

# Low Impact Development Practices: A Review of Current for Future Directions

Water, Air, and Soil Pollution

186, 351-363

DOI: 10.1007/s11270-007-9484-z

Citation Report

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Enhancing Rain Garden Design to Promote Nitrate Removal via Denitrification. , 2008, , .   |     | 0         |
| 2  | Low Impact Development in Utah: Progress, Constraints, and Future Outlook. , 2008, , .   |     | 0         |
| 3  | Reductions in Stormwater Quantity and Pollutant Loads Due to Bioretention and CU-Structural Soil Practices. , 2008, , .  |     | 2         |
| 4  | Design and hydraulic characteristics of a field-scale bi-phasic bioretention rain garden system for storm water management. Water Science and Technology, 2009, 59, 1863-1872.                 | 2.5 | 27        |
| 5  | Simulation of the Performance of a Storm-Water BMP. Journal of Environmental Engineering, ASCE, 2009, 135, 1257-1267.  | 1.4 | 17        |
| 6  | Seasonal Performance Variations for Storm-Water Management Systems in Cold Climate Conditions. Journal of Environmental Engineering, ASCE, 2009, 135, 128-137.                                 | 1.4 | 117       |
| 7  | Transport and dynamics of toxic pollutants in the natural environment and their effect on human health: research gaps and challenge. Environmental Geochemistry and Health, 2009, 31, 165-187. | 3.4 | 31        |
| 8  | Mitigation of Impervious Surface Hydrology Using Bioretention in North Carolina and Maryland. Journal of Hydrologic Engineering - ASCE, 2009, 14, 407-415.                                     | 1.9 | 217       |
| 9  | Potential use of pervious concrete for maintaining existing mature trees during and after urban development. Urban Forestry and Urban Greening, 2009, 8, 249-256.                              | 5.3 | 57        |
| 10 | Enhancing Rain Garden Design to Promote Nitrate Removal. , 2009, , .   |     | 0         |
| 11 | Bioretention Outflow: Does it Mimic Non-Urban Watershed Shallow Interflow?. , 2010, , .  |     | 1         |
| 12 | Bioretention Outflow: Does It Mimic Non-Urban Watershed Shallow Interflow?. , 2010, , .  |     | 0         |
| 13 | Commonality of rainfall variables influencing suspended solids concentrations in storm runoff from three different urban impervious surfaces. Journal of Hydrology, 2010, 387, 202-211.        | 5.4 | 26        |
| 14 | Laboratory study on stormwater biofiltration: Nutrient and sediment removal in cold temperatures. Journal of Hydrology, 2010, 394, 507-514.  | 5.4 | 95        |
| 15 | Best Management Practices for Stormwater Management in the Desert Southwest. Journal of Contemporary Water Research and Education, 2010, 146, 39-49.   | 0.7 | 16        |
| 18 | Green roof energy and water related performance in the Mediterranean climate. Building and Environment, 2010, 45, 1890-1904.   | 6.9 | 286       |
| 19 | Opportunities and challenges for managing nitrogen in urban stormwater: A review and synthesis. Ecological Engineering, 2010, 36, 1507-1519.   | 3.6 | 247       |
| 20 | Reducing Phosphorus in Urban Stormwater Runoff with Low Impact Development. , 2010, , .  |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 21 | Low Impact Development Designâ€”Integrating Suitability Analysis and Site Planning for Reduction of Post-Development Stormwater Quantity. Sustainability, 2010, 2, 2467-2482.                        | 3.2 | 20        |
| 22 | Hydrologic Restoration in the Urban Environment Using Green Roofs. Water (Switzerland), 2010, 2, 140-154.  | 2.7 | 88        |
| 23 | Alternative Site-Assessment Hydrologic Metrics for Urban Development. , 2010, , .  |     | 0         |
| 24 | Hydraulic Test of a Bioretention Media Carbon Amendment. Journal of Hydrologic Engineering - ASCE, 2010, 15, 531-536.  | 1.9 | 15        |
| 25 | Ecological Design Principles and Their Implications on Water Infrastructure Engineering. Journal of Green Building, 2010, 5, 147-164.  | 0.8 | 12        |
| 26 | Effective Curve Number and Hydrologic Design of Pervious Concrete Storm-Water Systems. Journal of Hydrologic Engineering - ASCE, 2010, 15, 465-474.  | 1.9 | 33        |
| 27 | Laboratory and theoretical evaluation of clogging behaviour of porous friction course mixes. International Journal of Pavement Engineering, 2010, 11, 61-70.   | 4.4 | 38        |
| 28 | Using remote sensing imagery to determine the impact of land cover changes on potential runoff for the Mid-Cibolo Creek watershed, Texas. Geocarto International, 2010, 25, 543-554.                 | 3.5 | 5         |
| 29 | Performance of Permeable Pavements in Cold Climate Environments. , 2010, , .   |     | 4         |
| 30 | Application of Climate Information and Predictions in Water Sector: Capabilities. Procedia Environmental Sciences, 2010, 1, 120-129.   | 1.4 | 12        |
| 31 | Reviewing source water protection strategies: A conceptual model for water quality assessment. Environmental Reviews, 2011, 19, 68-105.  | 4.5 | 32        |
| 32 | Understanding the nature of publics and local policy commitment to Water Sensitive Urban Design. Landscape and Urban Planning, 2011, 99, 83-92.  | 7.5 | 101       |
| 33 | Measuring extent, location and change of imperviousness in urban domestic gardens in collective housing projects. Landscape and Urban Planning, 2011, 100, 57-66.                                    | 7.5 | 52        |
| 34 | Bioretention Outflow: Does It Mimic Rural Water Interflow?. , 2011, , .  |     | 1         |
| 35 | iTree-Hydro: Snow Hydrology Update For The Urban Forest Hydrology Model1. Journal of the American Water Resources Association, 2011, 47, 1211-1218.  | 2.4 | 15        |
| 36 | Laboratory Study of Stormwater Biofiltration in Low Temperatures: Total and Dissolved Metal Removals and Fates. Water, Air, and Soil Pollution, 2011, 219, 303-317.                                  | 2.4 | 56        |
| 37 | Stormwater ponds and biofilters for large urban sites: Modeled arrangements that achieve the phosphorus reduction target for Boston's Charles River, USA. Ecological Engineering, 2011, 37, 850-863. | 3.6 | 46        |
| 38 | The effect of nutrients removal for bio-retention system in rainwater runoff. , 2011, , .  |     | 0         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 39 | The development mode of ecological city based on the vision of low impact development. , 2011, , .   |      | 0         |
| 40 | Bioretention Outflow: Does It Mimic Nonurban Watershed Shallow Interflow?. Journal of Hydrologic Engineering - ASCE, 2011, 16, 274-279.  | 1.9  | 59        |
| 41 | Storm-Water Bioretention for Runoff Quality and Quantity Mitigation. Journal of Environmental Engineering, ASCE, 2011, 137, 800-808.   | 1.4  | 109       |
| 42 | The Construction of Ecological Functions of Urban Open Space. Applied Mechanics and Materials, 0, 99-100, 606-610.   | 0.2  | 2         |
| 43 | The Urban Planning Principles of Low Impact Urban Development. Advanced Materials Research, 0, 361-363, 1095-1098.   | 0.3  | 1         |
| 44 | Quick Surface Infiltration Test to Assess Maintenance Needs on Small Pervious Concrete Sites. Journal of Irrigation and Drainage Engineering - ASCE, 2011, 137, 553-563.                   | 1.0  | 33        |
| 45 | Dominant perspectives and the shape of urban stormwater futures. Urban Water Journal, 2011, 8, 337-349.  | 2.1  | 24        |
| 46 | Hydrological impacts evaluation of pervious pavement based on a storm water management model. , 2011, , .  |      | 0         |
| 47 | Phosphorus isothermal adsorption characteristics of mulch of bioretention. Thermal Science, 2012, 16, 1358-1361.   | 1.1  | 5         |
| 48 | Stormwater Monitoring of Innovative Street Retrofits in Urban Wilmington, NC. , 2012, , .  |      | 1         |
| 49 | Meeting Hydrologic and Water Quality Goals through Targeted Bioretention Design. Journal of Environmental Engineering, ASCE, 2012, 138, 698-707.   | 1.4  | 196       |
| 50 | Hydrologically Enhanced Distributed Urban Drainage Model and Its Application in Beijing City. Journal of Hydrologic Engineering - ASCE, 2012, 17, 667-678.                                 | 1.9  | 18        |
| 51 | Water Quality and Hydrologic Performance of a Porous Asphalt Pavement as a Storm-Water Treatment Strategy in a Cold Climate. Journal of Environmental Engineering, ASCE, 2012, 138, 81-89. | 1.4  | 136       |
| 52 | Coastal Impacts, Adaptation, and Vulnerabilities. , 2012, , .  |      | 28        |
| 53 | Effectiveness of Low Impact Development Practices: Literature Review and Suggestions for Future Research. Water, Air, and Soil Pollution, 2012, 223, 4253-4273.                            | 2.4  | 581       |
| 54 | The role of biodegradation in limiting the accumulation of petroleum hydrocarbons in raingarden soils. Water Research, 2012, 46, 6753-6762.  | 11.3 | 65        |
| 55 | Comparing the adaptability of infiltration based BMPs to various U.S. regions. Landscape and Urban Planning, 2012, 106, 326-335.   | 7.5  | 23        |
| 56 | Resident, developer, and city staff perceptions of LID and CSD subdivision design approaches. Landscape and Urban Planning, 2012, 107, 43-54.  | 7.5  | 17        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 57 | Managing private and public adaptation to climate change. <i>Global Environmental Change</i> , 2012, 22, 3-11.   | 7.8 | 209       |
| 58 | Removal of <i>Clostridium perfringens</i> , <i>Escherichia coli</i> and F-RNA coliphages by stormwater biofilters. <i>Ecological Engineering</i> , 2012, 49, 137-145.                                      | 3.6 | 75        |
| 59 | Representation and Evaluation of Low Impact Development Practices with L-THIA-LID: An Example for Site Planning. <i>Environment and Pollution</i> , 2012, 1, .   | 0.2 | 52        |
| 60 | Winter Performance of Inter-Locking Pavers Stormwater Quantity and Quality. <i>Water (Switzerland)</i> , 2012, 4, 995-1008.  | 2.7 | 24        |
| 61 | A Comparison of Runoff Quality and Quantity from a Urban Commercial Infill Low Impact Development and a Traditional Development. , 2012, , .   |     | 0         |
| 62 | Risk: A Fundamental Barrier to the Implementation of Low Impact Design Infrastructure for Urban Stormwater Control. <i>Journal of Sustainable Development</i> , 2012, 5, .                                 | 0.3 | 20        |
| 63 | Bioretention Column Study of Bacteria Community Response to Salt-Enriched Artificial Stormwater. <i>Journal of Environmental Quality</i> , 2012, 41, 1951-1959.  | 2.0 | 19        |
| 64 | Multiple approaches to valuation of conservation design and low-impact development features in residential subdivisions. <i>Journal of Environmental Management</i> , 2012, 104, 101-113.                  | 7.8 | 28        |
| 65 | Representing soakaways in a physically distributed urban drainage model – Upscaling individual allotments to an aggregated scale. <i>Journal of Hydrology</i> , 2012, 414-415, 530-538.                    | 5.4 | 17        |
| 66 | Modelling of stormwater biofilters under random hydrologic variability: a case study of a car park at Monash University, Victoria (Australia). <i>Hydrological Processes</i> , 2012, 26, 3416-3424.        | 2.6 | 28        |
| 67 | Learning from students: geodesign lessons from the regional design studio. <i>Journal of Urbanism</i> , 2013, 6, 256-273.  | 0.9 | 3         |
| 68 | Quantifying impervious surface changes using time series planimetric data from 1940 to 2011 in four central Iowa cities, U.S.A. <i>Landscape and Urban Planning</i> , 2013, 120, 34-47.                    | 7.5 | 21        |
| 69 | Field evaluation of a new biphasic rain garden for stormwater flow management and pollutant removal. <i>Ecological Engineering</i> , 2013, 54, 22-31.  | 3.6 | 70        |
| 70 | Advances in LID BMPs research and practice for urban runoff control in China. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 709-720.  | 6.0 | 96        |
| 71 | Optimising nitrogen removal in existing stormwater biofilters: Benefits and tradeoffs of a retrofitted saturated zone. <i>Ecological Engineering</i> , 2013, 51, 75-82.                                    | 3.6 | 111       |
| 72 | The effects of low impact development on urban flooding under different rainfall characteristics. <i>Journal of Environmental Management</i> , 2013, 129, 577-585.   | 7.8 | 378       |
| 73 | Effectiveness of low impact development practices in two urbanized watersheds: Retrofitting with rain barrel/cistern and porous pavement. <i>Journal of Environmental Management</i> , 2013, 119, 151-161. | 7.8 | 173       |
| 74 | A simplified model of soakaway infiltration interaction with a shallow groundwater table. <i>Journal of Hydrology</i> , 2013, 497, 165-175.  | 5.4 | 25        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 75 | Novel Use of Time Domain Reflectometry in Infiltration-Based Low Impact Development Practices. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 625-634.                                       | 1.0 | 19        |
| 76 | Analysis of Consecutive Events for Nutrient and Sediment Treatment in Field-Monitored Bioretention Cells. Water, Air, and Soil Pollution, 2013, 224, 1.   | 2.4 | 35        |
| 77 | Assessment of Car Wash Runoff Treatment Using Bioretention Mesocosms. Journal of Environmental Engineering, ASCE, 2013, 139, 1132-1136.   | 1.4 | 11        |
| 78 | Preliminary Field Evaluation of Soil Compaction in Rain Gardens. Journal of Environmental Engineering, ASCE, 2013, 139, 1233-1236.  | 1.4 | 10        |
| 79 | Ecological Engineering Practices for the Reduction of Excess Nitrogen in Human-Influenced Landscapes: A Guide for Watershed Managers. Environmental Management, 2013, 51, 392-413.                              | 2.7 | 64        |
| 80 | Water Supply and Stormwater Management Benefits of Residential Rainwater Harvesting in U.S. Cities. Journal of the American Water Resources Association, 2013, 49, 810-824.                                     | 2.4 | 136       |
| 81 | Watering our cities. Progress in Physical Geography, 2013, 37, 2-28.  | 3.2 | 297       |
| 82 | Modeling low impact development potential with hydrological response units. Water Science and Technology, 2013, 68, 2382-2390.  | 2.5 | 8         |
| 83 | Laboratory analysis of the infiltration capacity of interlocking concrete block pavements in car parks. Water Science and Technology, 2013, 67, 675-681.  | 2.5 | 24        |
| 84 | Long-Term Hydraulic Performance of Porous Asphalt Pavements in Northern Sweden. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 499-505.  | 1.0 | 56        |
| 85 | Eliciting Stakeholders' Preferences for Low-Impact Design Incentives: Conjoint Analysis Approach. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2013, 5, 180-190.            | 1.4 | 3         |
| 86 | Build Sponge Eco-cities to Adapt Hydroclimatic Hazards. , 2013, , 1-12.   |     | 0         |
| 87 | Modeling Hydrologic Benefits of Low Impact Development: A Distributed Hydrologic Model of The Woodlands, Texas. Journal of the American Water Resources Association, 2013, 49, 1444-1455.                       | 2.4 | 22        |
| 88 | Making a Business Case for LID Treatment Methods. , 2013, , .   |     | 0         |
| 89 | Catchment Scale Hydrologic and Water Quality Impacts of Residential Stormwater Street Retrofits in Wilmington, North Carolina. , 2013, , .  |     | 3         |
| 90 | Phosphorus Pollution Control by Stormwater Bioretention Systems. Advanced Materials Research, 0, 726-731, 1817-1822.  | 0.3 | 2         |
| 91 | Design-with-Nature for Multifunctional Landscapes: Environmental Benefits and Social Barriers in Community Development. International Journal of Environmental Research and Public Health, 2013, 10, 5433-5458. | 2.6 | 23        |
| 92 | Green Infrastructure Design for Stormwater Runoff and Water Quality: Empirical Evidence from Large Watershed-Scale Community Developments. Water (Switzerland), 2013, 5, 2038-2057.                             | 2.7 | 47        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 93  | A Comparison of Runoff Quality and Quantity from a Urban Commercial Infill Low Impact Development and a Conventional Development. , 2013, , .   |     | 0         |
| 94  | Catchment-Scale Evaluation of the Hydrologic and Water Quality Impacts of Residential Street Retrofits in Wilmington, NC. , 2013, , .   |     | 0         |
| 95  | A Review of Sustainable Urban Drainage Systems Considering the Climate Change and Urbanization Impacts. Water (Switzerland), 2014, 6, 976-992.  | 2.7 | 302       |
| 96  | Comparing Two Methods of Determining Infiltration Rates of Permeable Interlocking Concrete Pavers. Water (Switzerland), 2014, 6, 2353-2366.   | 2.7 | 23        |
| 97  | Water quality and quantity assessment of pervious pavements performance in experimental car park areas. Water Science and Technology, 2014, 69, 1526-1533.  | 2.5 | 44        |
| 98  | Infiltrating into the paved garden “a functional evaluation of parcel imperviousness in terms of water retention efficiency. Journal of Environmental Planning and Management, 2014, 57, 1552-1571.   | 4.5 | 6         |
| 99  | Regional risk assessment of the Puyallup River Watershed and the evaluation of low impact development in meeting management goals. Integrated Environmental Assessment and Management, 2014, 10, 269-278.   | 2.9 | 31        |
