecasting System. Bulletin of the American Meteorological Society, 2014, 95, 1201-1207. | 1.7 | 31 |
| 41 | Impacts of Postdam Land Use/Land Cover Changes on Modification of Extreme Precipitation in Contrasting Hydroclimate and Terrain Features. Journal of Hydrometeorology, 2014, 15, 777-800. | 0.7 | 31 |
| 42 | Advancing river modelling in ungauged basins using satellite remote sensing: the case of the Ganges-Brahmaputra-Meghna basin. International Journal of River Basin Management, 2016, 14, 103-117. | 1.5 | 31 |
| 43 | Geostatistically based management of arsenic contaminated ground water in shallow wells of Bangladesh. Water Resources Management, 2007, 21, 1245-1261. | 1.9 | 29 |
| 44 | A model-aided satellite-altimetry-based flood forecasting system for the Mekong River. Environmental Modelling and Software, 2019, 112, 112-127. | 1.9 | 28 |
| 45 | Empirical Relationship between Large Dams and the Alteration in Extreme Precipitation. Natural Hazards Review, 2010, 11, 97-101. | 0.8 | 27 |
| 46 | Quality assessment of freshwaters from a coastal city of southern Bangladesh: Irrigation feasibility and preliminary health risks appraisal. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100524. | 1.7 | 26 |
| 47 | Investigating the Optimal Configuration of Conceptual Hydrologic Models for Satellite-Rainfall-Based Flood Prediction. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 532-536. | 1.4 | 25 |
| 48 | Water sustainability of large cities in the United States from the perspectives of population increase, anthropogenic activities, and climate change. Earth's Future, 2016, 4, 603-617. | 2.4 | 24 |
| 49 | Towards a global Reservoir Assessment Tool for predicting hydrologic impacts and operating patterns of existing and planned reservoirs. Environmental Modelling and Software, 2021, 140, 105043. | 1.9 | 24 |
| 50 | Short note: A review of state of the art on treaties in relation to management of transboundary flooding in international river basins and the Global Precipitation Measurement mission. Water Policy, 2010, 12, 635-640. | 0.7 | 20 |
| 51 | Investigating the mesoscale impact of artificial reservoirs on frequency of rain during growing season. Water Resources Research, 2012, 48, . | 1.7 | 19 |
| 52 | Hindcast and forecast of daily inundation extents using satellite SAR and altimetry data with rotated empirical orthogonal function analysis: Case study in Tonle Sap Lake Floodplain. Remote Sensing of Environment, 2020, 241, 111732. | 4.6 | 19 |
| 53 | Is correlation dimension a reliable proxy for the number of dominant influencing variables for modeling risk of arsenic contamination in groundwater?. Stochastic Environmental Research and Risk Assessment, 2008, 22, 47-55. | 1.9 | 18 |
| 54 | Hydropower's hidden transformation of rivers in the Mekong. Environmental Research Letters, 2020, 15, 044017. | 2.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | A blueprint for adapting high Aswan dam operation in Egypt to challenges of filling and operation of the Grand Ethiopian Renaissance dam. <i>Journal of Hydrology</i> , 2021, 598, 125708. | 2.3 | 18 |
| 56 | Radial basis function neural network for hydrologic inversion: an appraisal with classical and spatio-temporal geostatistical techniques in the context of site characterization. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009, 23, 933-945. | 1.9 | 17 |
| 57 | Revisiting extreme storms of the past 100 years for future safety of large water management infrastructures. <i>Earth's Future</i> , 2016, 4, 306-322. | 2.4 | 17 |
| 58 | Understanding Future Safety of Dams in a Changing Climate. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1395-1404. | 1.7 | 17 |
| 59 | Using a multi-dimensional satellite rainfall error model to characterize uncertainty in soil moisture fields simulated by an offline land surface model. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 16 |
| 60 | Towards Formulation of a Space-borne System for Early Warning of Floods: Can Cost-Effectiveness Outweigh Prediction Uncertainty?. <i>Natural Hazards</i> , 2006, 37, 263-276. | 1.6 | 16 |
| 61 | The climate-water-health nexus in emerging megacities. <i>Eos</i> , 2012, 93, 353-354. | 0.1 | 16 |
| 62 | Hydrological model using ground- and satellite-based data for river flow simulation towards supporting water resource management in the Red River Basin, Vietnam. <i>Journal of Environmental Management</i> , 2018, 217, 346-355. | 3.8 | 16 |
