# David J Sample

List of Publications by Year
in descending order



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|---|---|---|---|
| 47 papers | 1,617 citations | 304743 22 h-index | 302126 39 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 1511 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Review and Research Needs of Bioretention Used for the Treatment of Urban Stormwater. Water (Switzerland), 2014, 6, 1069-1099. | 2.7 | 186 |
| 2 | Optimizing rainwater harvesting systems for the dual purposes of water supply and runoff capture. Journal of Cleaner Production, 2014, 75, 174-194. | 9.3 | 118 |
| 3 | Reducing combined sewer overflows by using outlet controls for Green Stormwater Infrastructure: Case study in Richmond, Virginia. Journal of Hydrology, 2015, 520, 473-488. | 5.4 | 108 |
| 4 | Assessment of the nutrient removal effectiveness of floating treatment wetlands applied to urban retention ponds. Journal of Environmental Management, 2014, 137, 23-35. | 7.8 | 95 |
| 5 | Evaluation of commercial floating treatment wetland technologies for nutrient remediation of stormwater. Ecological Engineering, 2015, 75, 61-69. | 3.6 | 95 |
| 6 | Costs of Best Management Practices and Associated Land for Urban Stormwater Control. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 59-68. | 2.6 | 76 |
| 7 | An evaluation of HSPF and SWMM for simulating streamflow regimes in an urban watershed. Environmental Modelling and Software, 2019, 118, 211-225. | 4.5 | 75 |
| 8 | Geographic Information Systems, Decision Support Systems, and Urban Storm-Water Management. Journal of Water Resources Planning and Management - ASCE, 2001, 127, 155-161. | 2.6 | 67 |
| 9 | Vegetation effects on floating treatment wetland nutrient removal and harvesting strategies in urban stormwater ponds. Science of the Total Environment, 2014, 499, 384-393. | 8.0 | 66 |
| 10 | Assessing the Effects of Climate Change on Water Quantity and Quality in an Urban Watershed Using a Calibrated Stormwater Model. Water (Switzerland), 2017, 9, 464. | 2.7 | 59 |
| 11 | Assessing climate change impacts on the reliability of rainwater harvesting systems. Resources, Conservation and Recycling, 2018, 132, 178-189. | 10.8 | 43 |
| 12 | Floating treatment wetland aided nutrient removal from agricultural runoff using two wetland species. Ecological Engineering, 2019, 127, 468-479. | 3.6 | 42 |
| 13 | A multiobjective simulation-optimization tool for assisting in urban watershed restoration planning. Journal of Cleaner Production, 2019, 213, 251-261. | 9.3 | 40 |
| 14 | Evaluating the joint effects of climate and land use change on runoff and pollutant loading in a rapidly developing watershed. Journal of Cleaner Production, 2022, 330, 129953. | 9.3 | 38 |
| 15 | Assessing performance of manufactured treatment devices for the removal of phosphorus from urban stormwater. Journal of Environmental Management, 2012, 113, 279-291. | 7.8 | 37 |
| 16 | Assessing floating treatment wetlands nutrient removal performance through a first order kinetics model and statistical inference. Ecological Engineering, 2013, 61, 292-302. | 3.6 | 36 |
| 17 | Assessment of Selected Bioretention Blends for Nutrient Retention Using Mesocosm Experiments. Journal of Environmental Quality, 2014, 43, 1754-1763. | 2.0 | 36 |
| 18 | Assessing nitrogen and phosphorus removal potential of five plant species in floating treatment wetlands receiving simulated nursery runoff. Environmental Science and Pollution Research, 2019, 26, 5751-5768. | 5.3 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Simulation of watershed-scale practices for mitigating stream thermal pollution due to urbanization. Science of the Total Environment, 2019, 671, 215-231. | 8.0 | 31 |
| 20 | The effects of land use characteristics on urban stormwater quality and watershed pollutant loads. Science of the Total Environment, 2021, 773, 145358. | 8.0 | 30 |
| 21 | Integrated Management of Irrigation and Urban Storm-Water Infiltration. Journal of Water Resources Planning and Management - ASCE, 2006, 132, 362-373. | 2.6 | 25 |
| 22 | Thermal evaluation of urbanization using a hybrid approach. Journal of Environmental Management, 2018, 226, 457-475. | 7.8 | 24 |
| 23 | Evaluating the performance of a retrofitted stormwater wet pond for treatment of urban runoff. Environmental Monitoring and Assessment, 2017, 189, 256. | 2.7 | 22 |
| 24 | A semi-distributed model for locating stormwater best management practices in coastal environments. Environmental Modelling and Software, 2017, 91, 70-86. | 4.5 | 20 |
| 25 | Evaluating the Impact of Climate Change on Water Quality and Quantity in an Urban Watershed Using an Ensemble Approach. Estuaries and Coasts, 2020, 43, 56-72. | 2.2 | 20 |
| 26 | Research Needs in Urban Wet Weather Flows. Water Environment Research, 1999, 71, 241-250. | 2.7 | 19 |
| 27 | Evaluating the Dual Benefits of Rainwater Harvesting Systems Using Reliability Analysis. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1310-1321. | 1.9 | 17 |
| 28 | Effect of intermittent aeration mode on nitrogen concentration in the water column and sediment pore water of aquaculture ponds. Journal of Environmental Sciences, 2020, 90, 331-342. | 6.1 | 17 |
| 29 | Efficacy of a retention pond in treating stormwater nutrients and sediment. Journal of Cleaner Production, 2021, 290, 125787. | 9.3 | 17 |
| 30 | RESIDENTIAL STORMWATER: METHODS FOR DECREASING RUNOFF AND INCREASING STORMWATER INFILTRATION. Journal of Green Building, 2012, 7, 15-30. | 0.8 | 17 |
| 31 | Water quality characterization of storm and irrigation runoff from a container nursery. Science of the Total Environment, 2019, 667, 166-178. | 8.0 | 16 |
| 32 | Combining Hydrologic Analysis and Life Cycle Assessment Approaches to Evaluate Sustainability of Water Infrastructure. Journal of Irrigation and Drainage Engineering - ASCE, 2018, 144, . | 1.0 | 13 |
| 33 | Response of non-point source pollution to landscape pattern: case study in mountain-rural region, China. Environmental Science and Pollution Research, 2021, 28, 16602-16615. | 5.3 | 12 |
| 34 | Using Random Forest, a machine learning approach to predict nitrogen, phosphorus, and sediment event mean concentrations in urban runoff. Journal of Environmental Management, 2022, 317, 115412. | 7.8 | 11 |
| 35 | The effect of temperature on sulfate release from Pearl River sediments in South China. Science of the Total Environment, 2019, 688, 1112-1123. | 8.0 | 9 |
| 36 | Systems Analysis of Coupled Natural and Human Processes in the Mekong River Basin. Hydrology, 2021, 8, 140. | 3.0 | 8 |

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|---|---|---|---|
| 37 | Urban Wetâ€Weather Flows. Water Environment Research, 2012, 84, 861-970. | 2.7 | 6 |
| 38 | Optimum ridge width and suitable mulching material for sainfoin production with ridgeâ€“furrow rainwater harvesting in semiarid regions of China. Arid Land Research and Management, 2019, 33, 274-296. | 1.6 | 6 |
| 39 | Data on floating treatment wetland aided nutrient removal from agricultural runoff using two wetland species. Data in Brief, 2019, 22, 756-761. | 1.0 | 6 |
| 40 | What are the relevant sources and factors affecting event mean concentrations (EMCs) of nutrients and sediment in stormwater?. Science of the Total Environment, 2022, 828, 154368. | 8.0 | 6 |
| 41 | Frequency Analysis for Precipitation Events and Dry Durations of Virginia. Environmental Modeling and Assessment, 2014, 19, 167-178. | 2.2 | 5 |
| 42 | Validation of Nursery and Greenhouse Best Management Practices through Scientific Evidence. HortTechnology, 2019, 29, 700-715. | 0.9 | 3 |
| 43 | Water supply and runoff capture reliability curves for hypothetical rainwater harvesting systems for locations across the U.S. for historical and projected climate conditions. Data in Brief, 2018, 18, 441-447. | 1.0 | 2 |
| 44 | Comparing Yield, Quality, Water Use Efficiency, and Value between Fodder and Grain Produced Using Ridgeâ€Furrow Rainwater Harvesting in a Semiarid Region. Crop Science, 2019, 59, 2214-2226. | 1.8 | 2 |
| 45 | Urban Wet-Weather Flows. Water Environment Research, 2014, 86, 910-991. | 2.7 | 1 |
| 46 | Water Quality Characterization of Irrigation and Storm Runoff for a Nursery. Green Energy and Technology, 2019, , 788-793. | 0.6 | 1 |
| 47 | Northwest Georgia Water Partnership A Regional Approach to Water Quality Management and TMDL Implementation. Proceedings of the Water Environment Federation, 2007, 2007, 745-755. | 0.0 | 0 |