| 100 | Evaluating rain gardens as a method to reduce the impact of sewer overflows in sources of drinking water. Science of the Total Environment, 2014, 499, 238-247.   | 8.0 | 71        |
| 101 | Urban recharge beneath low impact development and effects of climate variability and change. Water Resources Research, 2014, 50, 1716-1734.   | 4.2 | 86        |
| 102 | Hydrologic Characterization of Undrained Porous Pavements. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1069-1079.   | 1.9 | 17        |
| 103 | Nitrogen Removal by Stormwater Management Structures: A Data Synthesis. Journal of the American Water Resources Association, 2014, 50, 1594-1607.   | 2.4 | 73        |
| 104 | Research Article: Assessing the Social and Economic Barriers to Permeable Surface Utilization for Residential Driveways in Kitchener, Canada. Environmental Practice, 2014, 16, 6-18.   | 0.3 | 10        |
| 105 | A Conceptual Model for Predicting Hydraulic Behaviour of a Green Roof. Procedia Engineering, 2014, 70, 266-274.   | 1.2 | 27        |
| 106 | The definition of urban stormwater tolerance threshold and its conceptual estimation: an example from Taiwan. Natural Hazards, 2014, 73, 173-190.   | 3.4 | 7         |
| 107 | Source Apportionment and Distribution of Polycyclic Aromatic Hydrocarbons, Risk Considerations, and Management Implications for Urban Stormwater Pond Sediments in Minnesota, USA. Archives of Environmental Contamination and Toxicology, 2014, 66, 176-200. | 4.1 | 52        |
| 108 | Sustainable plants in urban parks: A life cycle analysis of traditional and alternative lawns in Georgia, USA. Landscape and Urban Planning, 2014, 122, 140-151.  | 7.5 | 34        |
| 109 | Hydrologic modeling analysis of a passive, residential rainwater harvesting program in an urbanized, semi-arid watershed. Journal of Hydrology, 2014, 508, 240-253.   | 5.4 | 97        |
| 110 | Water Balances of Two Piedmont Headwater Catchments: Implications for Regional Hydrologic Landscape Classification. Journal of the American Water Resources Association, 2014, 50, 1063-1079.   | 2.4 | 9         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 111 | Practical Review of Pervious Pavement Designs. Clean - Soil, Air, Water, 2014, 42, 111-124.   | 1.1 | 113       |
| 112 | Effect of baffled water-holding garden system on disposal of rainwater for green building residential districts. Desalination and Water Treatment, 2014, 52, 2717-2723.                           | 1.0 | 5         |
| 113 | Stormwater pollutant runoff: A stochastic approach. Advances in Water Resources, 2014, 74, 148-155.   | 3.8 | 23        |
| 114 | Urbanization and watershed sustainability: Collaborative simulation modeling of future development states. Journal of Hydrology, 2014, 519, 1526-1536.  | 5.4 | 26        |
| 115 | A closed urban scenic river system using stormwater treated with LID-BMP technology in a revitalized historical district in China. Ecological Engineering, 2014, 71, 448-457.                     | 3.6 | 45        |
| 116 | Tools for Modeling of Stormwater Management and Economics of Green Infrastructure Practices: a Review. Water, Air, and Soil Pollution, 2014, 225, 1.  | 2.4 | 134       |
| 117 | Zebrafish and clean water technology: Assessing soil bioretention as a protective treatment for toxic urban runoff. Science of the Total Environment, 2014, 500-501, 173-180.                     | 8.0 | 58        |
| 118 | A critical review of the reactivity of manganese oxides with organic contaminants. Environmental Sciences: Processes and Impacts, 2014, 16, 1247.   | 3.5 | 213       |
| 119 | Protection of stream ecosystems from urban stormwater runoff. Progress in Physical Geography, 2014, 38, 543-555.  | 3.2 | 58        |
| 120 | Paradigm shift toward sustainable commercial project development in China. Habitat International, 2014, 42, 186-192.  | 5.8 | 25        |
| 121 | Land Use and Climate Variability Amplify Carbon, Nutrient, and Contaminant Pulses: A Review with Management Implications. Journal of the American Water Resources Association, 2014, 50, 585-614. | 2.4 | 162       |
| 122 | Review and Research Needs of Bioretention Used for the Treatment of Urban Stormwater. Water (Switzerland), 2014, 6, 1069-1099.  | 2.7 | 186       |
| 123 | PHYSICAL PROPERTIES OF VARYING RAIN GARDEN FILTER BED SUBSTRATES AFFECT SATURATED HYDRAULIC CONDUCTIVITY. Acta Horticulturae, 2014, , 485-489.  | 0.2 | 0         |
| 124 | Rationale for Studying How Institutional Capacity Can Influence the Adoption of Decentralized Approaches to Stormwater Infrastructure. , 2014, , .  |     | 0         |
| 125 | Bioretention and Permeable Pavement Performance in Clay Soil. , 2015, , .   |     | 6         |
| 126 | Evaluation of the Effectiveness of Wrapping Filter Drain Pipes in Geotextile for Pollution Prevention in Response to Relatively Large Oil Releases. , 2015, , .                                   |     | 2         |
| 127 | Sustainable urban development through an application of green infrastructure in district scale – a case study of Wrocław (Poland). Journal of Water and Land Development, 2015, 25, 3-12.         | 0.9 | 6         |
| 128 | Aqueous Contaminant Removal and Stormwater Treatment Using Biochar. SSSA Special Publication Series, 0, , 341-376.  | 0.2 | 8         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 129 | Physical design optimization of an urban runoff treatment system using Stormwater Management Model (SWMM). Water Science and Technology, 2015, 72, 1747-1753.  | 2.5 | 8         |
| 130 | Evaluation of Heavy Metal Removal Capacity of Bioretention Systems. Water, Air, and Soil Pollution, 2015, 226, 1.  | 2.4 | 27        |
| 131 | The Impact of Green Stormwater Infrastructure Installation on Surrounding Health and Safety. American Journal of Public Health, 2015, 105, e114-e121.  | 2.7 | 75        |
| 132 | Comparing Green and Grey Infrastructure Using Life Cycle Cost and Environmental Impact: A Rain Garden Case Study in Cincinnati, <sc>OH</sc>. Journal of the American Water Resources Association, 2015, 51, 1342-1360. | 2.4 | 81        |
| 133 | Testing the impact of atâ€source stormwater management on urban flooding through a coupling of network and overland flow models. Wiley Interdisciplinary Reviews: Water, 2015, 2, 291-300.                             | 6.5 | 34        |
| 134 | Low Impact Development Practices: A Review of Current Research and Recommendations for Future Directions. Ecological Chemistry and Engineering S, 2015, 22, 543-563.   | 1.5 | 26        |
| 135 | Impacts of Large-Scale Stormwater Green Infrastructure Implementation and Climate Variability on Receiving Water Response in the Salt Lake City Area. American Journal of Environmental Sciences, 2015, 11, 278-292.   | 0.5 | 22        |
| 136 | Effects of Land Cover on Streamflow Variability in a Small Iowa Watershed: Assessing Future Vulnerabilities. American Journal of Environmental Sciences, 2015, 11, 186-198.  | 0.5 | 7         |
| 137 | Urban Evolution: The Role of Water. Water (Switzerland), 2015, 7, 4063-4087.   | 2.7 | 72        |
| 138 | A Review of Applicability and Effectiveness of Low Impact Development/Green Infrastructure Practices in Arid/Semi-Arid United States. Environments - MDPI, 2015, 2, 221-249.   | 3.3 | 27        |
| 139 | Field and Evaluation Methods Used to Test the Performance of a StormceptorÂ® Class 1 Stormwater Treatment Device in Australia. Sustainability, 2015, 7, 16311-16323.   | 3.2 | 10        |
| 140 | An Introduction to a Special Issue on Stormwater. Water Environment Research, 2015, 87, 771-771.   | 2.7 | 0         |
| 141 | Characterization of Undrained Porous Pavement Systems Using a Broken-Line Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, .   | 1.9 | 2         |
| 142 | Field monitoring of a LID-BMP treatment train system in China. Environmental Monitoring and Assessment, 2015, 187, 373.  | 2.7 | 63        |
| 143 | Evaluating the effectiveness of management practices on hydrology and water quality at watershed scale with a rainfall-runoff model. Science of the Total Environment, 2015, 511, 298-308.                             | 8.0 | 151       |
| 144 | Effects of Aggregate Masking on Soil Infiltration under an Aggregate Bed. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .  | 1.0 | 6         |
| 145 | Green infrastructure stormwater management at the watershed scale: urban variable source area and watershed capacitance. Hydrological Processes, 2015, 29, 2268-2274.  | 2.6 | 65        |
| 146 | Soil bioretention protects juvenile salmon and their prey from the toxic impacts of urban stormwater runoff. Chemosphere, 2015, 132, 213-219.  | 8.2 | 79        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 147 | Review of Dissolved Pollutants in Urban Storm Water and Their Removal and Fate in Bioretention Cells. Journal of Environmental Engineering, ASCE, 2015, 141, .                             | 1.4  | 242       |
| 148 | Influences of setting sizes and combination of green infrastructures on community's stormwater runoff reduction. Ecological Modelling, 2015, 318, 236-244.                                 | 2.5  | 46        |
| 149 | Retrofitting with innovative stormwater control measures: Hydrologic mitigation of impervious cover in the municipal right-of-way. Journal of Hydrology, 2015, 527, 923-932.               | 5.4  | 39        |
| 150 | Monitoring of a Rain Garden in Cold Climate: Case Study of a Parking Lot near Montr al. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .                                | 1.0  | 28        |
| 151 | Combined sewer overflow control with LID based on SWMM: an example in Shanghai, China. Water Science and Technology, 2015, 71, 1136-1142.  | 2.5  | 40        |
| 152 | Assessment of LID practices for restoring pre-development runoff regime in an urbanized catchment in southern Finland. Water Science and Technology, 2015, 71, 1485-1491.                  | 2.5  | 54        |
| 153 | Modeling methods to assess urban fluxes and heat island mitigation measures from street to city scale. International Journal of Low-Carbon Technologies, 2015, 10, 62-77.                  | 2.6  | 27        |
| 154 | Do sediment type and test durations affect results of laboratory-based, accelerated testing studies of permeable pavement clogging?. Science of the Total Environment, 2015, 511, 786-791. | 8.0  | 29        |
| 155 | Identifying priority sites for low impact development (LID) in a mixed-use watershed. Landscape and Urban Planning, 2015, 140, 29-41.  | 7.5  | 121       |
| 156 | Performance assessment of a commonly used "accumulation and wash-off" model from long-term continuous road runoff turbidity measurements. Water Research, 2015, 78, 47-59.                 | 11.3 | 25        |
| 157 | Simulating the effect of flow path roughness to examine how green infrastructure restores urban runoff timing and magnitude. Urban Forestry and Urban Greening, 2015, 14, 361-367.         | 5.3  | 9         |
| 158 | Assessment of PAH dissipation processes in large-scale outdoor mesocosms simulating vegetated road-side swales. Science of the Total Environment, 2015, 520, 146-153.                      | 8.0  | 23        |
| 159 | Soils beneath suspended pavements: An opportunity for stormwater control and treatment. Ecological Engineering, 2015, 82, 40-48.   | 3.6  | 22        |
| 160 | Characterizing stormwater treatment efficiency at the laboratory scale for effective rain garden design. Desalination and Water Treatment, 2015, 54, 1334-1343.                            | 1.0  | 3         |
| 161 | SUDS, LID, BMPs, WSUD and more " The evolution and application of terminology surrounding urban drainage. Urban Water Journal, 2015, 12, 525-542.  | 2.1  | 1,134     |
| 162 | Application of SWMM in Evaluating the Reduction Performance of Urban Runoff Treatment Systems with Varying Land Use. , 2015, , .   |      | 2         |
| 163 | The pollution removal and stormwater reduction performance of street-side bioretention basins after ten years in operation. Science of the Total Environment, 2015, 536, 784-792.          | 8.0  | 127       |
| 164 | Assessing the long-term impact of urbanization on run-off using a remote-sensing-supported hydrological model. International Journal of Remote Sensing, 2015, 36, 5336-5352.               | 2.9  | 11        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 165 | Experimental study on filtration effect and mechanism of pavement runoff in permeable asphalt pavement. Construction and Building Materials, 2015, 100, 102-110.                                  | 7.2  | 90        |
| 166 | Development of Simulation-Optimization Model (MUSIC-GA) for Urban Stormwater Management. Water Resources Management, 2015, 29, 4649-4665.   | 3.9  | 22        |
| 167 | Modeling low impact development in two Chicago communities. Environmental Science: Water Research and Technology, 2015, 1, 855-864.   | 2.4  | 9         |
| 168 | From Rain Tanks to Catchments: Use of Low-Impact Development To Address Hydrologic Symptoms of the Urban Stream Syndrome. Environmental Science & Technology, 2015, 49, 11264-11280.              | 10.0 | 129       |
| 169 | Low-Impact Development Practices to Mitigate Climate Change Effects on Urban Stormwater Runoff: Case Study of New York City. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .  | 1.0  | 153       |
| 170 | Long-term hydraulic performance of stormwater infiltration systems. Urban Water Journal, 2015, 12, 660-671.   | 2.1  | 21        |
| 171 | Exploring Green Streets and rain gardens as instances of small scale nature and environmental learning tools. Landscape and Urban Planning, 2015, 134, 229-240.                                   | 7.5  | 73        |
| 172 | Retrofitting Residential Streets with Stormwater Control Measures over Sandy Soils for Water Quality Improvement at the Catchment Scale. Journal of Environmental Engineering, ASCE, 2015, 141, . | 1.4  | 17        |
| 173 | LID-BMPs planning for urban runoff control and the case study in China. Journal of Environmental Management, 2015, 149, 65-76.  | 7.8  | 134       |
| 174 | Comparison of Runoff Quality and Quantity from a Commercial Low-Impact and Conventional Development in Raleigh, North Carolina. Journal of Environmental Engineering, ASCE, 2015, 141, .          | 1.4  | 59        |
| 175 | Enhancing a rainfall-runoff model to assess the impacts of BMPs and LID practices on storm runoff. Journal of Environmental Management, 2015, 147, 12-23.   | 7.8  | 120       |
| 176 | Elemental Concentrations in Urban Green Stormwater Infrastructure Soils. Journal of Environmental Quality, 2016, 45, 107-118.   | 2.0  | 10        |
| 177 | Field Evaluation of the Nutrient Removal Performance of a Gross Pollutant Trap (GPT) in Australia. Sustainability, 2016, 8, 669.  | 3.2  | 5         |
| 178 | Downstream Dissipation of Storm Flow Heat Pulses: A Case Study and its Landscape-Level Implications. Journal of the American Water Resources Association, 2016, 52, 281-297.                      | 2.4  | 26        |
| 179 | Effectiveness of Best Management Practices for Stormwater Treatment as a Function of Runoff Volume. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .                       | 2.6  | 16        |
| 180 | Assessing the effects of catchment-scale urban green infrastructure retrofits on hydrograph characteristics. Hydrological Processes, 2016, 30, 1536-1550.   | 2.6  | 95        |
| 181 | A review of the bioretention system for sustainable storm water management in urban areas. Materials and Geoenvironment, 2016, 63, 227-236.   | 0.2  | 15        |
| 182 | Structural improvements on hydrodynamic separators: a computational fluid dynamics approach. Water Science and Technology, 2016, 74, 2898-2908.   | 2.5  | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 183 | Chemical pollution. , 0, , 149-177.  |     | 3         |
| 185 | Sustainable urban stormwater management in the tropics: An evaluation of Singapore's ABC Waters Program. Journal of Hydrology, 2016, 538, 842-862.           | 5.4 | 107       |
| 186 | Integrated design workflow and a new tool for urban rainwater management. Journal of Environmental Management, 2016, 180, 45-51.                             | 7.8 | 55        |
| 187 | Hydrological effect of typical low impact development approaches in a residential district. Natural Hazards, 2016, 80, 389-400.                              | 3.4 | 30        |
| 188 | Optimal selection and placement of BMPs and LID practices with a rainfall-runoff model. Environmental Modelling and Software, 2016, 80, 281-296.             | 4.5 | 113       |
| 189 | Mitigating nutrient leaching from green roofs with biochar. Landscape and Urban Planning, 2016, 152, 39-48.  | 7.5 | 56        |
| 190 | Stormwater Low-Impact Development: A Call to Arms for Hydraulic Engineers. Journal of Hydraulic Engineering, 2016, 142, 02516002.                            | 1.5 | 7         |
| 191 | Sustainable Water Management in Green Roofs. Handbook of Environmental Chemistry, 2016, , 167-207.   | 0.4 | 1         |
| 193 | Household response to environmental incentives for rain garden adoption. Water Resources Research, 2016, 52, 1345-1357.                                      | 4.2 | 28        |
| 194 | Bio-retention Systems for Storm Water Treatment and Management in Urban Systems. , 2016, , 175-200.  |     | 2         |
| 195 | Nitrogen-cycling process rates across urban ecosystems. FEMS Microbiology Ecology, 2016, 92, fiw198.   | 2.7 | 58        |
