Brian E Haggard

List of Publications by Year
in descending order

56 papers	1,744 citations	331670 21 h-index	276875 41 g-index
56 all docs	56 docs citations	56 times ranked	2013 citing authors

#	Article	IF	Citations
1	Solubility of Antimony and Other Elements in Samples Taken from Shooting Ranges. Journal of Environmental Quality, 2005, 34, 248-254.	2.0	292
2	Phosphorus Mitigation to Control River Eutrophication: Murky Waters, Inconvenient Truths, and â€œPostnormalâ€•Science. Journal of Environmental Quality, 2013, 42, 295-304.	2.0	238
3	Development of a Phosphorus Index for Pastures Fertilized with Poultry Litterâ€"Factors Affecting Phosphorus Runoff. Journal of Environmental Quality, 2004, 33, 2183-2191.	2.0	122
4	Nutrient retention in a point-source-enriched stream. Journal of the North American Benthological Society, 2005, 24, 29-47.	3.1	112
5	Within-River Phosphorus Retention: Accounting for a Missing Piece in the Watershed Phosphorus Puzzle. Environmental Science & Technology, 2012, 46, 13284-13292.	10.0	94
6	EFFECT OF A POINT SOURCE INPUT ON STREAM NUTRIENT RETENTION. Journal of the American Water Resources Association, 2001, 37, 1291-1299.	2.4	84
7	Variations in Stream Water and Sediment Phosphorus among Select Ozark Catchments. Journal of Environmental Quality, 2007, 36, 1725-1734.	2.0	60
8	Stoichiometric imbalance in rates of nitrogen and phosphorus retention, storage, and recycling can perpetuate nitrogen deficiency in highlyâ€productive reservoirs. Limnology and Oceanography, 2014, 59, 2203-2216.	3.1	57
9	Antibiotic fate and transport in three effluent-dominated Ozark streams. Ecological Engineering, 2010, 36, 930-938.	3.6	52
10	Critical Evaluation of the Implementation of Mitigation Options for Phosphorus from Field to Catchment Scales. Journal of Environmental Quality, 2009, 38, 1989-1997.	2.0	51
11	Phosphorus Retention and Remobilization along Hydrological Pathways in Karst Terrain. Environmental Science & Technology, 2014, 48, 4860-4868.	10.0	51
12	The effect of periphyton stoichiometry and light on biological phosphorus immobilization and release in streams. Limnology, 2012, 13, 97-106.	1.5	42
13	Phosphorus Distribution in Sequentially Extracted Fractions of Biosolids, Poultry Litter, and Granulated Products. