# David P Genereux

List of Publications by Year
in descending order



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|---|---|---|---|
| 47 papers | 1,980 citations | 236925 25 h-index | 243625 44 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 2020 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Estimating groundwater mean transit time from SF6 in stream water: field example and planning metrics for a reach mass-balance approach. Hydrogeology Journal, 2022, 30, 479. | 2.1 | 4 |
| 2 | Using Automated Seepage Meters to Quantify the Spatial Variability and Net Flux of Groundwater to a Stream. Water Resources Research, 2022, 58, . | 4.2 | 4 |
| 3 | Partitioning inorganic carbon fluxes from paired O2â€“CO2 gas measurements in a Neotropical headwater stream, Costa Rica. Biogeochemistry, 2022, 160, 259-273. | 3.5 | 4 |
| 4 | Per- and Polyfluoroalkyl Substance (PFAS) Transport from Groundwater to Streams near a PFAS Manufacturing Facility in North Carolina, USA. Environmental Science & Technology, 2021, 55, 5848-5856. | 10.0 | 71 |
| 5 | An Automated Seepage Meter for Streams and Lakes. Water Resources Research, 2020, 56, e2019WR026983. | 4.2 | 13 |
| 6 | Regional Groundwater and Storms Are Hydrologic Controls on the Quality and Export of Dissolved Organic Matter in Two Tropical Rainforest Streams, Costa Rica. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 850-866. | 3.0 | 32 |
| 7 | Identifying the regional extent and geochemical evolution of interbasin groundwater flow using geochemical inverse modeling and 87Sr/86Sr ratios in a complex conglomeratic aquifer. Chemical Geology, 2018, 500, 20-29. | 3.3 | 4 |
| 8 | Relationship of groundwater geochemistry and flow to volcanic stratigraphy in basaltic aquifers affected by magmatic CO2, Jeju Island, Korea. Chemical Geology, 2017, 467, 143-158. | 3.3 | 11 |
| 9 | A Tube Seepage Meter for In Situ Measurement of Seepage Rate and Groundwater Sampling. Ground Water, 2016, 54, 588-595. | 1.3 | 19 |
| 10 | Chamber measurements of high CO2 emissions from a rainforest stream receiving old C-rich regional groundwater. Biogeochemistry, 2016, 130, 69-83. | 3.5 | 6 |
| 11 | Groundwater transit time distribution and mean from streambed sampling in an agricultural coastal plain watershed, North Carolina, USA. Water Resources Research, 2016, 52, 2025-2044. | 4.2 | 44 |
| 12 | Quantifying the fate of agricultural nitrogen in an unconfined aquifer: Streamâ€based observations at three measurement scales. Water Resources Research, 2016, 52, 1961-1983. | 4.2 | 27 |
| 13 | Quantifying an aquifer nitrate budget and future nitrate discharge using field data from streambeds and well nests. Water Resources Research, 2016, 52, 9046-9065. | 4.2 | 10 |
| 14 | Gas-Tracer Experiment for Evaluating the Fate of Methane in a Coastal Plain Stream: Degassing versus in-Stream Oxidation. Environmental Science & Technology, 2016, 50, 10504-10511. | 10.0 | 17 |
| 15 | In-situ falling-head test for hydraulic conductivity: Evaluation in layered sediments of an analysis derived for homogenous sediments. Journal of Hydrology, 2016, 539, 319-329. | 5.4 | 10 |
| 16 | The effect of regional groundwater on carbon dioxide and methane emissions from a lowland rainforest stream in Costa Rica. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2579-2595. | 3.0 | 19 |
| 17 | Interbasin flow of geothermally modified ground water stabilizes stream exports of biologically important solutes against variation in precipitation. Freshwater Science, 2015, 34, 276-286. | 1.8 | 7 |
| 18 | Use of a watershed hydrologic model to estimate interbasin groundwater flow in a Costa Rican rainforest. Hydrological Processes, 2014, 28, 3670-3680. | 2.6 | 16 |