| 63 | 100 Years of Progress in Hydrology. <i>Meteorological Monographs</i> , 2018, 59, 25.1-25.51. | 5.0 | 16 |
| 64 | Atmospheric River-Induced Precipitation and Snowpack during the Western United States Cold Season. <i>Journal of Hydrometeorology</i> , 2019, 20, 613-630. | 0.7 | 16 |
| 65 | Forecast-informed hydropower optimization at long and short-time scales for a multiple dam network. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, . | 0.8 | 16 |
| 66 | Investigating Spatial Downscaling of Satellite Rainfall Data for Streamflow Simulation in a Medium-Sized Basin. <i>Journal of Hydrometeorology</i> , 2009, 10, 1063-1079. | 0.7 | 15 |
| 67 | Making Satellite Precipitation Data Work for the Developing World. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2014, 2, 24-36. | 4.9 | 15 |
| 68 | Feasibility of managed domestic rainwater harvesting in South Asian rural areas using remote sensing. <i>Resources, Conservation and Recycling</i> , 2017, 125, 157-168. | 5.3 | 15 |
| 69 | An open-book watershed model for prototyping space-borne flood monitoring systems in International River Basins. <i>Environmental Modelling and Software</i> , 2007, 22, 1720-1731. | 1.9 | 14 |
| 70 | Are General Circulation Models Ready for Operational Streamflow Forecasting for Water Management in the Ganges and Brahmaputra River Basins?. <i>Journal of Hydrometeorology</i> , 2016, 17, 195-210. | 0.7 | 14 |
| 71 | Predicting Water Availability of the Regulated Mekong River Basin Using Satellite Observations and a Physical Model. <i>Asian Journal of Water, Environment and Pollution</i> , 2017, 14, 39-48. | 0.4 | 14 |
| 72 | Understanding Model-Based Probable Maximum Precipitation Estimation as a Function of Location and Season from Atmospheric Reanalysis. <i>Journal of Hydrometeorology</i> , 2018, 19, 459-475. | 0.7 | 14 |

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|----|---|-----|-----------|
| 73 | A highly sensitive and selective spectrofluorimetric method for the determination of manganese at nanotrace levels in some real, environmental, biological, soil, food and pharmaceutical samples using 2-(1±-pyridyl)-thioquinaldinamide. RSC Advances, 2018, 8, 5509-5522. | 1.7 | 14 |
| 74 | An altimeter height extraction technique for dynamically changing rivers of South and South-East Asia. Remote Sensing of Environment, 2019, 221, 24-37. | 4.6 | 14 |
| 75 | Generating Proxy SWOT Water Surface Elevations Using WRF-Hydro and the CNES SWOT Hydrology Simulator. Water Resources Research, 2020, 56, e2020WR027464. | 1.7 | 14 |
| 76 | The Value of Long-Term Streamflow Forecasts in Adaptive Reservoir Operation: The Case of the High Aswan Dam in the Transboundary Nile River Basin. Journal of Hydrometeorology, 2021, 22, 1099-1115. | 0.7 | 13 |
| 77 | Understanding the Geophysical Sources of Uncertainty for Satellite Interferometric (SRTM)-Based Discharge Estimation in River Deltas: The Case for Bangladesh. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 523-538. | 2.3 | 12 |
| 78 | A Model-Based Assessment of Potential Impacts of Man-Made Reservoirs on Precipitation. Earth Interactions, 2017, 21, 1-31. | 0.7 | 12 |
| 79 | Improving operational flood forecasting in monsoon climates with bias-corrected quantitative forecasting of precipitation. International Journal of River Basin Management, 2019, 17, 411-421. | 1.5 | 12 |
| 80 | Estimating Impacts of Dam Development and Landscape Changes on Suspended Sediment Concentrations in the Mekong River Basin's 3S Tributaries. Journal of Hydrologic Engineering - ASCE, 2020, 25, . | 0.8 | 12 |
| 81 | Satellite observations reveal 13 years of reservoir filling strategies, operating rules, and hydrological alterations in the Upper Mekong River basin. Hydrology and Earth System Sciences, 2022, 26, 2345-2364. | 1.9 | 12 |
| 82 | Statistical characterization of arsenic contamination in shallow tube wells of western Bangladesh. Hydrological Processes, 2006, 20, 1497-1510. | 1.1 | 11 |
| 83 | Role of Land-Water Classification and Manning's Roughness Parameter in Space-Borne Estimation of Discharge for Braided Rivers: A Case Study of the Brahmaputra River in Bangladesh. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 395-403. | 2.3 | 11 |
| 84 | Recent warming of Tonle Sap Lake, Cambodia: Implications for one of the world's most productive inland fisheries. Lakes and Reservoirs: Research and Management, 2020, 25, 133-142. | 0.6 | 11 |
| 85 | Monitoring River Basin Development and Variation in Water Resources in Transboundary Imjin River in North and South Korea Using Remote Sensing. Remote Sensing, 2020, 12, 195. | 1.8 | 11 |