| 196 | The Influence of Design Parameters on Stormwater Pollutant Removal in Permeable Pavements. Water, Air, and Soil Pollution, 2016, 227, 1.                     | 2.4 | 27        |
| 197 | Effects of Urbanization and Climate Change on Peak Flows over the San Antonio River Basin, Texas. Journal of Hydrometeorology, 2016, 17, 2371-2389.          | 1.9 | 45        |
| 198 | Role of Low Impact Development in the Attenuation of Flood Flows in Urban Areas. , 2016, , .   |     | 4         |
| 199 | Hydraulic characterization and hydrological behaviour of a pilot permeable pavement in an urban centre, Brazil. Hydrological Processes, 2016, 30, 4242-4254. | 2.6 | 22        |
| 200 | Urban stream renovation: incorporating societal objectives to achieve ecological improvements. Freshwater Science, 2016, 35, 364-379.                        | 1.8 | 56        |
| 201 | Pre-development conditions to assess the impact of growth in an urbanizing watershed in Northern Virginia. Journal of Hydrology, 2016, 540, 1066-1077.       | 5.4 | 2         |
| 202 | Residential Rain Garden Performance in the Climate Zones of the Contiguous United States. Journal of Environmental Engineering, ASCE, 2016, 142, .           | 1.4 | 16        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 203 | Modified Bioretention for Enhanced Nitrogen Removal from Agricultural Runoff. Journal of Environmental Engineering, ASCE, 2016, 142, .   | 1.4 | 10        |
| 204 | Assessment of stormwater runoff management practices and governance under climate change and urbanization: An analysis of Bangkok, Hanoi and Tokyo. Environmental Science and Policy, 2016, 64, 101-117.     | 4.9 | 113       |
| 205 | Distributed Stormwater Controls for Flood Mitigation within Urbanized Watersheds: Case Study of Rocky Branch Watershed in Columbia, South Carolina. Journal of Hydrologic Engineering - ASCE, 2016, 21, .    | 1.9 | 28        |
| 206 | Runoff Impacts and LID Techniques for Mansionization-Based Stormwater Effects in Fairfax County, Virginia. Journal of Sustainable Water in the Built Environment, 2016, 2, .                                 | 1.6 | 9         |
| 207 | Assessing cost-effectiveness of bioretention on stormwater in response to climate change and urbanization for future scenarios. Journal of Hydrology, 2016, 543, 423-432.                                    | 5.4 | 82        |
| 208 | STUDY ON OUTFLOW CONTROL EFFECT OF ON-SITE STORAGE AND SOIL IMPROVEMENT FOR SMALL WATERSHED. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, 49-58.                    | 0.1 | 5         |
| 209 | Retrofitting LID Practices into Existing Neighborhoods: Is It Worth It?. Environmental Management, 2016, 57, 856-867.  | 2.7 | 49        |
| 210 | Pavement induced soil warming accelerates leaf budburst of ash trees. Urban Forestry and Urban Greening, 2016, 16, 36-42.  | 5.3 | 23        |
| 211 | Plant species richness enhances nitrogen retention in green roof plots. Ecological Applications, 2016, 26, 2130-2144.  | 3.8 | 26        |
| 212 | Best management practices as an alternative for flood and urban storm water control in a changing climate. Journal of Flood Risk Management, 2016, 9, 243-254.   | 3.3 | 23        |
| 213 | Effects of Best Management Practice on Ecological Condition: Does Location Matter?. Environmental Management, 2016, 57, 1062-1076.   | 2.7 | 21        |
| 214 | Evaluating Retention Capacity of Infiltration Rain Gardens and Their Potential Effect on Urban Stormwater Management in the Sub-Humid Loess Region of China. Water Resources Management, 2016, 30, 983-1000. | 3.9 | 31        |
| 215 | Cadmium removal from urban stormwater runoff via bioretention technology and effluent risk assessment for discharge to surface water. Journal of Contaminant Hydrology, 2016, 185-186, 42-50.                | 3.3 | 31        |
| 216 | Modeling flood reduction effects of low impact development at a watershed scale. Journal of Environmental Management, 2016, 171, 81-91.  | 7.8 | 211       |
| 217 | Small scale green infrastructure design to meet different urban hydrological criteria. Journal of Environmental Management, 2016, 171, 92-100.   | 7.8 | 37        |
| 218 | Urban green spaces activities: A preparatory groundwork for a safety management system. Journal of Safety Research, 2016, 56, 75-82.   | 3.6 | 19        |
| 219 | A technology for the standpipe in flat roof of green building community. Agricultural Water Management, 2016, 174, 103-107.  | 5.6 | 2         |
| 220 | Evaluation of the capability of low-impact development practices for the removal of heavy metal from urban stormwater runoff. Environmental Technology (United Kingdom), 2016, 37, 2265-2272.                | 2.2 | 44        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 221 | Laboratory Study on the Stormwater Retention and Runoff Attenuation Capacity of Four Permeable Pavements. Journal of Environmental Engineering, ASCE, 2016, 142, .   | 1.4  | 28        |
| 222 | Maintenance measures for preservation and recovery of permeable pavement surface infiltration rate – The effects of street sweeping, vacuum cleaning, high pressure washing, and milling. Journal of Environmental Management, 2016, 169, 132-144. | 7.8  | 94        |
| 223 | How does imperviousness impact the urban rainfall-runoff process under various storm cases?. Ecological Indicators, 2016, 60, 893-905.   | 6.3  | 103       |
| 224 | Stormwater control measure (SCM) maintenance considerations to ensure designed functionality. Urban Water Journal, 2017, 14, 278-290.  | 2.1  | 87        |
| 225 | Conventional and decentralized urban stormwater management: A comparison through case studies of Singapore and Berlin, Germany. Urban Water Journal, 2017, 14, 113-124.  | 2.1  | 48        |
| 226 | Storm Water Management Model: Performance Review and Gap Analysis. Journal of Sustainable Water in the Built Environment, 2017, 3, .   | 1.6  | 139       |
| 227 | Evaluation of low impact development approach for mitigating flood inundation at a watershed scale in China. Journal of Environmental Management, 2017, 193, 430-438.  | 7.8  | 90        |
| 228 | Tree survival and growth are impacted by increased surface temperature on paved land. Landscape and Urban Planning, 2017, 162, 68-79.  | 7.5  | 47        |
| 229 | Life cycle environmental and economic assessment of a LID-BMP treatment train system: A case study in China. Journal of Cleaner Production, 2017, 149, 227-237.  | 9.3  | 73        |
| 230 | Public perceptions of and willingness to pay for sponge city initiatives in China. Resources, Conservation and Recycling, 2017, 122, 11-20.  | 10.8 | 167       |
| 231 | A review of water-sensitive urban design technologies and practices for sustainable stormwater management. Sustainable Water Resources Management, 2017, 3, 269-282.   | 2.1  | 46        |
| 232 | Organic Carbon Amendments for Enhanced Biological Attenuation of Trace Organic Contaminants in Biochar-Amended Stormwater Biofilters. Environmental Science & Technology, 2017, 51, 9184-9193.   | 10.0 | 54        |
| 233 | Photocatalytic removal of gaseous nitrogen oxides using WO <sub>3</sub> /TiO <sub>2</sub> particles under visible light irradiation: Effect of surface modification. Chemosphere, 2017, 182, 539-546.  | 8.2  | 30        |
| 234 | The potential of using biological nitrogen removal technique for stormwater treatment. Ecological Engineering, 2017, 106, 482-495.   | 3.6  | 20        |
| 235 | The Role of Denitrification in Stormwater Detention Basin Treatment of Nitrogen. Environmental Science & Technology, 2017, 51, 7928-7935.  | 10.0 | 52        |
| 236 | An integrated assessment of urban flooding mitigation strategies for robust decision making. Environmental Modelling and Software, 2017, 95, 143-155.  | 4.5  | 100       |
| 237 | A review on effectiveness of best management practices in improving hydrology and water quality: Needs and opportunities. Science of the Total Environment, 2017, 601-602, 580-593.  | 8.0  | 209       |
| 238 | Monitoring Porous Asphalt Stormwater Infiltration and Outflow. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 04017027.   | 1.0  | 7         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 239 | Water quality before and after watershed-scale implementation of stormwater wet ponds in the coastal plain. <i>Ecological Engineering</i> , 2017, 105, 240-251.  | 3.6 | 26        |
| 240 | Evaluation of distributed <sc>BMP</sc>s in an urban watershedâ€”High resolution modeling for stormwater management. <i>Hydrological Processes</i> , 2017, 31, 2700-2712.   | 2.6 | 50        |
| 241 | Hydrological Model of LID with Rainfall-Watershed-Bioretenion System. <i>Water Resources Management</i> , 2017, 31, 1931-1946.   | 3.9 | 26        |
| 242 | Low-impact development for impervious surface connectivity mitigation: assessment of directly connected impervious areas (DCIAs). <i>Journal of Environmental Planning and Management</i> , 2017, 60, 1871-1889. | 4.5 | 23        |
| 243 | Influence of the vegetative cover on the fate of trace metals in retention systems simulating roadside infiltration swales. <i>Science of the Total Environment</i> , 2017, 580, 482-490.                        | 8.0 | 21        |
| 244 | Can we face the challenge: how to implement a theoretical concept of green infrastructure into planning practice? Warsaw case study. <i>Landscape Research</i> , 2017, 42, 176-194.                              | 1.6 | 29        |
| 245 | Monitoring Methods and Designs for Evaluating Bioretention Performance. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, 05017006.   | 1.4 | 11        |
| 246 | Exploring Planting and Filter Media in Stormwater Bioremediating Landscapes: a Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.   | 2.4 | 16        |
| 247 | Modeling Watershedâ€”Scale Impacts of Stormwater Management with Traditional versus Low Impact Development Design. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1081-1094.             | 2.4 | 30        |
| 248 | Evapotranspiration and Mineral Content of <i>Sedum kamtschaticum</i> Fischer Under Saline Irrigation. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1399-1408.                            | 1.4 | 1         |
| 249 | Retention performance of green roofs in representative climates worldwide. <i>Journal of Hydrology</i> , 2017, 553, 763-772.   | 5.4 | 57        |
| 250 | Facilitators and Barriers of Applying Low Impact Development Practices in Urban Development. <i>Water Resources Management</i> , 2017, 31, 3795-3808.  | 3.9 | 18        |
| 251 | The effect of different surface materials on runoff quality in permeable pavement systems. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21103-21110.  | 5.3 | 36        |
| 252 | A new framework for modeling decentralized low impact developments using Soil and Water Assessment Tool. <i>Environmental Modelling and Software</i> , 2017, 96, 305-322.  | 4.5 | 35        |
| 253 | Performance and implementation of low impact development â€” A review. <i>Science of the Total Environment</i> , 2017, 607-608, 413-432.   | 8.0 | 412       |
| 254 | Understanding Perceptions of Plant Landscaping in LID: Seeking a Sustainable Design and Management Strategy. <i>Journal of Sustainable Water in the Built Environment</i> , 2017, 3, 05017003.                   | 1.6 | 4         |
| 255 | Pollutant reduction effectiveness of low-impact development drainage system in a campus. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.  | 6.0 | 6         |
| 256 | A critical literature review of bioretention research for stormwater management in cold climate and future research recommendations. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.    | 6.0 | 70        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 257 | Initial impacts of rain gardens™ application on water quality and quantity in combined sewer: field-scale experiment. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.                                      | 6.0 | 13        |
| 258 | Misapplication of generic hazard-classification schemes for versatile, sustainable building materials: Copper as an example. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 1703-1730.                              | 3.4 | 2         |
| 259 | Effects of storm size and frequency on nitrogen retention, denitrification, and N2O production in bioretention swale mesocosms. <i>Biogeochemistry</i> , 2017, 134, 353-370.  | 3.5 | 31        |
| 260 | Modelling hydrological response to a fully-monitored urban bioretention cell. <i>Hydrological Processes</i> , 2017, 31, 4626-4638.  | 2.6 | 35        |
| 261 | “Sponge city” concept helps solve China’s urban water problems. <i>Environmental Earth Sciences</i> , 2017, 76, 1.  | 2.7 | 108       |
| 262 | Understanding the challenges for the governance of China’s “sponge cities” initiative to sustainably manage urban stormwater and flooding. <i>Natural Hazards</i> , 2017, 89, 521-529.  | 3.4 | 61        |
| 263 | Modeling stormwater management at the city district level in response to changes in land use and low impact development. <i>Environmental Modelling and Software</i> , 2017, 95, 132-142.   | 4.5 | 155       |
| 264 | Investigation into the long-term stormwater pollution removal efficiency of bioretention systems. <i>Water Science and Technology</i> , 2017, 76, 2133-2139.  | 2.5 | 7         |
| 265 | Removing heavy metals using permeable pavement system with a titanate nano-fibrous adsorbent column as a post treatment. <i>Chemosphere</i> , 2017, 168, 467-473.   | 8.2 | 38        |
| 266 | Hydrologic impact of urbanization with extensive stormwater infiltration. <i>Journal of Hydrology</i> , 2017, 544, 524-537.   | 5.4 | 100       |
| 267 | Hydrologic Performance of Watershed-Scale Low-Impact Development in a High-Intensity Rainfall Region. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, 04016083.   | 1.0 | 15        |
| 268 | Simulation and Evaluation of Low Impact Development of Urban Residential District Based on SWMM and GIS. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 74, 012009.  | 0.3 | 5         |
| 269 | Retrofitting the Low Impact Development Practices into Developed Urban areas Including Barriers and Potential Solution. <i>Open Geosciences</i> , 2017, 9, .  | 1.7 | 35        |
| 270 | The Fate of Pollutants in Porous Asphalt Pavements, Laboratory Experiments to Investigate Their Potential to Impact Environmental Health. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 666. | 2.6 | 12        |
| 271 | The Effect of Urban Green Infrastructure on Disaster Mitigation in Korea. <i>Sustainability</i> , 2017, 9, 1026.  | 3.2 | 11        |
| 272 | Differences in Infiltration and Evaporation of Diesel and Gasoline Droplets Spilled onto Concrete Pavement. <i>Sustainability</i> , 2017, 9, 1271.  | 3.2 | 12        |
| 273 | Evaluating the Effects of Low Impact Development Practices on Urban Flooding under Different Rainfall Intensities. <i>Water (Switzerland)</i> , 2017, 9, 548.   | 2.7 | 63        |
| 274 | Effectiveness of Runoff Control Legislation and Active, Beautiful, Clean (ABC) Waters Design Features in Singapore. <i>Water (Switzerland)</i> , 2017, 9, 627.  | 2.7 | 11        |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 275 | Removal of Heavy Metals from Urban Stormwater Runoff Using Bioretention Media Mix. Water (Switzerland), 2017, 9, 854.  | 2.7  | 36        |
| 276 | Analysis and Comparison on the Flood Simulation in Typical Hilly & Semi-mountainous Region. IOP Conference Series: Earth and Environmental Science, 2017, 100, 012206.                             | 0.3  | 0         |
| 277 | Measurement and evaluation of percolation drainage systems capacity in real conditions. IOP Conference Series: Earth and Environmental Science, 2017, 92, 012040.                                  | 0.3  | 3         |
| 278 | Effects of Low Impact Development Practices on the Mitigation of Nutrient Pollution in Deep Bay, China. , 2017, , .  |      | 0         |
| 279 | Effectiveness of roadside vegetated filter strips and swales at treating roadway runoff: a tutorial review. Environmental Science: Water Research and Technology, 2018, 4, 478-486.                | 2.4  | 22        |
| 280 | Inexact fuzzy chance-constrained programming for community-scale urban stormwater management. Journal of Cleaner Production, 2018, 182, 937-945.   | 9.3  | 28        |
| 281 | Performances of metal concentrations from three permeable pavement infiltrates. Water Research, 2018, 136, 41-53.  | 11.3 | 21        |
| 282 | Rapid Assessment of Hydrologic Performance of Low Impact Development Practices under Design Storms. Journal of the American Water Resources Association, 2018, 54, 613-630.                        | 2.4  | 21        |
| 283 | Study on the development trend and practice of sponge cities with Chinese Characteristics. IOP Conference Series: Earth and Environmental Science, 2018, 128, 012134.                              | 0.3  | 0         |
| 284 | The effects of initial soil moisture conditions on swale flow hydrographs. Hydrological Processes, 2018, 32, 644-654.  | 2.6  | 22        |
| 285 | Open data and stormwater systems in Los Angeles: applications for equitable green infrastructure. Local Environment, 2018, 23, 505-517.  | 2.4  | 24        |
| 286 | Sustainability-Oriented Urban Renewal and Low-Impact Development Applications in China: Case Study of Yangpu District, Shanghai. Journal of Sustainable Water in the Built Environment, 2018, 4, . | 1.6  | 10        |
| 287 | Impact of Low-Impact Development Technologies from an Ecological Perspective in Different Residential Zones of the City of Atlanta, Georgia. Engineering, 2018, 4, 194-199.                        | 6.7  | 3         |
| 288 | Assessing hydrological effects and performance of low impact development practices based on future scenarios modeling. Journal of Cleaner Production, 2018, 179, 12-23.                            | 9.3  | 108       |
| 289 | The leaf phenophase of deciduous species altered by land pavements. International Journal of Biometeorology, 2018, 62, 949-959.  | 3.0  | 10        |
| 290 | A simulation-based real-time control system for reducing urban runoff pollution through a stormwater storage tank. Journal of Cleaner Production, 2018, 183, 641-652.                              | 9.3  | 50        |
| 291 | Urban pluvial flooding and stormwater management: A contemporary review of China's challenges and "sponge cities" strategy. Environmental Science and Policy, 2018, 80, 132-143.                   | 4.9  | 275       |
| 292 | An empirical study of the variables affecting site planning and design in green buildings. Journal of Cleaner Production, 2018, 175, 314-323.  | 9.3  | 21        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 293 | Use of intertidal habitat by four species of shorebirds in an experimental array of oyster racks, reefs and controls on Delaware Bay, New Jersey: Avoidance of oyster racks. <i>Science of the Total Environment</i> , 2018, 624, 1234-1243.                    | 8.0  | 8         |
| 294 | A comprehensive review of spatial allocation of LID-BMP-GI practices: Strategies and optimization tools. <i>Science of the Total Environment</i> , 2018, 621, 915-929.  | 8.0  | 150       |
| 295 | Green Infrastructure: Cost-Effective Nature-Based Solutions for Safeguarding the Environment and Protecting Human Health and Well-Being. , 2018, , 1-27.  |      | 5         |
| 296 | Optimizing surface and contributing areas of bioretention cells for stormwater runoff quality and quantity management. <i>Journal of Environmental Management</i> , 2018, 206, 1090-1103.   | 7.8  | 62        |
| 297 | Retention performances of green roofs worldwide at different time scales. <i>Land Degradation and Development</i> , 2018, 29, 1940-1952.  | 3.9  | 24        |
| 298 | What drives the location choice for water sensitive infrastructure in Melbourne, Australia?. <i>Landscape and Urban Planning</i> , 2018, 175, 92-101.   | 7.5  | 48        |
| 299 | Engineered headwaters can act as sources of dissolved organic matter and nitrogen to urban stream networks. <i>Limnology and Oceanography Letters</i> , 2018, 3, 215-224.   | 3.9  | 27        |
| 300 | Low-density housing in sustainable urban planning – Scaling down to private gardens by using the green infrastructure concept. <i>Land Use Policy</i> , 2018, 75, 478-485.  | 5.6  | 23        |
| 301 | Stormwater disinfection using electrochemical oxidation: A feasibility investigation. <i>Water Research</i> , 2018, 140, 301-310.   | 11.3 | 35        |
| 302 | Modeling framework for representing long-term effectiveness of best management practices in addressing hydrology and water quality problems: Framework development and demonstration using a Bayesian method. <i>Journal of Hydrology</i> , 2018, 560, 530-545. | 5.4  | 49        |
| 303 | Enhancing Adoption Studies: The Case of Residential Stormwater Management Practices in the Midwest. <i>Agricultural and Resource Economics Review</i> , 2018, 47, 32-65.  | 1.1  | 13        |
| 304 | Metal accumulation and hydraulic performance of bioretention systems after long-term operation. <i>Journal of Soils and Sediments</i> , 2018, 18, 431-441.  | 3.0  | 33        |
| 305 | Conventional and holistic urban stormwater management in coastal cities: a case study of the practice in Hong Kong and Singapore. <i>International Journal of Water Resources Development</i> , 2018, 34, 192-212.  | 2.0  | 28        |
| 306 | Green infrastructure and its catchment-scale effects: an emerging science. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, 1254.   | 6.5  | 108       |
| 307 | Bioretention Media for Enhanced Permeability and Phosphorus Sorption from Synthetic Urban Stormwater. <i>Journal of Sustainable Water in the Built Environment</i> , 2018, 4, .   | 1.6  | 14        |
| 308 | GIS based optimal impervious surface map generation using various spatial data for urban nonpoint source management. <i>Journal of Environmental Management</i> , 2018, 206, 587-601.   | 7.8  | 16        |
| 309 | Mitigating Soil Erosion Caused by Artificial Disturbances in Hilly Lake Environs: Scenario Approach to LID Planning. <i>Journal of Sustainable Water in the Built Environment</i> , 2018, 4, .  | 1.6  | 2         |
| 310 | Evaluation of turfgrid porous pavements for urban stormwater management in Xiamen Island, Southeast China. <i>Sustainable Water Resources Management</i> , 2018, 4, 617-626.  | 2.1  | 2         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 311 | Removal Process of Nutrients and Heavy Metals in Tropical Biofilters. E3S Web of Conferences, 2018, 65, 05026.   | 0.5 | 4         |
| 312 | Prediction of Life Cycle Carbon Emissions of Sponge City Projects: A Case Study in Shanghai, China. Sustainability, 2018, 10, 3978.  | 3.2 | 21        |
| 313 | Evaluating the Road-Bioretenion Strip System from a Hydraulic Perspective—Case Studies. Water (Switzerland), 2018, 10, 1778.   | 2.7 | 8         |
| 314 | Assessing Stormwater Nutrient and Heavy Metal Plant Uptake in an Experimental Bioretention Pond. Land, 2018, 7, 150.   | 2.9 | 18        |
| 315 | Cumulative Effects of Low Impact Development on Watershed Hydrology in a Mixed Land-Cover System. Water (Switzerland), 2018, 10, 991.  | 2.7 | 28        |
| 316 | Effect of a Submerged Zone and Carbon Source on Nutrient and Metal Removal for Stormwater by Bioretention Cells. Water (Switzerland), 2018, 10, 1629.                                      | 2.7 | 37        |
| 317 | Investigation of Particle-Related Clogging of Sustainable Concrete Pavements. Sustainability, 2018, 10, 4845.  | 3.2 | 9         |
| 318 | A Site Scale Integrated Decision Support Tool for Urban Stormwater Management. , 2018, , .   |     | 0         |
| 319 | Research on the goal of urban water system governance system construction-Taking Jinan sponge city as an example. IOP Conference Series: Earth and Environmental Science, 0, 191, 012068.  | 0.3 | 1         |
| 320 | A Comprehensive Review of Low Impact Development Models for Research, Conceptual, Preliminary and Detailed Design Applications. Water (Switzerland), 2018, 10, 1541.                       | 2.7 | 54        |
| 321 | Spatiotemporal Variance Assessment of Urban Rainstorm Waterlogging Affected by Impervious Surface Expansion: A Case Study of Guangzhou, China. Sustainability, 2018, 10, 3761.             | 3.2 | 60        |
| 322 | Green urban planning strategies for climate change resilience of the Catania metropolitan area. Acta Horticulturae, 2018, , 207-212.   | 0.2 | 0         |
| 323 | Modeling Urban Hydrology and Green Infrastructure Using the AGWA Urban Tool and the KINEROS2 Model. Frontiers in Built Environment, 2018, 4, 1-15.   | 2.3 | 44        |
| 324 | The Hydrologic Role of Urban Green Space in Mitigating Flooding (Luohe, China). Sustainability, 2018, 10, 3584.  | 3.2 | 40        |
| 325 | Improving Restorative Maintenance Practices for Mature Permeable Interlocking Concrete Pavements. Water (Switzerland), 2018, 10, 1588.   | 2.7 | 14        |
| 326 | Electrochemical oxidation for stormwater disinfection: How does real stormwater chemistry impact on pathogen removal and disinfection by-products level?. Chemosphere, 2018, 213, 226-234. | 8.2 | 15        |
| 327 | Evaluating performances of green roofs for stormwater runoff mitigation in a high flood risk urban catchment. Journal of Hydrology, 2018, 566, 830-845.                                    | 5.4 | 82        |
| 328 | Modeling the Runoff Reduction Effect of Low Impact Development Installations in an Industrial Area, South Korea. Water (Switzerland), 2018, 10, 967.                                       | 2.7 | 12        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 329 | Laboratory Study on the Performance of Bioretention for Stormwater Management in Cold Climates. , 2018, , .  |     | 1         |
| 330 | Assessment and Determinants of Residential Satisfaction with Sponge-Style Old Community Renewal: A Case Study in Zhenjiang, China. , 2018, , .   |     | 1         |
| 331 | Application of CityDrain3 in Flood Simulation of Sponge Polders: A Case Study of Kunshan, China. Water (Switzerland), 2018, 10, 507.   | 2.7 | 7         |
| 332 | Effectiveness of low-impact development for urban inundation risk mitigation under different scenarios: a case study in Shenzhen, China. Natural Hazards and Earth System Sciences, 2018, 18, 2525-2536. | 3.6 | 47        |
| 333 | Managed Aquifer Recharge as a Tool to Enhance Sustainable Groundwater Management in California. Advances in Chemical Pollution, Environmental Management and Protection, 2018, 3, 215-275.               | 0.5 | 18        |
| 334 | Effect of Green Roof Configuration and Hydrological Variables on Runoff Water Quantity and Quality. Water (Switzerland), 2018, 10, 960.  | 2.7 | 26        |
| 335 | From the household to watershed: A cross-scale analysis of residential intention to adopt green stormwater infrastructure. Landscape and Urban Planning, 2018, 180, 195-206.                             | 7.5 | 32        |
| 336 | Evaluating the Hydrologic Performance of Low Impact Development Scenarios in a Micro Urban Catchment. International Journal of Environmental Research and Public Health, 2018, 15, 273.                  | 2.6 | 23        |
| 337 | Ecosystem service of green infrastructure for adaptation to urban growth: function and configuration. Ecosystem Health and Sustainability, 2018, 4, 132-143.   | 3.1 | 45        |
| 338 | Decision Support System for the Design and Planning of Low-Impact Development Practices: The Case of Seoul. Water (Switzerland), 2018, 10, 146.  | 2.7 | 10        |
| 339 | Hydrodynamic modeling of the impact of residential rainwater harvesting systems on stormwater runoff and drainage networks. E3S Web of Conferences, 2018, 45, 00089.                                     | 0.5 | 1         |
| 340 | Green City Vision, Strategy, and Planning. Strategies for Sustainability, 2018, , 19-38.   | 0.3 | 3         |
| 341 | High-resolution modelling of the grass swale response to runoff inflows with Mike SHE. Journal of Hydrology, 2018, 562, 411-422.   | 5.4 | 38        |
| 342 | Hydrologic Evaluation of Residential Rain Gardens Using a Stormwater Runoff Simulator. Transactions of the ASABE, 2018, 61, 495-508.   | 1.1 | 4         |
| 343 | Integrated hydro-environmental impact assessment and alternative selection of low impact development practices in small urban catchments. Journal of Environmental Management, 2018, 223, 324-337.       | 7.8 | 33        |
| 344 | Stormwater capture and antecedent moisture characteristics of permeable pavements. Hydrological Processes, 2018, 32, 2708-2720.  | 2.6 | 17        |
| 345 | Drainage area characterization for evaluating green infrastructure using the Storm Water Management Model. Hydrology and Earth System Sciences, 2018, 22, 2615-2635.                                     | 4.9 | 25        |
| 346 | Impact of LID Implementation on Water Quality in Alibeyk y Watershed in Istanbul, Turkey. Environmental Processes, 2018, 5, 201-212.   | 3.5 | 15        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 347 | Hydrological behaviour of rain gardens and plant suitability: A study in the Veneto plain (north-eastern Italy) conditions. Urban Forestry and Urban Greening, 2018, 34, 121-133.                   | 5.3  | 19        |
| 348 | Flood Damage Reduction in Urban Areas with Use of Low Impact Development Designs. , 2018, , .   |      | 5         |
| 350 | Pluvial flood risk and opportunities for resilience. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1302.  | 6.5  | 121       |
| 351 | Experimental study and simulation of phosphorus purification effects of bioretention systems on urban surface runoff. PLoS ONE, 2018, 13, e0196339.   | 2.5  | 11        |
| 352 | Urbanization and climate change impacts on surface water quality: Enhancing the resilience by reducing impervious surfaces. Water Research, 2018, 144, 491-502.                                     | 11.3 | 153       |
| 353 | Optimal Design of LIDs in Urban Stormwater Systems Using a Harmony-Search Decision Support System. Water Resources Management, 2018, 32, 4933-4951.   | 3.9  | 40        |
| 354 | Optimization of low impact development layout designs for megacity flood mitigation. Journal of Hydrology, 2018, 564, 542-558.  | 5.4  | 99        |
| 355 | Technological Review of Permeable Pavement Systems for Applications in Small Island Developing States. Clean - Soil, Air, Water, 2018, 46, 1700168.   | 1.1  | 11        |
| 356 | Investigating the Influence of Various Stormwater Runoff Control Facilities on Runoff Control Efficiency in a Small Catchment Area. Sustainability, 2018, 10, 407.                                  | 3.2  | 11        |
| 357 | Modeling the Effects of Introducing Low Impact Development in a Tropical City: A Case Study from Joinville, Brazil. Sustainability, 2018, 10, 728.  | 3.2  | 51        |
| 358 | A Systematic Literature Mining of Sponge City: Trends, Foci and Challenges Standing Ahead. Sustainability, 2018, 10, 1182.  | 3.2  | 18        |
| 359 | Ecological Wisdom and Inspiration Underlying the Planning and Construction of Ancient Human Settlements: Case Study of Hongcun UNESCO World Heritage Site in China. Sustainability, 2018, 10, 1345. | 3.2  | 26        |
| 360 | Potential of Biofilters for Treatment of De-Icing Chemicals. Water (Switzerland), 2018, 10, 620.  | 2.7  | 7         |
| 361 | Role of Low-Impact Development in Generation and Control of Urban Diffuse Pollution in a Pilot Sponge City: A Paired-Catchment Study. Water (Switzerland), 2018, 10, 852.                           | 2.7  | 10        |
| 362 | Simulation of Rain Garden Effects in Urbanized Area Based on Mike Flood. Water (Switzerland), 2018, 10, 860.  | 2.7  | 9         |
| 363 | Low-Impact Development Effects on Aquifer Recharge Using Coupled Surface and Groundwater Models. Journal of Hydrologic Engineering - ASCE, 2018, 23, .  | 1.9  | 19        |
| 364 | Challenges to implementing urban sustainable stormwater management from a governance perspective: A literature review. Journal of Cleaner Production, 2018, 196, 943-952.                           | 9.3  | 101       |
| 365 | Linking hydrological and bioecological benefits of green infrastructures across spatial scales â€“ A literature review. Science of the Total Environment, 2019, 646, 1219-1231.                     | 8.0  | 73        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 366 | Electrochemical oxidation disinfects urban stormwater: Major disinfection mechanisms and longevity tests. <i>Science of the Total Environment</i> , 2019, 646, 1440-1447.  | 8.0  | 23        |
| 367 | Changes in long-term water quality of Baltimore streams are associated with both gray and green infrastructure. <i>Limnology and Oceanography</i> , 2019, 64, S60.   | 3.1  | 22        |
| 368 | A new framework for the optimal management of urban runoff with low-impact development stormwater control measures considering service-performance reduction. <i>Journal of Hydroinformatics</i> , 2019, 21, 727-744.                            | 2.4  | 33        |
| 369 | Investigation on the Properties and Distribution of Air Voids in Porous Asphalt with Relevance to the Pb(II) Removal Performance. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-13.                                       | 1.8  | 5         |
| 370 | Increasing Sustainability of Residential Areas Using Rain Gardens to Improve Pollutant Capture, Biodiversity and Ecosystem Resilience. <i>Sustainability</i> , 2019, 11, 3269.   | 3.2  | 21        |
| 371 | Castles built on sand or predictive limnology in action? Part B: Designing the next monitoring-modelling-assessment cycle of adaptive management in Lake Erie. <i>Ecological Informatics</i> , 2019, 53, 100969.                                 | 5.2  | 4         |
| 372 | A Quantityâ€‘Quality Model to Assess the Effects of Source Control Stormwater Management on Hydrology and Water Quality at the Catchment Scale. <i>Water (Switzerland)</i> , 2019, 11, 1415.   | 2.7  | 36        |
| 373 | Mapping the city-scale supply and demand of ecosystem flood regulation servicesâ€‘A case study in Shanghai. <i>Ecological Indicators</i> , 2019, 106, 105544.  | 6.3  | 54        |
| 374 | The Effects of Urbanization and Retentionâ€‘Based Stormwater Management on Coastal Plain Stream Nutrient Export. <i>Water Resources Research</i> , 2019, 55, 7027-7046.  | 4.2  | 17        |
| 375 | The Multifunctional Benefits of Green Infrastructure in Community Development: An Analytical Review Based on 447 Cases. <i>Sustainability</i> , 2019, 11, 3917.  | 3.2  | 61        |
| 376 | Governance factors of sustainable stormwater management: A study of case cities in China and Sweden. <i>Journal of Environmental Management</i> , 2019, 248, 109249.   | 7.8  | 38        |