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|---|---|---|---|
| 19 | A connection to deep groundwater alters ecosystem carbon fluxes and budgets: Example from a Costa Rican rainforest. Geophysical Research Letters, 2013, 40, 2066-2070. | 4.0 | 34 |
| 20 | Testing mixing models of old and young groundwater in a tropical lowland rain forest with environmental tracers. Water Resources Research, 2010, 46, . | 4.2 | 76 |
| 21 | Comparison of Darcian flux calculations and seepage meter measurements in a sandy streambed in North Carolina, United States. Water Resources Research, 2010, 46, . | 4.2 | 31 |
| 22 | Spatial and temporal dynamics of coupled groundwater and nitrogen fluxes through a streambed in an agricultural watershed. Water Resources Research, 2009, 45, . | 4.2 | 75 |
| 23 | Relationships among groundwater age, denitrification, and the coupled groundwater and nitrogen fluxes through a streambed. Water Resources Research, 2009, 45, . | 4.2 | 35 |
| 24 | Chemical and isotopic signature of old groundwater and magmatic solutes in a Costa Rican rain forest: Evidence from carbon, helium, and chlorine. Water Resources Research, 2009, 45, . | 4.2 | 44 |
| 25 | Spatial and temporal variability of streambed hydraulic conductivity in West Bear Creek, North Carolina, USA. Journal of Hydrology, 2008, 358, 332-353. | 5.4 | 169 |
| 26 | Effect of sampling density and design on estimation of streambed attributes. Journal of Hydrology, 2008, 355, 164-180. | 5.4 | 47 |
| 27 | <sup>14</sup>C Groundwater Age and the Importance of Chemical Fluxes Across Aquifer Boundaries in Confined Cretaceous Aquifers of North Carolina, USA. Radiocarbon, 2007, 49, 1181-1203. | 1.8 | 19 |
| 28 | Design of a lightâ€oil piezomanometer for measurement of hydraulic head differences and collection of groundwater samples. Water Resources Research, 2007, 43, . | 4.2 | 38 |
| 29 | Interbasin groundwater flow and groundwater interaction with surface water in a lowland rainforest, Costa Rica: A review. Journal of Hydrology, 2006, 320, 385-399. | 5.4 | 54 |
| 30 | A paired-watershed budget study to quantify interbasin groundwater flow in a lowland rain forest, Costa Rica. Water Resources Research, 2005, 41, . | 4.2 | 45 |
| 31 | Influence of Calibration Methodology on Ground Water Flow Predictions. Ground Water, 2004, 42, 32-44. | 1.3 | 18 |
| 32 | Comparison of naturally-occurring chloride and oxygen-18 as tracers of interbasin groundwater transfer in lowland rainforest, Costa Rica. Journal of Hydrology, 2004, 295, 17-27. | 5.4 | 17 |
| 33 | Comparison of methods for estimation of 50-year peak discharge from a small, rural watershed in North Carolina. Environmental Geology, 2003, 44, 53-58. | 1.2 | 5 |
| 34 | Chemical tracing of interbasin groundwater transfer in the lowland rainforest of Costa Rica. Journal of Hydrology, 2002, 258, 163-178. | 5.4 | 55 |
| 35 | Reply to comment on â€œNumerical investigation of lake bed seepage patterns: effects of porous medium and lake propertiesâ€•by Genereux, D., and Bandopadhyay, I., 2001. Journal of Hydrology 241, 286â€“303. Journal of Hydrology, 2002, 258, 265-266. | 5.4 | 1 |
| 36 | Numerical investigation of lake bed seepage patterns: effects of porous medium and lake properties. Journal of Hydrology, 2001, 241, 286-303. | 5.4 | 50 |

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|---|---|---|---|
| 37 | A borehole flowmeter investigation of small-scale hydraulic conductivity variation in the Biscayne Aquifer, Florida. Water Resources Research, 2001, 37, 1511-1517. | 4.2 | 13 |
| 38 | Determination of Specific Yield for the Biscayne Aquifer with a Canal-Drawdown Test. Ground Water, 2001, 39, 768-777. | 1.3 | 31 |
| 39 | Water exchange between canals and surrounding aquifer and wetlands in the Southern Everglades, USA. Journal of Hydrology, 1999, 219, 153-168. | 5.4 | 30 |
| 40 | Quantifying uncertainty in tracer-based hydrograph separations. Water Resources Research, 1998, 34, 915-919. | 4.2 | 349 |
| 41 | A Canal Drawdown Experiment for Determination of Aquifer Parameters. Journal of Hydrologic Engineering - ASCE, 1998, 3, 294-302. | 1.9 | 31 |
| 42 | Chemical mixing model of streamflow generation at La Selva Biological Station, Costa Rica. Journal of Hydrology, 1997, 199, 319-330. | 5.4 | 42 |
| 43 | Spatial and temporal variability in streamflow generation on the West Fork of Walker Branch Watershed. Journal of Hydrology, 1993, 142, 137-166. | 5.4 | 53 |
| 44 | Use of radon-222 and calcium as tracers in a three-end-member mixing model for streamflow generation on the West Fork of Walker Branch Watershed. Journal of Hydrology, 1993, 142, 167-211. | 5.4 | 109 |
| 45 | Determination of gas exchange rate constants for a small stream on Walker Branch Watershed, Tennessee. Water Resources Research, 1992, 28, 2365-2374. | 4.2 | 149 |
| 46 | Naturally Occurring Radon 222 as a Tracer for Streamflow Generation: Steady State Methodology and Field Example. Water Resources Research, 1990, 26, 3065-3075. | 4.2 | 30 |
| 47 | Addendum to "Quantifying Uncertainty in Tracerâ€Based Hydrograph Separations" for Threeâ€Component Mixing Problems.. Water Resources Research, 0, , . | 4.2 | 1 |