| 86 | Predicting the Likely Thermal Impact of Current and Future Dams Around the World. Earth's Future, 2021, 9, e2020EF001916. | 2.4 | 11 |
| 87 | Toward a Methodology to Investigate the Downstream Flood Hazards on the American River due to Changes in Probable Maximum Flood due to Effects of Artificial Reservoir Size and Land-Use/Land-Cover Patterns. Earth Interactions, 2013, 17, 1-24. | 0.7 | 10 |
| 88 | Tidal river management in Bangladesh. Nature Climate Change, 2015, 5, 492-492. | 8.1 | 10 |
| 89 | A web-based decision support system for smart dam operations using weather forecasts. Journal of Hydroinformatics, 2019, 21, 687-707. | 1.1 | 10 |
| 90 | Stakeholder-driven development of a cloud-based, satellite remote sensing tool to monitor suspended sediment concentrations in major Bangladesh rivers. Environmental Modelling and Software, 2020, 133, 104843. | 1.9 | 10 |

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|-----|--|-----|-----------|
| 91 | Data for All: Using Satellite Observations for Social Good. <i>Eos</i> , 2015, 96, . | 0.1 | 10 |
| 92 | Engaging the User Community for Advancing Societal Applications of the Surface Water Ocean Topography Mission. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, ES285-ES290. | 1.7 | 9 |
| 93 | Monitoring Variations in Lake Water Storage with Satellite Imagery and Citizen Science. <i>Water (Switzerland)</i> , 2021, 13, 949. | 1.2 | 9 |
| 94 | A computationally efficient flash flood early warning system for a mountainous and transboundary river basin in Bangladesh. <i>Journal of Hydroinformatics</i> , 2020, 22, 1672-1692. | 1.1 | 9 |
| 95 | Transfer of satellite rainfall error from gaged to ungaged locations: How realistic will it be for the Global Precipitation Mission?. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 8 |
| 96 | A scalable open-source web-analytic framework to improve satellite-based operational water management in developing countries. <i>Journal of Hydroinformatics</i> , 2018, 20, 49-68. | 1.1 | 8 |
| 97 | Case Study: Rapid Urban Inundation Forecasting Technique Based on Quantitative Precipitation Forecast for Houston and Harris County Flood Control District. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, . | 0.8 | 8 |
| 98 | Evaluating the hydropower potential of the Grand Ethiopian Renaissance Dam. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, . | 0.8 | 8 |
| 99 | Accelerating Applications for Planned NASA Satellite Missions: A New Paradigm of Virtual Hackathons during a Pandemic and in the Post-Pandemic Era. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1544-E1554. | 1.7 | 8 |
| 100 | Success Stories of Satellite Radar Altimeter Applications. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E33-E53. | 1.7 | 8 |
| 101 | A Forensic Look at Groundwater Arsenic Contamination in Bangladesh. <i>Environmental Forensics</i> , 2008, 9, 364-374. | 1.3 | 7 |
| 102 | Review of Approaches and Recommendations for Improving Resilience of Water Management Infrastructure: The Case for Large Dams. <i>Journal of Infrastructure Systems</i> , 2017, 23, . | 1.0 | 7 |
| 103 | Evaluating Conveyance-Based DEM Correction Technique on NED and SRTM DEMs for Flood Impact Assessment of the 2010 Cumberland River Flood. <i>Geosciences (Switzerland)</i> , 2017, 7, 132. | 1.0 | 7 |
| 104 | Sensitivity of initial condition and cloud microphysics to the forecasting of monsoon rainfall in South Asia. <i>Meteorological Applications</i> , 2018, 25, 493-509. | 0.9 | 7 |
| 105 | Understanding Volumetric Water Storage in Monsoonal Wetlands of Northeastern Bangladesh. <i>Water Resources Research</i> , 2020, 56, e2020WR027989. | 1.7 | 7 |
| 106 | What Do Experienced Water Managers Think of Water Resources of Our Nation and Its Management Infrastructure?. <i>PLoS ONE</i> , 2015, 10, e0142073. | 1.1 | 7 |
| 107 | Making Sense of the Water Resources That Will Be Available for Future use. <i>Eos</i> , 2011, 92, 144-145. | 0.1 | 6 |
| 108 | Maximizing Hydropower Generation with Observations and Numerical Modeling of the Atmosphere. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, . | 0.8 | 6 |

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|-----|--|-----|-----------|
| 109 | Viscometric Studies of Molecular Interactions in Binary Liquid Mixtures of Isomeric Xylenes with Methanol. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 1370-1381. | 1.0 | 6 |
| 110 | Orthophosphate Quantification in Water Utilizing an Enzymatic Reaction and a Commercial Glucometer Test Strip. <i>Analytical Chemistry</i> , 2022, 94, 2056-2062. | 3.2 | 6 |
| 111 | Assessment of a Probabilistic Scheme for Flood Prediction. <i>Journal of Hydrologic Engineering - ASCE</i> , 2005, 10, 141-150. | 0.8 | 5 |
| 112 | Satellites as the Panacea to Transboundary Limitations for Longer Term Flood Forecasting?. <i>Water International</i> , 2007, 32, 376-379. | 0.4 | 5 |
| 113 | Study of the Antioxidative Properties of Several Amino Acid-Type Surfactants and their Synergistic Effect in Mixed Micelle. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 99-108. | 1.0 | 5 |
| 114 | Environmental and Social Risks to Biodiversity and Ecosystem Health—A Bottom-Up, Resource-Focused Assessment Framework. <i>Earth</i> , 2021, 2, 440-456. | 0.9 | 5 |
| 115 | Establishing a Numerical Modeling Framework for Hydrologic Engineering Analyses of Extreme Storm Events. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, . | 0.8 | 4 |
| 116 | Study of Antioxidative Properties of Some Mono Amino-Acid-Type and Dipeptide-Type Surfactants. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 733-744. | 1.0 | 4 |
| 117 | A Rapid Spectrofluorometric Method for the Determination of Aluminum at Nano-trace Levels in Some Real, Environmental, Biological, Hemodialysis, Food, Pharmaceutical, and Soil Samples Using 2,3,4,5,7-Pentahydroxyflavone. <i>Analytical Sciences</i> , 2020, 36, 813-819. | 0.8 | 4 |
| 118 | Integrating Gravimetry Data With Thermal Infra-Red Data From Satellites to Improve Efficiency of Operational Irrigation Advisory in South Asia. <i>Water Resources Research</i> , 2021, 57, e2020WR028654. | 1.7 | 4 |
| 119 | Solubilization of Genistein in Phospholipid Vesicles and Their Atioxidant Capacity. <i>Journal of Oleo Science</i> , 2019, 68, 61-66. | 0.6 | 3 |
| 120 | A computer-aided visualization tool for stochastic theory education in water resources engineering. <i>Computer Applications in Engineering Education</i> , 2009, 17, 398-411. | 2.2 | 2 |
| 121 | Introduction to the Featured Series on Satellites and Transboundary Water: Emerging Ideas ¹ . <i>Journal of the American Water Resources Association</i> , 2009, 45, 551-552. | 1.0 | 2 |
| 122 | An open-source software for interactive visualization using C++ and OpenGL: Applications to stochastic theory education in water resources engineering. <i>Computer Applications in Engineering Education</i> , 2011, 19, 48-55. | 2.2 | 2 |
| 123 | Realizing ecosystem-safe hydropower from dams. <i>Renewables: Wind, Water, and Solar</i> , 2020, 7, 2. | 2.5 | 2 |
| 124 | Conclusion to the Featured Series on Satellites and Transboundary Water: Emerging Ideas ¹ . <i>Journal of the American Water Resources Association</i> , 2010, 46, 663-664. | 1.0 | 1 |
| 125 | Do Satellite Data Portals Today Reach Out to Diverse End Users Around the World?. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1633-1634. | 1.7 | 1 |
| 126 | Viscometric studies of molecular interactions in binary mixtures of ethylbenzene with (C4 to C8) Alkan-1-ols. <i>Journal of Molecular Liquids</i> , 2021, 337, 116457. | 2.3 | 1 |

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|-----|---|-----|-----------|
| 127 | Developing a Baseline Characterization of River Bathymetry and Time-Varying Height for Chindwin River in Myanmar Using SRTM and Landsat Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, . | 0.8 | 1 |
| 128 | Effect of Hydrophobic Chain Length on the Antioxidation Properties of Alanyl Tyrosine Dipeptide-type Surfactants. <i>Journal of Oleo Science</i> , 2022, 71, 215-222. | 0.6 | 1 |
| 129 | Forensic Analysis of Two Contrasting Satellite Rainfall Products for Detection of the July 2002 Flooding in South-Central Texas. <i>Environmental Forensics</i> , 2011, 12, 219-225. | 1.3 | 0 |
| 130 | Efficient Uncertainty Assessment for Satellite Rainfall Observations with Application to Flood Prediction. , 2004, , . | | 0 |
| 131 | A Highly Selective and Simple Spectrophotometric Method for the Determination of Zinc at Nano-trace Levels in Some Environmental, Biological, Food, and Pharmaceutical Samples Using 2-hydroxynaphthaldehydebenzoylhydrazone. <i>European Journal of Chemistry</i> , 2020, 11, 160-167. | 0.3 | 0 |
| 132 | Reimagining the Surface Water and Ocean Topography Mission as the "Landsat" of Surface Water [Perspective]. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 346-349. | 4.9 | 0 |