| 377 | Assessing Watershed-Scale Stormwater Green Infrastructure Response to Climate Change in Clarksburg, Maryland. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .  | 2.6  | 21        |
| 378 | Does sponge-style old community renewal lead to a satisfying life for residents? An investigation in Zhenjiang, China. <i>Habitat International</i> , 2019, 90, 102004.  | 5.8  | 21        |
| 379 | A Comparison of Three Types of Permeable Pavements for Urban Runoff Mitigation in the Semi-Arid South Texas, U.S.A. <i>Water (Switzerland)</i> , 2019, 11, 1992.   | 2.7  | 20        |
| 380 | Evaluation of an enhanced treatment media and permeable pavement base to remove stormwater nitrogen, phosphorus, and metals under simulated rainfall. <i>Water Research</i> , 2019, 166, 115071.   | 11.3 | 26        |
| 381 | Assessing storage requirements, water and energy savings, and costs associated with a residential rainwater harvesting system deployed across two counties in Southeast Florida. <i>Journal of Environmental Management</i> , 2019, 252, 109673. | 7.8  | 38        |
| 382 | The Influence of Urban Flooding on Residentsâ€™ Daily Travel: A Case Study of Macau with Proposed Ameliorative Strategies. <i>Water (Switzerland)</i> , 2019, 11, 1825.  | 2.7  | 1         |
| 383 | Spatial Optimization of Low-Impact Development Facilities Based on a p-Median Model and an Ant Colony Optimization. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .  | 1.9  | 14        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 384 | Effects of Early Structural Changes of Engineered Soils on Green Roof and Bioretention Performance. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012086.                   | 0.3 | 1         |
| 385 | Rainwater storage/infiltration function of rain gardens for management of urban storm runoff in Japan. Landscape and Ecological Engineering, 2019, 15, 421-435.                                  | 1.5 | 27        |
| 386 | Capture of stormwater runoff and pollutants by three types of urban best management practices. Journal of Soils and Water Conservation, 2019, 74, 487-499.                                       | 1.6 | 5         |
| 387 | Fecal indicator bacteria and virus removal in stormwater biofilters: Effects of biochar, media saturation, and field conditioning. PLoS ONE, 2019, 14, e0222719.                                 | 2.5 | 28        |
| 388 | Experimental investigation for impacts of rain storms and terrain slopes on low impact development effect in an idealized urban catchment. Journal of Hydrology, 2019, 579, 124176.              | 5.4 | 23        |
| 389 | Site-Scale Integrated Decision Support Tool (i-DSTss) for Stormwater Management. Water (Switzerland), 2019, 11, 2022.  | 2.7 | 17        |
| 390 | The importance of city trees for reducing net rainfall: comparing measurements and simulations. Hydrology and Earth System Sciences, 2019, 23, 3865-3884.  | 4.9 | 10        |
| 391 | An approach to the implementation of Low Impact Development measures towards an EcoCampus classification. Journal of Environmental Management, 2019, 232, 654-659.                               | 7.8 | 16        |
| 392 | Design of water reuse storage facilities in Sustainable Urban Drainage Systems from a volumetric water balance perspective. Science of the Total Environment, 2019, 663, 133-143.                | 8.0 | 20        |
| 393 | Green infrastructure practices simulation of the impacts of land use on surface runoff: Case study in Ecorse River watershed, Michigan. Journal of Environmental Management, 2019, 233, 603-611. | 7.8 | 30        |
| 394 | Performance Assessment of a Laboratory Scale Prototype Biofiltration System in Tropical Region. Sustainability, 2019, 11, 1947.  | 3.2 | 7         |
| 395 | Comparison of Field Infiltration Test Methods for Permeable Pavement: Towards an Easy and Accurate Method. Clean - Soil, Air, Water, 2019, 47, 1900174.  | 1.1 | 7         |
| 396 | Evaluating Sponge City volume capture ratio at the catchment scale using SWMM. Journal of Environmental Management, 2019, 246, 745-757.  | 7.8 | 67        |
| 397 | Understanding spatiotemporal variability of in-stream water quality in urban environments – A case study of Melbourne, Australia. Journal of Environmental Management, 2019, 246, 203-213.       | 7.8 | 30        |
| 398 | Modeling effects of low impact development on road salt transport at watershed scale. Journal of Hydrology, 2019, 574, 1164-1175.  | 5.4 | 14        |
| 399 | Identifying Key Factors for Implementation and Maintenance of Green Stormwater Infrastructure. Journal of Sustainable Water in the Built Environment, 2019, 5, .                                 | 1.6 | 17        |
| 400 | Model-Based Selection of Cost-Effective Low Impact Development Strategies to Control Water Balance. Sustainability, 2019, 11, 2440.  | 3.2 | 23        |
| 401 | A Retrospective Comparison of Water Quality Treatment in a Bioretention Cell 16 Years Following Initial Analysis. Sustainability, 2019, 11, 1945.  | 3.2 | 25        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 402 | Urban Sustainable Development Based on the Framework of Sponge City: 71 Case Studies in China. Sustainability, 2019, 11, 1544.   | 3.2 | 20        |
| 403 | Remediation of Stormwater Pollutants by Porous Asphalt Pavement. Water (Switzerland), 2019, 11, 520.   | 2.7 | 17        |
| 404 | Developing a modeling tool to allocate Low Impact Development practices in a cost-optimized method. Journal of Hydrology, 2019, 573, 98-108.   | 5.4 | 22        |
| 405 | Quantifying Thermal Characteristics of Stormwater through Low Impact Development Systems. Hydrology, 2019, 6, 16.  | 3.0 | 8         |
| 406 | Reprint of : Hydrological behaviour of rain gardens and plant suitability: A study in the Veneto plain (north-eastern Italy) conditions. Urban Forestry and Urban Greening, 2019, 37, 74-86.                             | 5.3 | 15        |
| 407 | Ex-situ estimation of interception storage capacity of small urban plant species. Journal of Hydrology, 2019, 572, 869-883.  | 5.4 | 6         |
| 408 | A review of bioretention components and nutrient removal under different climatesâ€”future directions for tropics. Environmental Science and Pollution Research, 2019, 26, 14904-14919.                                  | 5.3 | 44        |
| 409 | Processes improving urban stormwater quality in grass swales and filter strips: A review of research findings. Science of the Total Environment, 2019, 669, 431-447.   | 8.0 | 64        |
| 410 | Barriers to green infrastructure development and planning in two Ethiopian cities: Bahir Dar and Hawassa. Urban Ecosystems, 2019, 22, 657-669.   | 2.4 | 12        |
| 411 | High-Flow Structural Media for Removing Stormwater-Dissolved Phosphorous in Permeable Paving. Journal of Sustainable Water in the Built Environment, 2019, 5, 04019001.  | 1.6 | 3         |
| 412 | Constructing the Ecological Security Pattern for Sponge City: A Case Study in Zhengzhou, China. Water (Switzerland), 2019, 11, 284.  | 2.7 | 36        |
| 413 | State of provincial regulations and guidelines to promote low impact development (LID) alternatives across Canada: Content analysis and comparative assessment. Journal of Environmental Management, 2019, 235, 389-402. | 7.8 | 24        |
| 414 | The influence of climate on the effectiveness of low impact development: A systematic review. Journal of Environmental Management, 2019, 236, 365-379.   | 7.8 | 76        |
| 415 | Development of a scenario-based stormwater management planning support system for reducing combined sewer overflows (CSOs). Journal of Environmental Management, 2019, 236, 571-580.                                     | 7.8 | 47        |
| 416 | Adaptation strategies and approaches for forested watersheds. Climate Services, 2019, 13, 51-64.   | 2.5 | 21        |
| 417 | Comprehensive Performance Evaluation System Based on Environmental and Economic Benefits for Optimal Allocation of LID Facilities. Water (Switzerland), 2019, 11, 341.   | 2.7 | 33        |
| 418 | Evaluation of the effectiveness of green infrastructure on hydrology and water quality in a combined sewer overflow community. Science of the Total Environment, 2019, 665, 69-79.                                       | 8.0 | 48        |
| 419 | Rain Gardens as Stormwater Management Tool. , 2019, , 141-166.   |     | 17        |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 420 | The Role of Renewables in a Low-Carbon Society: Evidence from a Multivariate Panel Data Analysis at the EU Level. Sustainability, 2019, 11, 5260.  | 3.2  | 18        |
| 421 | Choosing the LID for Urban Storm Management in the South of Taiyuan Basin by Comparing the Storm Water Reduction Efficiency. Water (Switzerland), 2019, 11, 2583.                                      | 2.7  | 9         |
| 422 | Challenges and Potentials for Technology Advancement of Bioretention Cells in Stormwater Management. , 2019, , .   |      | 0         |
| 423 | Study on the Ecological Landscape Design of Yawei Creek Wetland Based on LID. IOP Conference Series: Earth and Environmental Science, 2019, 330, 022115.   | 0.3  | 0         |
| 424 | The Effects of Rainfall Runoff Pollutants on Plant Physiology in a Bioretention System Based on Pilot Experiments. Sustainability, 2019, 11, 6402.   | 3.2  | 10        |
| 425 | Urban Runoff and Pollutant Reduction by Retrofitting Green Infrastructure in Storm Water Management System. , 2019, , .  |      | 3         |
| 426 | WinSLAMM Simulation of Hydrologic Performance of Permeable Pavementsâ€”A Case Study in the Semi-Arid Lower Rio Grande Valley of South Texas, United States. Water (Switzerland), 2019, 11, 1865.       | 2.7  | 6         |
| 427 | Performance of low-impact development best management practices: a critical review. Environmental Reviews, 2019, 27, 17-42.  | 4.5  | 29        |
| 428 | Biochar and Water Quality. Journal of Environmental Quality, 2019, 48, 2-15.   | 2.0  | 35        |
| 429 | Progress on environmental and economic evaluation of low-impact development type of best management practices through a life cycle perspective. Journal of Cleaner Production, 2019, 213, 1103-1114.   | 9.3  | 51        |
| 430 | Mapping the capacity of concave green land in mitigating urban pluvial floods and its beneficiaries. Sustainable Cities and Society, 2019, 44, 774-782.  | 10.4 | 46        |
| 431 | Effects of Stormwater Capture and Use on Urban Streamflows. Water Resources Management, 2019, 33, 713-723.   | 3.9  | 7         |
| 432 | Multi Criteria Decision Making in Selecting Stormwater Management Green Infrastructure for Industrial Areas Part 1: Stakeholder Preference Elicitation. Water Resources Management, 2019, 33, 627-639. | 3.9  | 21        |
| 433 | An assessment of the hydrologic effectiveness of low impact development (LID) practices for managing runoff with different objectives. Journal of Environmental Management, 2019, 231, 504-514.        | 7.8  | 68        |
| 434 | Estimating infiltration increase and runoff reduction due to green infrastructure. Journal of Water and Climate Change, 2019, 10, 237-242.   | 2.9  | 9         |
| 435 | Adaptation Strategies to Address Rising Water Tables in Coastal Environments Under Future Climate and Sea-Level Rise Scenarios. , 2019, , 403-409.   |      | 5         |
| 436 | City storm-flood events in China, 1984â€”2015. International Journal of Water Resources Development, 2019, 35, 605-618.  | 2.0  | 12        |
| 437 | Application of low impact development technology in rainwater drainage system reconstruction project. Cluster Computing, 2019, 22, 533-543.  | 5.0  | 2         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 438 | A panel data analysis of a spatial measurement of green infrastructure and its potential effectiveness on peak streamflow. <i>Environment, Development and Sustainability</i> , 2020, 22, 469-500.                       | 5.0 | 4         |
| 439 | Low Impact Development and Rainwater Harvesting. <i>Springer Hydrogeology</i> , 2020, , 765-825.   | 0.3 | 2         |
| 440 | Evaluating the effect of urban flooding reduction strategies in response to design rainfall and low impact development. <i>Journal of Cleaner Production</i> , 2020, 242, 118515.  | 9.3 | 84        |
| 441 | Optimal design of low impact development practices in response to climate change. <i>Journal of Hydrology</i> , 2020, 580, 124266.   | 5.4 | 69        |
| 442 | A critical state-of-the-art review of durability and functionality of open-graded friction course mixtures. <i>Construction and Building Materials</i> , 2020, 237, 117759.  | 7.2 | 71        |
| 443 | Effects of low-impact development practices for flood events at the catchment scale in a highly developed urban area. <i>International Journal of Disaster Risk Reduction</i> , 2020, 44, 101412.                        | 3.9 | 34        |
| 444 | Global sensitivity analysis of KINEROS2 hydrologic model parameters representing green infrastructure using the STAR-VARS framework. <i>Environmental Modelling and Software</i> , 2020, 132, 104814.                    | 4.5 | 10        |
| 445 | Assessment of clogging of permeable pavements by measuring change in permeability. <i>Science of the Total Environment</i> , 2020, 749, 141352.  | 8.0 | 14        |
| 446 | Graph Learning-Based Ontology Sparse Vector Computing. <i>Symmetry</i> , 2020, 12, 1562.   | 2.2 | 2         |
| 447 | Addressing Challenges of Urban Water Management in Chinese Sponge Cities via Nature-Based Solutions. <i>Water (Switzerland)</i> , 2020, 12, 2788.  | 2.7 | 72        |
| 448 | Highly Resolved Rainfall-Runoff Simulation of Retrofitted Green Stormwater Infrastructure at the Micro-Watershed Scale. <i>Land</i> , 2020, 9, 339.  | 2.9 | 19        |
| 449 | Evaluating Pollutant Concentrations in Urban Streams. , 2020, , .  |     | 0         |
| 450 | Hydrological impact assessment on permeable road pavement with subsurface precast micro-detention pond. <i>Water and Environment Journal</i> , 2020, 34, 960-969.  | 2.2 | 5         |
| 451 | Biophilic streets: a design framework for creating multiple urban benefits. <i>Sustainable Earth</i> , 2020, 3, .  | 2.3 | 20        |
| 452 | Analysis of potential benefits on flood mitigation of a CAM green roof in Mediterranean urban areas. <i>Building and Environment</i> , 2020, 183, 107179.  | 6.9 | 24        |
| 453 | Research Progress of Low Impact Development Technology. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 474, 052033.   | 0.3 | 3         |
| 454 | Urbanizationâ€™s Hidden Impact on Water Losses: PrÄdnik River Basin, Lesser Poland. <i>Water (Switzerland)</i> , 2020, 12, 1958.  | 2.7 | 13        |
| 455 | Analysis of Challenges and Opportunities for Low-Impact Development Techniques in Urbanizing Catchments of the Coastal City of Chennai, India: Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, . | 1.9 | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 456 | Incorporating External Green Infrastructure Models into Storm Water Management Model (SWMM) Simulations Using Interface Files. Journal of the American Water Resources Association, 2020, 56, 1083-1093.      | 2.4 | 6         |
| 457 | A User-Friendly Software Package to Develop Storm Water Management Model (SWMM) Inputs and Suggest Low Impact Development Scenarios. Water (Switzerland), 2020, 12, 2344.                                     | 2.7 | 7         |
| 458 | Study on Water Absorption&quot;Dehydration Characteristics for SAP Composite Soil for Rainwater Harvesting. Water (Switzerland), 2020, 12, 2380.  | 2.7 | 0         |
| 459 | Evaluating the performance of low impact development practices in urban runoff mitigation through distributed and combined implementation. Journal of Hydroinformatics, 2020, 22, 1506-1520.                  | 2.4 | 15        |
| 460 | Urban Flooding Mitigation Techniques: A Systematic Review and Future Studies. Water (Switzerland), 2020, 12, 3579.  | 2.7 | 44        |
| 461 | Experimenting Transition to Sustainable Urban Drainage Systems&quot;Identifying Constraints and Unintended Processes in a Tropical Highly Urbanized Watershed. Water (Switzerland), 2020, 12, 3554.           | 2.7 | 10        |
| 462 | Sustainable Use of Wastewater in Agriculture: A Bibliometric Analysis of Worldwide Research. Sustainability, 2020, 12, 8948.  | 3.2 | 21        |
| 463 | Comprehensive Assessment of Water Sensitive Urban Design Practices based on Multi-criteria Decision Analysis via a Case Study of the University of Melbourne, Australia. Water (Switzerland), 2020, 12, 2885. | 2.7 | 11        |
| 464 | Developing a Reliability Index of Low Impact Development for Urban Areas. Water (Switzerland), 2020, 12, 2961.  | 2.7 | 4         |
| 465 | Sustainable Urban Street Comprising Permeable Pavement and Bioretention Facilities: A Practice. Sustainability, 2020, 12, 8288.   | 3.2 | 11        |
| 466 | Coastal and Freshwater Flood Models: A Review in the Context of NBS. , 2020, , 210-246.   |     | 0         |
| 467 | Removing nitrogen and phosphorus simultaneously in stormwater runoff using permeable asphalt pavement system with a zeolite-regulated reservoir. Journal of Water Reuse and Desalination, 2020, 10, 106-119.  | 2.3 | 3         |
| 468 | Stormwater runoff and pollution retention performances of permeable pavements and the effects of structural factors. Environmental Science and Pollution Research, 2020, 27, 30831-30843.                     | 5.3 | 24        |
| 469 | The hydrologic, water quality and flow regime performance of a bioretention basin in Melbourne, Australia. Urban Water Journal, 2020, 17, 303-314.  | 2.1 | 9         |
| 470 | Urbanizing River Channels. , 2020, , .  |     | 0         |
| 471 | Comparing floodplain evolution in channelized and unchannelized urban watersheds in Houston, Texas. Journal of Flood Risk Management, 2020, 13, e12604.   | 3.3 | 22        |
| 472 | The Influence of Slope Profile on Rain Gardens&quot;™ Hydrological Performance. , 2020, , .   |     | 1         |
| 473 | A GIS-Based Approach for Determining Potential Runoff Coefficient and Runoff Depth for the Indian River Lagoon, Florida, USA. , 0, , .  |     | 0         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 474 | SWMM Sensitivity to LID Siting and Routing Parameters: Implications for Stormwater Regulatory Compliance. Journal of the American Water Resources Association, 2020, 56, 790-809.                   | 2.4  | 9         |
| 475 | Possibilities of urban flood reduction through distributed-scale rainwater harvesting. Water Science and Engineering, 2020, 13, 95-105.   | 3.2  | 25        |
| 476 | Rethinking Stormwater: Analysis Using the Hydrosocial Cycle. Water (Switzerland), 2020, 12, 1273.   | 2.7  | 12        |
| 477 | The Effect of Climate Change and Urbanization on the Demand for Low Impact Development for Three Canadian Cities. Water (Switzerland), 2020, 12, 1280.  | 2.7  | 18        |
| 478 | Nature-based solutions for urban pluvial flood risk management. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1421.   | 6.5  | 63        |
| 479 | Testing of the Storm Water Management Model Low Impact Development Modules. Journal of the American Water Resources Association, 2020, 56, 283-296.   | 2.4  | 20        |
| 480 | Sustainable Rainwater Management Concept in a Housing Estate with a Financial Feasibility Assessment and Motivational Rainwater Fee System Efficiency Analysis. Water (Switzerland), 2020, 12, 151. | 2.7  | 20        |
| 481 | The capitalized amenity of green infrastructure in single-family housing values: An application of the spatial hedonic pricing method. Urban Forestry and Urban Greening, 2020, 49, 126643.         | 5.3  | 36        |
| 482 | Preparation and Component Optimization of Resin-Based Permeable Brick. Materials, 2020, 13, 2701.   | 2.9  | 2         |
| 483 | Low impact development techniques to mitigate the impacts of climate-change-induced urban floods: Current trends, issues and challenges. Sustainable Cities and Society, 2020, 62, 102373.          | 10.4 | 181       |
| 484 | Flood mitigation function of rain gardens for management of urban storm runoff in Japan. Landscape and Ecological Engineering, 2020, 16, 223-232.   | 1.5  | 8         |
| 485 | Measuring performance of low impact development practices for the surface runoff management. Environmental Science and Ecotechnology, 2020, 1, 100010.  | 13.5 | 27        |
| 486 | Novel Backwashing Maintenance Method for Permeable Concrete Pavement: Two-Year Field Study. Journal of Irrigation and Drainage Engineering - ASCE, 2020, 146, .                                     | 1.0  | 4         |
| 487 | The impact of media, plants and their interactions on bioretention performance: A review. Science of the Total Environment, 2020, 715, 136918.  | 8.0  | 77        |
| 489 | Seasonal drivers of chemical and hydrological patterns in roadside infiltration-based green infrastructure. Science of the Total Environment, 2020, 714, 136503.                                    | 8.0  | 14        |
| 490 | Detailed Quantification of the Reduction Effect of Roof Runoff by Low Impact Development Practices. Water (Switzerland), 2020, 12, 795.   | 2.7  | 10        |
| 491 | Multi-Objective Approach for Determining Optimal Sustainable Urban Drainage Systems Combination at City Scale. The Case of San Luis Potosí (México). Water (Switzerland), 2020, 12, 835.            | 2.7  | 7         |
| 492 | On the Effectiveness of LID Infrastructures for the Attenuation of Urban Flooding at the Catchment Scale. Water Resources Research, 2020, 56, e2020WR027121.  | 4.2  | 36        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 493 | Constructed wetlands for combined sewer overflow treatment: A state-of-the-art review. Science of the Total Environment, 2020, 727, 138618.  | 8.0  | 45        |
| 494 | Assessment of the hydrological response of an urban watershed to rainfall-runoff events in different land use scenarios “ Belo Horizonte, MG, Brazil. Water Science and Technology, 2020, 81, 679-693.     | 2.5  | 13        |
| 495 | A framework to integrate multifunctionality analyses into green infrastructure planning. Landscape Ecology, 2021, 36, 1951-1969.   | 4.2  | 31        |
| 496 | Comprehensive evaluation of stormwater pollutants characteristics, purification process and environmental impact after low impact development practices. Journal of Cleaner Production, 2021, 278, 123509. | 9.3  | 39        |
| 497 | Green Infrastructure: Possible New Approach or Merely New Terminology in Stormwater Management. Journal of Sustainable Water in the Built Environment, 2021, 7, 02520003.                                  | 1.6  | 1         |
| 498 | Long-term performance of bioretention systems in storm runoff management under climate change and life-cycle condition. Sustainable Cities and Society, 2021, 65, 102598.                                  | 10.4 | 13        |
| 499 | Key coastal landscape patterns for reducing flood vulnerability. Science of the Total Environment, 2021, 759, 143454.  | 8.0  | 27        |
| 500 | Conventional and amended bioretention soil media for targeted pollutant treatment: A critical review to guide the state of the practice. Water Research, 2021, 189, 116648.                                | 11.3 | 91        |
| 501 | Planning green infrastructure placement based on projected precipitation data. Journal of Environmental Management, 2021, 279, 111718.   | 7.8  | 15        |
| 502 | Assessment of phosphorus removal performance of subsurface constructed wetland during dry and wet conditions. AIP Conference Proceedings, 2021, , .  | 0.4  | 0         |
| 503 | An analysis of stormwater runoff rehabilitation for integrated BIOECODS using EPA-SWMM. IOP Conference Series: Earth and Environmental Science, 2021, 646, 012048.   | 0.3  | 1         |
| 504 | Perceptions of visual and in situ representations of sea level rise and tidal flooding: the blue line project, Norfolk, Virginia. Geo Journal, 2022, 87, 2081-2099.  | 3.1  | 5         |
| 507 | Bioretention for removal of nitrogen: processes, operational conditions, and strategies for improvement. Environmental Science and Pollution Research, 2021, 28, 10519-10535.                              | 5.3  | 20        |
| 508 | Relationship between compaction and infiltration capacity of amended soil for urban flood damage mitigation. Soil Use and Management, 2022, 38, 1054-1068.   | 4.9  | 1         |
| 509 | Nature-Based Solutions and Real-Time Control: Challenges and Opportunities. Water (Switzerland), 2021, 13, 651.  | 2.7  | 22        |
| 510 | Green infrastructure performance in arid and semi-arid urban environments. Urban Water Journal, 2021, 18, 275-285.   | 2.1  | 18        |
| 511 | Performance of permeable pavement systems on stormwater permeability and pollutant removal. Environmental Science and Pollution Research, 2021, 28, 28571-28584.   | 5.3  | 18        |
| 512 | Next generation swale design for stormwater runoff treatment: A comprehensive approach. Journal of Environmental Management, 2021, 279, 111756.  | 7.8  | 38        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 513 | Optimizing urban stormwater control strategies and assessing aquifer recharge through drywells in an urban watershed. <i>Hydrogeology Journal</i> , 2021, 29, 1379-1398.  | 2.1 | 5         |
| 514 | A review on green pavement hydrological design and recommended permeable pavement with detention storage. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1101, 012014.                 | 0.6 | 4         |
| 515 | Prediction Models Based on Regression and Artificial Neural Network for Moduli of Layers Constituted by Open-Graded Aggregates. <i>Materials</i> , 2021, 14, 1199.  | 2.9 | 2         |
| 516 | Optimal implementation of low impact development for urban stormwater quantity and quality control using multi-objective optimization. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 241.         | 2.7 | 20        |
| 517 | Water footprint and blue-green infrastructure as a tool in urban water management. <i>Ege Üniversitesi Ziraat Fakültesi Dergisi</i> , 2021, 58, 145-162.  | 0.4 | 3         |
| 518 | Advanced Graphical Analytical Method of Pipe Tank Design Integrated with Sensitivity Analysis for Sustainable Stormwater Management in Urbanized Catchments. <i>Water (Switzerland)</i> , 2021, 13, 1035.       | 2.7 | 3         |
| 519 | Role of Sponge City Development in China's battle against urban water pollution: Insights from a transjurisdictional water quality management study. <i>Journal of Cleaner Production</i> , 2021, 294, 126335.  | 9.3 | 12        |
| 520 | Permeable pavement design framework for urban stormwater management considering multiple criteria and uncertainty. <i>Journal of Cleaner Production</i> , 2021, 293, 126114.                                    | 9.3 | 18        |
| 521 | Experimental appraisal for characterizing laboratorial and field performance parameters of pervious concrete pavement. <i>Ambiente Construido</i> , 2021, 21, 177-194.  | 0.4 | 3         |
| 522 | Hybrid SWMM and particle swarm optimization model for urban runoff water quality control by using green infrastructures (LID-BMPs). <i>Urban Forestry and Urban Greening</i> , 2021, 60, 127032.                | 5.3 | 55        |
| 523 | Dynamic Treatment of County Maintenance and Service Facility Stormwater by a Pump-Fed Bioswale System. <i>Journal of Sustainable Water in the Built Environment</i> , 2021, 7, .                                | 1.6 | 4         |
| 524 | Vacant land, flood exposure, and urbanization: Examining land cover change in the Dallas-Fort Worth metro area. <i>Landscape and Urban Planning</i> , 2021, 209, 104047.  | 7.5 | 11        |
| 525 | Evaluating Low-Impact Development practice performance to reduce runoff volume in an urban watershed in Algeria. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.   | 1.3 | 10        |
| 526 | A Three-Dimensional Microstructure Reconstruction Framework for Permeable Pavement Analysis Based on 3D-IWGAN with Enhanced Gradient Penalty. <i>Sensors</i> , 2021, 21, 3603.                                  | 3.8 | 4         |
| 527 | A framework of biophilic urbanism for improving climate change adaptability in urban environments. <i>Urban Forestry and Urban Greening</i> , 2021, 61, 127104.   | 5.3 | 12        |
| 528 | Control of Runoff Peak Flow for Urban Flooding Mitigation. <i>Water (Switzerland)</i> , 2021, 13, 1796.   | 2.7 | 5         |
| 529 | Monitoring and Evaluating Rainfall Runoff Control Effects of a Low Impact Development System in Future Science Park of Beijing. <i>Journal of the American Water Resources Association</i> , 2021, 57, 638-651. | 2.4 | 3         |
| 530 | Investigating the skeleton behaviors of open-graded friction course using discrete element method. <i>Powder Technology</i> , 2021, 385, 528-536.   | 4.2 | 27        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 531 | Hydrological Modeling of Green Infrastructure to Quantify Its Effect on Flood Mitigation and Water Availability in the High School Watershed in Tucson, AZ. ISPRS International Journal of Geo-Information, 2021, 10, 443.                 | 2.9 | 3         |
| 532 | Perspectives of Practitioners on the Green Infrastructure in Mukalla City, Yemen. Malaysian Journal of Social Sciences and Humanities, 2021, 6, 225-236.   | 0.1 | 0         |
| 533 | Enhancing resilience of urban stormwater systems: cost-effectiveness analysis of structural characteristics. Urban Water Journal, 2021, 18, 850-859.   | 2.1 | 4         |
| 534 | A bibliometric analysis of the research on Sponge City: Current situation and future development direction. Ecohydrology, 2021, 14, e2328.   | 2.4 | 61        |
| 535 | Global occurrence of SARS-CoV-2 in environmental aquatic matrices and its implications for sanitation and vulnerabilities in Brazil and developing countries. International Journal of Environmental Health Research, 2022, 32, 2160-2199. | 2.7 | 2         |
| 536 | Contribution of low impact development practices-bioretention systems towards urban flood resilience: case study of Novi Sad, Serbia. Environmental Engineering Research, 2022, 27, 210125-0.  | 2.5 | 5         |
| 537 | Construction of Urban Flooding Prevention System under "One City, One Executor, and One Network" Model: Case Study of Kunming, China. Natural Hazards Review, 2021, 22, .  | 1.5 | 3         |
| 538 | Enhanced nitrogen removal and mitigation of nitrous oxide emission potential in a lab-scale rain garden with internal water storage. Journal of Water Process Engineering, 2021, 42, 102147.   | 5.6 | 17        |
| 539 | Hydrologic Modeling of Distributed Stormwater Control Measure Retrofit and Examination of Impact of Subcatchment Discretization in PCSWMM. Journal of Sustainable Water in the Built Environment, 2021, 7, .                               | 1.6 | 5         |
| 540 | Low Impact Development (LID) Practices: A Review on Recent Developments, Challenges and Prospects. Water, Air, and Soil Pollution, 2021, 232, 1.   | 2.4 | 35        |
| 541 | Exploring the spatial potential of neglected or unmanaged blue spaces in the city of Warsaw, Poland. Urban Forestry and Urban Greening, 2021, 64, 127252.  | 5.3 | 9         |
| 542 | A review of the progress in Chinese Sponge City programme: challenges and opportunities for urban stormwater management. Water Science and Technology: Water Supply, 2022, 22, 1638-1651.  | 2.1 | 17        |
| 543 | Laboratory evaluation of PAHs removal by multi-functional green pervious concrete (MGPC) pavement. Journal of Cleaner Production, 2021, 315, 128032.   | 9.3 | 2         |
| 544 | Integrated urban stormwater management: Evolution and multidisciplinary perspective. Journal of Hydro-Environment Research, 2021, 38, 72-83.   | 2.2 | 17        |
| 545 | Blue-green infrastructure as a new trend and an effective tool for water management in urban areas. Landscape Online, 0, 92, 1-20.   | 0.0 | 8         |
| 546 | YeÅil Altyapı Uygulamaları Kapsamında Biyotutma Sistemlerinin Yağmur Suyu Kirlatici Giderim Verimlerinin Değerlendirilmesi. Kent Akademisi, 0, , .  | 0.6 | 1         |
| 547 | High resolution modeling of the impact of urbanization and green infrastructure on the water and energy balance. Urban Climate, 2021, 39, 100961.  | 5.7 | 8         |
| 548 | Challenges and opportunities for sustaining coastal wetlands and oyster reefs in the southeastern United States. Journal of Environmental Management, 2021, 296, 113178.   | 7.8 | 9         |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 549 | A “green” chameleon: Exploring the many disciplinary definitions, goals, and forms of “green infrastructure”. Landscape and Urban Planning, 2021, 214, 104145.   | 7.5  | 83        |
| 550 | Behaviour of soluble reactive phosphorus within field-scale bioretention systems. Journal of Hydrology, 2021, 601, 126597.   | 5.4  | 4         |
| 551 | Temporal Soil Dynamics in Bioinfiltration Systems. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .   | 1.0  | 6         |
| 552 | Sand Filtration Enhanced by Various Reactive Materials for Bioretention Cell Design Considerations. Journal of Environmental Engineering, ASCE, 2021, 147, .   | 1.4  | 3         |
| 553 | A combined GIS-MCDA approach to prioritize stream water quality interventions, based on the contamination risk and intervention complexity. Science of the Total Environment, 2021, 798, 149322.             | 8.0  | 8         |
| 554 | Improvement of simulating sub-daily hydrological impacts of rainwater harvesting for landscape irrigation with rain barrels/cisterns in the SWAT model. Science of the Total Environment, 2021, 798, 149336. | 8.0  | 9         |
| 555 | Urban Flood Modeling Application: Assess the Effectiveness of Building Regulation in Coping with Urban Flooding Under Precipitation Uncertainty. Sustainable Cities and Society, 2021, 75, 103294.           | 10.4 | 20        |
| 556 | Suitability of Sustainable Agricultural Drainage Systems for adapting agriculture to climate change. Science of the Total Environment, 2022, 805, 150319.  | 8.0  | 2         |
| 557 | Stormwater treatment for reuse: Current practice and future development “ A review. Journal of Environmental Management, 2022, 301, 113830.  | 7.8  | 22        |
| 558 | Component optimization of porous permeable brick in “sponge city”-based on rainfall area division. E3S Web of Conferences, 2021, 237, 03004.   | 0.5  | 0         |
| 559 | Watershed and Landscape Scale Actions for Mitigating Impacts on Urban Salmonids. , 2014, , 227-241.  |      | 1         |
| 560 | Urban Stormwater Management: Practices and Governance. Water Science and Technology Library, 2020, , 115-146.  | 0.3  | 4         |
| 561 | Monitoring Abiotic Inputs and Outputs. Ecological Studies, 2015, , 27-62.  | 1.2  | 4         |
| 563 | Build Sponge Eco-cities to Adapt Hydroclimatic Hazards. , 2015, , 1997-2009.   |      | 4         |
| 564 | Facilitators and Barriers of Applying Low Impact Development Practices in Urban Development. , 2017, 31, 3795.   |      | 1         |
| 565 | Effectiveness of Low Impact Development Practices: Literature Review and Suggestions for Future Research. , 2012, 223, 4253.   |      | 1         |
| 566 | Does the spatial location of green roofs affects runoff mitigation in small urbanized catchments?. Journal of Environmental Management, 2020, 268, 110707.   | 7.8  | 29        |
| 567 | Sustainable urban drainage systems in established city developments: Modelling the potential for CSO reduction and river impact mitigation. Journal of Environmental Management, 2020, 274, 111207.          | 7.8  | 21        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 568 | Impact of Periodic High Concentrations of Salt on Bioretention Water Quality Performance. Journal of Sustainable Water in the Built Environment, 2020, 6, .   | 1.6 | 7         |
| 570 | Transição em infraestruturas urbanas de controle pluvial: uma estratégia paisagística de adaptação às mudanças climáticas. Paisagem E Ambiente, 2014, , 107.  | 0.0 | 4         |
| 571 | Soil releasing as key to rethink water spaces in urban planning. City, Territory and Architecture, 2020, 7, .   | 1.3 | 4         |
| 573 | How Much Is Enough? Minimal Responses of Water Quality and Stream Biota to Partial Retrofit Stormwater Management in a Suburban Neighborhood. PLoS ONE, 2014, 9, e85011.  | 2.5 | 63        |
| 574 | Escherichia coli Removal in Biochar-Modified Biofilters: Effects of Biofilm. PLoS ONE, 2016, 11, e0167489.  | 2.5 | 32        |
| 575 | An Analysis of the water balance of Low Impact Development Techniques According to the Rainfall Types. Journal of Environmental Impact Assessment, 2015, 24, 163-174.   | 0.3 | 1         |
| 576 | Spatial Translation and Scaling Up of Low Impact Development Designs in an Urban Watershed. Journal of Water Management Modeling, 0, , .  | 0.0 | 14        |
| 577 | The Perceptions of Stakeholders in Low Impact Development Planning. Journal of Water Management Modeling, 2011, , .   | 0.0 | 3         |
| 578 | Front-loading urban stormwater management for success - a perspective incorporating current studies on the implementation of retrofit low-impact development. Cities and the Environment, 2008, 1, 1-15.                              | 0.4 | 27        |
| 579 | Water Quality Characteristics of Three Rain Gardens Located Within the Twin Cities Metropolitan Area, Minnesota. Cities and the Environment, 2011, 4, 1-17.   | 0.4 | 7         |
| 580 | Transport of nonpoint source pollutants and stormwater runoff in a hybrid rain garden system. Journal of Wetlands Research, 2016, 18, 481-487.  | 0.2 | 6         |
| 581 | EVALUATION OF THE LONG-TERM POLLUTION REMOVAL PERFORMANCE OF ESTABLISHED BIORETENTION CELLS. International Journal of GEOMATE, 2016, , .  | 0.3 | 2         |
| 582 | INVESTIGATING THE RELATIONSHIP BETWEEN RAINFALL INTENSITY, CATCHMENT VEGETATION AND DEBRIS MOBILITY. International Journal of GEOMATE, 0, , .   | 0.3 | 1         |
| 583 | USING PERMEABLE PAVEMENTS TO REDUCE THE ENVIRONMENTAL IMPACTS OF URBANISATION. International Journal of GEOMATE, 2018, 14, .  | 0.3 | 11        |
| 584 | Sustainable urban drainage approach, focusing on lid techniques, applied to the design of new housing subdivisions in the context of a growing city. International Journal of Sustainable Development and Planning, 2014, 9, 538-552. | 0.7 | 5         |
| 585 | Evaluation of Low Impact Development Using EPA SWMM-LID Modeling. , 0, , .  |     | 1         |
| 586 | Assessment on the Effectiveness of Urban Stormwater Management. Water (Switzerland), 2021, 13, 4.   | 2.7 | 27        |
| 587 | Development of flood inundation area GIS database for Samsung-1 drainage sector, Seoul, Korea. Journal of Korea Water Resources Association, 2016, 49, 981-993.   | 0.2 | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 588 | National LID Atlas: A Collaborative Online Database of Innovative Stormwater Management Practices. Marine Technology Society Journal, 2011, 45, 59-64.   | 0.4 | 13        |
| 589 | Assessment of Climate Technology Demands in Chinese Sponge City. Journal of Geoscience and Environment Protection, 2017, 05, 102-116.  | 0.5 | 11        |
| 590 | Modeling Urban Hydrology: A Comparison of New Urbanist and Traditional Neighborhood Design Surface Runoff. International Journal of Geosciences, 2013, 04, 891-897.  | 0.6 | 3         |
| 591 | Green Infrastructure Practice and a Sustainability Key Performance Indicators Framework for Neighbourhood-Level Construction of Sponge City Programme. Journal of Environmental Protection, 2020, 11, 82-109.                              | 0.7 | 13        |
| 592 | Multi-Objective Optimization of Low Impact Development Designs in an Urbanizing Watershed. Open Journal of Optimization, 2013, 02, 95-108.   | 0.1 | 47        |
| 593 | Examining Potential Residential Participation in Financial Incentives to Mitigate Impervious Surface Effects in Howard County, Maryland. Suburban Sustainability, 2014, 2, .   | 0.2 | 3         |
| 594 | Performance Evaluation of Low Impact Development Practices Using Linear Regression. British Journal of Environment and Climate Change, 2015, 5, 78-90.   | 0.3 | 2         |
| 595 | EPA SWMM-LID Modeling for Low Impact Development. Korean Society of Hazard Mitigation, 2017, 17, 415-424.  | 0.2 | 9         |
| 596 | A Study on the Performance Comparison of the Low Impact Development Facilities for Long-term Stormwater Reduction. Korean Society of Hazard Mitigation, 2017, 17, 337-344.   | 0.2 | 5         |
| 597 | Statistical modelling of hydrological performance in a suite of green infrastructure practices. Water Science and Technology, 2021, 84, 3663-3675.   | 2.5 | 2         |
| 598 | Improving Urban Flood Resilience under Climate Change Scenarios in a Tropical Watershed Using Low-Impact Development Practices. Journal of Hydrologic Engineering - ASCE, 2021, 26, .  | 1.9 | 10        |
| 600 | Diseño y análisis de dos tipologías estructurales para su utilización como estructuras auxiliares en el diseño de jardines. Informes De La Construcción, 2009, 61, 29-40.  | 0.3 | 0         |
| 601 | Alternative Site-Assessment Hydrologic Metrics for Urban Development. , 2010, , .  |     | 0         |
| 602 | Hydrological and Environmental Modeling Analyses of Pervious Pavement Impact in a Coastal City. , 2010, , 367-388.   |     | 1         |
| 603 | Assessment and Restoration Scaling of Stream Services Impaired by the Obed River 2002 Oil Spill. International Oil Spill Conference Proceedings, 2011, 2011, abs39.  | 0.1 | 0         |
| 604 | Introduction and Context. , 2012, , 1-9.   |     | 0         |
| 607 | The PSR-based approach to categorize an urban drainage basin. WIT Transactions on the Built Environment, 2014, , .   | 0.0 | 1         |
| 608 | A Simplified Rainfall-Streamflow Network Model on Multivariate Regression Analysis for Water Level Forecasting in Klong Luang (KGT.19 Station) Sub-watershed, Chon Buri Province, Thailand. Applied Environmental Research, 2014, , 53-65. | 0.6 | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 610 | Key Factors Influencing Low Impact Development Adoption by Local Governments. Journal of Environmental Impact Assessment, 2015, 24, 119-133.   | 0.3 | 2         |
| 612 | Een coherente cartografie voor een geïntegreerd waterbeleid in Brussel. Brussels Studies, 0, , .   | 0.0 | 0         |
| 613 | Une cartographie coh rente pour une gestion int gr e de lâ eau   Bruxelles. Brussels Studies, 0, , .   | 0.0 | 0         |
| 614 | Coherent mapping for integrated water management in Brussels. Brussels Studies, 0, , .   | 0.0 | 0         |
| 615 | Suggestion of Appropriate Design and Maintenance in a Constructed Wetland using Monitoring Results. Journal of Wetlands Research, 2015, 17, 428-435.                                       | 0.2 | 0         |
| 616 | Stormwaters: Management. , 0, , 836-842.   |     | 0         |
| 617 | Adapting Water Infrastructure to Nonstationary Climate Changes. Green Chemistry and Chemical Engineering, 2016, , 307-339.   | 0.0 | 0         |
| 618 | II. Gestion des eaux pluviales urbaines. , 2017, , 191-209.  |     | 0         |
| 619 | Comparison of Stormwater Management in the Community Park between China and Singapore: A Case Study of Hillside Eco Park and Crescent and Pioneer Hall. , 2017, , .                        |     | 0         |
| 622 | The Sustainability of Post-crisis Management on Flooding Prevention. Approaches To Global Sustainability, Markets, and Governance, 2019, , 89-112.   | 0.5 | 1         |
| 623 | Modeling options for rainwater harvesting developments in a public institution as part of sustainable urban water management solutions. Acta Climatologica Et Chorologica, 2019, 53, 5-16. | 0.0 | 0         |
| 624 | Green Infrastructure: Cost-Effective Nature-Based Solutions for Safeguarding the Environment and Protecting Human Health and Well-Being. , 2019, , 1525-1550.                              |     | 2         |
| 625 | Selection of Best Practices for Climate Change Adaptation with Focus on Rainwater Management. World Sustainability Series, 2020, , 915-932.  | 0.4 | 0         |
| 626 | Permeable Coastal Pavement Structure for Shore Protection and Removal of Non-point Source Pollutants. Journal of Ocean Engineering and Technology, 2019, 33, 597-606.                      | 1.2 | 1         |
| 628 | Uso de zeolitas para el control de fuentes no puntuales de contaminaci n del agua: revisi n. Ingenier a Del Agua, 2021, 25, 241-255.   | 0.4 | 0         |
| 629 | The scenario simulations and several problems of the Sponge City construction in semi-arid loess region, Northwest China. Landscape and Ecological Engineering, 2022, 18, 95-108.          | 1.5 | 6         |
| 630 | Hydrological Behaviour of Extensive Green Roofs with Native Plants in the Humid Subtropical Climate Context. Water (Switzerland), 2021, 13, 44.  | 2.7 | 10        |
| 631 | Model Improvement for Effect Evaluation of Low Impact Development Measures. Springer Water, 2020, , 257-269.   | 0.3 | 0         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 632 | Modelling of Nature-Based Solutions (NBS) for Urban Water Management—Investment and Outscaling Implications at Basin and Regional Levels. <i>Journal of Water Resource and Protection</i> , 2020, 12, 853-883. | 0.8  | 5         |
| 633 | Land return: le azioni di de-sealing per il recupero del suolo nei contesti urbani. <i>Territorio</i> , 2020, , 154-162.   | 0.1  | 0         |
| 634 | Protecting Existing Urban Green Space versus Cultivating More Green Infrastructures: Strategies Choices to Alleviate Urban Waterlogging Risks in Shenzhen. <i>Remote Sensing</i> , 2021, 13, 4433.             | 4.0  | 8         |
| 635 | Citizens'™ viewpoints on stormwater Beneficial Management Practices (BMPs) in Brazil. <i>Journal of Cleaner Production</i> , 2021, 328, 129569.  | 9.3  | 3         |
| 636 | Environmental Vulnerability Assessment and Stormwater Management to Enhance Watershed Performance. <i>Journal of Physics: Conference Series</i> , 2020, 1625, 012056.  | 0.4  | 2         |
| 638 | Effects of aggregate bulking and film thicknesses on water permeability and strength of pervious concrete. <i>Powder Technology</i> , 2022, 396, 743-753.  | 4.2  | 46        |
| 639 | Effect of Low-Impact Development Scenarios on Pluvial Flood Susceptibility in a Scantily Gauged Urban—Peri-Urban Catchment. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .                      | 1.9  | 5         |
| 640 | Seepage metal concentrations beneath long-term operated bioretention systems. <i>Blue-Green Systems</i> , 2021, 3, 128-144.  | 2.0  | 1         |
| 641 | Machine Learning Simulation of Land Cover Impact on Surface Urban Heat Island Surrounding Park Areas. <i>Sustainability</i> , 2021, 13, 12678.   | 3.2  | 7         |
| 642 | Urban Stormwater and Sewerage Modelling: An Approach for Peak Runoff and Volume Assessment. <i>Journal of Water Resource and Protection</i> , 2021, 13, 855-880.   | 0.8  | 0         |
| 643 | Urban stormwater management for sustainable and resilient measures and practices: a review. <i>Water Science and Technology</i> , 2022, 85, 1120-1140.   | 2.5  | 19        |
| 645 | Multi-objective optimization for stormwater management by green-roofs and infiltration trenches to reduce urban flooding in central Delhi. <i>Journal of Hydrology</i> , 2022, 606, 127455.                    | 5.4  | 37        |
| 646 | Modeling reverse auction-based subsidies and stormwater fee policies for Low Impact Development (LID) adoption: a system dynamics analysis. <i>Sustainable Cities and Society</i> , 2022, 79, 103602.          | 10.4 | 6         |
| 647 | Application of nature-based measures in China's sponge city initiative: Current trends and perspectives. <i>Nature-based Solutions</i> , 2022, 2, 100010.  | 3.8  | 16        |
| 648 | Performance of experimental bioretention cells during the first year of operation. <i>Journal of Hydrology and Hydromechanics</i> , 2022, 70, 42-61.   | 2.0  | 2         |
| 649 | Development and Evaluation of a Saturated Zone Module in an Integrated Urban Hydrological Model. <i>Water (Switzerland)</i> , 2022, 14, 1030.  | 2.7  | 1         |
| 650 | Physical and hydraulic properties of bioretention substrate using hexadecyl trimethyl ammonium bromide (HDTMA) modified zeolite. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-13.              | 2.2  | 1         |
| 651 | The effect of low impact development facilities on evapotranspiration in an outdoor space of urban buildings. <i>Journal of Hydrology</i> , 2022, 608, 127647.   | 5.4  | 3         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 652 | A new LID spatial allocation optimization system at neighborhood scale: Integrated SWMM with PICEA-g using MATLAB as the platform. <i>Science of the Total Environment</i> , 2022, 831, 154843.                   | 8.0  | 17        |
| 653 | Accumulation of high-molecular-weight polycyclic aromatic hydrocarbon impacted the performance and microbial ecology of bioretention systems. <i>Chemosphere</i> , 2022, 298, 134314.                             | 8.2  | 8         |
| 654 | Investigating the Impacts of the Political System Components in Iran on the Existing Water Bankruptcy. <i>Sustainability</i> , 2021, 13, 13657.   | 3.2  | 3         |
| 655 | Research on application of ecohydrology to disaster prevention and mitigation in China: a review. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 2946-2958.  | 2.1  | 3         |
| 656 | Effects of rainwater infiltration in low impact development facilities on adjacent municipal roads in collapsible loess. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.                | 3.5  | 2         |
| 657 | Climate change risk and adaptation costs for stormwater management in California coastal parklands. <i>Sustainable and Resilient Infrastructure</i> , 2023, 8, 293-306.   | 2.8  | 1         |
| 658 | Study on Sponge Campus Design of Renâ€™ai College of Tianjin Oriented by Low-Impact Development Measures. , 2021, , .   |      | 0         |
| 659 | Structural changes and denitrification performance evaluation of bioretention cells with collapsible loess modified by coal gangue. <i>Journal of Cleaner Production</i> , 2022, 355, 131740.                     | 9.3  | 3         |
| 660 | Drainage Alternatives for Rain Gardens on Subsoil of Low Permeability: Balance among Ponding Time, Soil Moisture, and Runoff Reduction. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, . | 1.6  | 7         |
| 661 | Underperformance Assessment Framework for Bioinfiltration Systems. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, .  | 1.6  | 0         |
| 663 | LIVING WITH FLOODS AND RECONNECTING TO THE WATER â€“ LANDSCAPE PLANNING AND DESIGN FOR DELTA PLAINS. <i>Journal of Environmental Engineering and Landscape Management</i> , 2022, 30, 206-219.                    | 1.0  | 12        |
| 664 | Stormwater Bioretention Cells Are Not an Effective Treatment for Persistent and Mobile Organic Compounds (PMOCs). <i>Environmental Science &amp; Technology</i> , 2022, , .                                       | 10.0 | 7         |
| 665 | Runoff Mitigation by Underdrained Permeable Pavements in Shallow Groundwater Environments: A Field Investigation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .                                   | 1.9  | 1         |
| 666 | Mapping Predicted Areas of Common Maintenance Impacts to Green Stormwater Infrastructure in Philadelphia, Pennsylvania. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, .                 | 1.6  | 3         |
| 667 | Dryland Rivers and Streams. , 2022, , 616-627.  |      | 0         |
| 668 | Greenhouse gas emissions and sustainability of green roofs and stormwater systems at a district level â€“ comparisons with a life cycle perspective. <i>E3S Web of Conferences</i> , 2022, 349, 04003.            | 0.5  | 0         |
| 669 | Comparative performance and cost-integrated life cycle assessment of low impact development controls for sustainable stormwater management. <i>Environmental Impact Assessment Review</i> , 2022, 95, 106805.     | 9.2  | 6         |
| 671 | Citizensâ€™s perception on stormwater management and use of on-site stormwater detention in Belo Horizonte/Brazil. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 27, .                                      | 0.5  | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 672 | Seasonal variations in soil–plant interactions in contrasting urban green spaces: Insights from water stable isotopes. <i>Journal of Hydrology</i> , 2022, 612, 127998.   | 5.4 | 12        |
| 673 | The Effectiveness of Centralized versus Decentralized Green Infrastructure in Improving Water Quality and Reducing Flooding at the Catchment Scale. <i>Journal of Water Management Modeling</i> , 0, , .                              | 0.0 | 1         |
| 674 | Comprehensive performance evaluation of stormwater management measures for sponge city construction: A case study in Gui'an New District, China. <i>Journal of Flood Risk Management</i> , 2022, 15, .                                | 3.3 | 5         |
| 675 | Analysis of urban waterlogging causes and LID techniques. , 0, 5, 244-249.  |     | 1         |
| 676 | The impact of vegetation and media on evapotranspiration in bioretention systems. <i>Urban Forestry and Urban Greening</i> , 2022, 74, 127680.  | 5.3 | 3         |
| 677 | Impact of spatial discretization resolution on the hydrological performance of layout optimization of LID practices. <i>Journal of Hydrology</i> , 2022, 612, 128113.   | 5.4 | 7         |
| 678 | Exploring the Determinants of Residents' Behavior towards Participating in the Sponge-Style Old Community Renewal of China: Extending the Theory of Planned Behavior. <i>Land</i> , 2022, 11, 1160.                                   | 2.9 | 8         |
| 679 | Stormwater Utility Fee Estimation Method for Individual Land Use Areas. <i>Sustainability</i> , 2022, 14, 10211.  | 3.2 | 3         |
| 680 | A Modeling Framework for Assessing the Value of Learning in Dynamic Adaptive Planning: Application to Green Infrastructure Investment Evaluation. <i>Water Resources Research</i> , 2022, 58, .                                       | 4.2 | 1         |
| 681 | Optimal Constituent Mix Ratio for Improved Fresh Properties of Cementitious and Alkali-Activated Porous Concretes. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .   | 2.9 | 2         |
| 682 | The hydrological effect and uncertainty assessment by runoff indicators based on SWMM for various LID facilities. <i>Journal of Hydrology</i> , 2022, 613, 128418.  | 5.4 | 13        |
| 683 | Plant growth-promoting microbes improve stormwater retention of a newly-built vertical greenery system. <i>Journal of Environmental Management</i> , 2022, 323, 116274.   | 7.8 | 4         |
| 684 | Bioretention soil capacity for removing nutrients, metals, and polycyclic aromatic hydrocarbons; roles of co-contaminants, pH, salinity and dissolved organic carbon. <i>Journal of Environmental Management</i> , 2022, 324, 116314. | 7.8 | 4         |
| 685 | Traditional and existing methods of urban water supply and their loopholes. <i>Current Directions in Water Scarcity Research</i> , 2022, , 245-271.   | 0.6 | 2         |
| 686 | A Systematic Bibliometric Review of Low Impact Development Research Articles. <i>Water (Switzerland)</i> , 2022, 14, 2675.  | 2.7 | 2         |
| 687 | Ecosystem-based disaster risk reduction can benefit biodiversity conservation in a Japanese agricultural landscape. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .  | 2.2 | 0         |
| 688 | Enhancing the Urban Resilience to Flood Risk Through a Decision Support Tool for the LID-BMPs Optimal Design. <i>Water Resources Management</i> , 2022, 36, 5633-5654.  | 3.9 | 10        |
| 689 | Artificial Intelligence-Based Prediction of Permeable Pavement Surface Infiltration Rates. <i>Lecture Notes in Civil Engineering</i> , 2023, , 253-264.   | 0.4 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 690 | Identifying Cost-Effective Low-Impact Development (LID) under Climate Change: A Multi-Objective Optimization Approach. <i>Water (Switzerland)</i> , 2022, 14, 3017.   | 2.7 | 10        |
| 691 | Increasing Sustainability Literacy for Environmental Design Students: A Transdisciplinary Learning Practice. <i>Sustainability</i> , 2022, 14, 12379.   | 3.2 | 1         |
| 692 | Simulating the impact of nature-based solutions on runoff control by using i-Tree Hydro: a case study in Padua (Italy). <i>Acta Horticulturae</i> , 2022, , 351-358.  | 0.2 | 1         |
| 693 | Seasonal variation in indicator organisms infiltrating from permeable pavement parking lots at the Edison Environmental Center, New Jersey. <i>Water Environment Research</i> , 2022, 94, .                         | 2.7 | 0         |
| 694 | Combining catastrophe technique and regression analysis to deduce leading landscape patterns for regional flood vulnerability: A case study of Nanjing, China. <i>Frontiers in Ecology and Evolution</i> , 0, 10, . | 2.2 | 2         |
| 695 | Urban stormwater retention capacity of nature-based solutions at different climatic conditions. <i>Nature-based Solutions</i> , 2022, 2, 100038.  | 3.8 | 14        |
| 696 | Contribution of green roofs to energy savings in building renovations. <i>Energy for Sustainable Development</i> , 2022, 71, 212-221.   | 4.5 | 11        |
| 697 | Investigating the influences of concave depths on stormwater runoff and pollution retention of urban grasslands. <i>Water Science and Technology</i> , 2022, 86, 2441-2453.   | 2.5 | 1         |
| 698 | The fluctuation of groundwater level under the background of Sponge City Construction in the pilot area in Tianjin, China. <i>Arabian Journal of Geosciences</i> , 2022, 15, .                                      | 1.3 | 0         |
| 699 | Impact of climate change on coastal water quality and its interaction with pollution prevention efforts. <i>Journal of Environmental Management</i> , 2023, 325, 116557.  | 7.8 | 8         |
| 700 | Effects of watershed-scale green infrastructure retrofits on urban stormwater quality: A paired watershed study to quantify nutrient and sediment removal. <i>Ecological Engineering</i> , 2023, 186, 106835.       | 3.6 | 6         |
| 701 | Long-Term Monitoring of an Urban Stormwater Infiltration Trench in South Korea with Assessment Using the Analytic Hierarchy Process. <i>Water (Switzerland)</i> , 2022, 14, 3529.                                   | 2.7 | 4         |
| 702 | High-resolution mapping of the rainfall runoff pollution: case study of Shiwuli River watershed, China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 28935-28946.                                | 5.3 | 2         |
| 703 | The influence of Low Impact Development (LID) on basin runoff in a half-urbanized catchment: A case study in San Antonio, Texas. <i>Journal of Hydrology</i> , 2023, 616, 128793.                                   | 5.4 | 8         |
| 704 | Evaluating the impact of climate change on future bioretention performance across the contiguous United States. <i>Journal of Hydrology</i> , 2023, 616, 128771.  | 5.4 | 5         |
| 707 | Water Oriented Cityâ€™s Scalesâ€™ System of Blue and Green Infrastructure in Sponge Cities Supporting the Retention of the Urban Fabric. <i>Water (Switzerland)</i> , 2022, 14, 4070.                               | 2.7 | 2         |
| 708 | Understanding the link between industrial stimulation effect and environmental impact of sponge city: With a focus on the construction phase. <i>Journal of Cleaner Production</i> , 2023, , 136113.                | 9.3 | 1         |
| 709 | Analysis of the effects of low impact development practices on hydrological components using HSPF. <i>Journal of Hydro-Environment Research</i> , 2023, 46, 72-85.  | 2.2 | 3         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 710 | Modelling Runoff from Permeable Pavements: A Link to the Curve Number Method. Water (Switzerland), 2023, 15, 160.  | 2.7 | 3         |
| 711 | Sponge City and Water Environment Planning and Construction in Jibu District in Changde City. Sustainability, 2023, 15, 444.   | 3.2 | 1         |
| 712 | &lt;b&gt;Issues and Strategies for Designing Flood Resilient Public Space to Achieve a Balance between Public Amenity and Stormwater Management Infrastructure&lt;/b&gt;. Urban and Regional Planning Review, 2023, 10, 197-223. | 0.1 | 0         |
| 713 | Improving detention ponds for effective stormwater management and water quality enhancement under future climate change: a simulation study using the PCSWMM model. Scientific Reports, 2023, 13, .                              | 3.3 | 1         |
| 714 | Field assessment of metal and base cation accumulation in green stormwater infrastructure soils. Science of the Total Environment, 2023, 875, 162500.  | 8.0 | 3         |
| 715 | Scientific challenges and biophysical knowledge gaps for implementing nutrient offset projects. Journal of Environmental Management, 2023, 339, 117902.  | 7.8 | 2         |
| 716 | Chiral Separation of Metolachlor Metabolites in a Single, Large Volume Injection to Facilitate Watershed Tracer Studies. ACS Agricultural Science and Technology, 2023, 3, 270-277.  | 2.3 | 1         |
| 717 | Calculating the Environmental Impacts of Low-Impact Development Using Long-Term Hydrologic Impact Assessment: A Review of Model Applications. Land, 2023, 12, 612.   | 2.9 | 1         |
| 718 | The role of GICT and environmental regulation in affecting ecological footprint. Environmental Science and Pollution Research, 2023, 30, 54770-54799.  | 5.3 | 3         |
| 719 | A systematic review of natural flood management modelling: Approaches, limitations, and potential solutions. Journal of Flood Risk Management, 2023, 16, .   | 3.3 | 8         |
| 720 | Assessment of concrete road paving blocks with coal bottom ash: physical and mechanical characterization. Case Studies in Construction Materials, 2023, , e02094.  | 1.7 | 0         |
| 721 | Effect of Pore Characteristics on Sound Absorption Ability of Permeable Pavement Materials. Advances in Civil Engineering, 2023, 2023, 1-18.   | 0.7 | 3         |
| 722 | TSS Removal Efficiency and Permeability Degradation of Sand Filters in Permeable Pavement. Materials, 2023, 16, 3999.  | 2.9 | 2         |
| 723 | Characterization of pollutants and identification of microbial communities in the filter media of green infrastructures. Ecological Engineering, 2023, 193, 107012.  | 3.6 | 1         |
| 725 | Integrating Social Equity into Multiobjective Optimization of Urban Stormwater Low-Impact Development. Journal of Water Resources Planning and Management - ASCE, 2023, 149, .   | 2.6 | 0         |
| 726 | Irrigation proposals for improving the energy performance of green roofs in Mediterranean climate. Journal of Building Engineering, 2023, 75, 107064.  | 3.4 | 1         |
| 727 | Assessment of Green Infrastructures Performance for Water Quality Management. Environmental Science and Engineering, 2023, , 61-68.  | 0.2 | 0         |
| 728 | Perceptions and Patterns of Use of Blue Spaces in Selected European Cities: Tartu, Tallinn, Barcelona, Warsaw and Plymouth. Sustainability, 2023, 15, 7392.  | 3.2 | 3         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 729 | Selection of Strategic Sampling Sites for River Quality Assessments Near Mined Areas as a Policy Handle for Low-Impact Development and Biodiversity Conservation: A Case Study of River Godavari. , 2023, , 373-387.  |     | 0         |
| 730 | Assessment of Interlocking Concrete Block Pavement with By-Products and Comparison with an Asphalt Pavement: A Review. Applied Sciences (Switzerland), 2023, 13, 5846.  | 2.5 | 2         |
| 731 | Integrated SUSTAIN-SWMM-MCDM Approach for Optimal Selection of LID Practices in Urban Stormwater Systems. Water Resources Management, 2023, 37, 3769-3793.  | 3.9 | 5         |
| 732 | Permeability prediction of pervious concrete based on mix proportions and pore characteristics. Construction and Building Materials, 2023, 395, 132247.   | 7.2 | 4         |
| 733 | A Modeling Framework for Bioretention Analysis: Assessing the Hydrologic Performance under System Uncertainty. Journal of Hydrologic Engineering - ASCE, 2023, 28, .  | 1.9 | 1         |
| 734 | Probabilistic assessment of failure of infiltration structures under model and parametric uncertainty. Journal of Environmental Management, 2023, 344, 118466.  | 7.8 | 0         |
| 735 | Assessment and Mitigation of Fecal Bacteria Exports from a Coastal North Carolina Watershed. Hydrology, 2023, 10, 156.  | 3.0 | 0         |
| 736 | Application of Internet of Things (IoT) Technologies in Green Stormwater Infrastructure (GSI): A Bibliometric Review. Sustainability, 2023, 15, 13317.  | 3.2 | 0         |
| 737 | Advancing flood resilience: the nexus between flood risk management, green infrastructure, and resilience. Frontiers in Sustainable Cities, 0, 5, .   | 2.4 | 0         |
| 738 | Incorrect Sizing Calculation Methods for Bioretention Cells. Journal of Hydrologic Engineering - ASCE, 2023, 28, .  | 1.9 | 0         |
| 739 | A closer look at Toronto's water quality control design criteria for bioretention cells. Canadian Journal of Civil Engineering, 0, , .  | 1.3 | 0         |
| 740 | Exploring community perceptions and engagement of nature-based solutions: The case of Ningbo, a Chinese coastal sponge city. Nature-based Solutions, 2023, 4, 100093.   | 3.8 | 1         |
| 741 | A Framework for Assessing Nature-Based Urban Stormwater Management Solutions: A Preliminary Spatial Analysis Approach Applied to Southeast Serbia. Water (Switzerland), 2023, 15, 3604.                               | 2.7 | 0         |
| 742 | Hydro-bio-geo-socio-chemical interactions and the sustainability of residential landscapes. , 2023, 2, .  |     | 0         |
| 743 | Hybrid ion exchange and biological processes for water and wastewater treatment: a comprehensive review of process applications and mathematical modeling. Reviews in Environmental Science and Biotechnology, 0, , . | 8.1 | 0         |
| 744 | A new analytical stormwater model for bioretention systems considering both infiltration and saturation excess runoff generation processes. Journal of Hydrology, 2024, 628, 130500.                                  | 5.4 | 1         |
| 745 | Study on Calculating Appropriate Impact Assessment for LID Facility Using A-I-R Curve. Water (Switzerland), 2023, 15, 4198.   | 2.7 | 0         |
| 746 | Protecting heritage: Insights into effective flood management using green infrastructure in a highly urbanized environment. International Journal of Disaster Risk Reduction, 2023, 98, 104075.                       | 3.9 | 1         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 747 | Estimating runoff probability from precipitation data: A binomial regression analysis. Hydrological Processes, 2023, 37, .   | 2.6 | 0         |
| 748 | Comprehensive Performance Assessment for Sponge City Construction: A Case Study. Water (Switzerland), 2023, 15, 4039.  | 2.7 | 0         |
| 749 | Block-scale use of bioretention cells to restore the urban water balance: A case study in Tehran metropolis. Journal of Hydrology: Regional Studies, 2024, 51, 101621.   | 2.4 | 0         |
| 750 | Urbanization and Sustainability. Sustainable Development Goals Series, 2023, , 1-30.   | 0.4 | 0         |
| 752 | Synergism of nitrogen removal and greenhouse gases emission reduction in pyrite/biochar-based bioretention system coupled with microbial fuel cell: Performance and mechanism. Journal of Cleaner Production, 2024, 434, 140420. | 9.3 | 1         |
| 753 | Vicissitudes and prospects of green roof research: a two-decade systematic bibliometric review. Frontiers in Ecology and Evolution, 0, 11, .   | 2.2 | 0         |
| 754 | A multi-objective spatial optimization of wetland for Sponge City in the plain, China. Ecological Engineering, 2024, 198, 107147.  | 3.6 | 0         |
| 755 | Improvement and application of SWMM-ING for carbon reduction in green infrastructure. Journal of the Korean Society of Water and Wastewater, 2023, 37, 335-345.  | 0.3 | 0         |
| 756 | Research on the carbon profit and loss correlation mechanism of sponge city construction life cycle in urban built up areas. Ecohydrology and Hydrobiology, 2024, , .  | 2.3 | 0         |
| 757 | Research on the strength prediction for pervious concrete based on design porosity and water-to-cement ratio. Reviews on Advanced Materials Science, 2024, 63, .   | 3.3 | 0         |
| 758 | Performance-Based Site Selection of Nature-Based Solutions: Applying the Curve Number Model to High-Resolution Layers to Steer Better Greening Strategies. Lecture Notes in Civil Engineering, 2024, , 196-207.                  | 0.4 | 0         |
| 759 | Enhancing adoption studies of LID-BMP&TM S for Storm Water Management Drainage (SWMD) national stadium in Jayapura, Indonesia. IOP Conference Series: Earth and Environmental Science, 2024, 1311, 012055.                       | 0.3 | 0         |
| 760 | Trajectory, Challenges, and Opportunities in Sustainable Urban Water Management in Brazil: Nature-Based Solutions for Urban Stormwater Drainage. , 2024, , 295-313.  |     | 0         |
| 761 | Assessment of Urban Rain Gardens Within Climate Change Adaptation and Circularity Challenge. , 2024, , 51-72.  |     | 0         |
| 762 | The Employment of Rain Gardens in Urban Water Management to Improve Biodiversity and Ecosystem Resilience. , 2024, , 73-91.  |     | 0         |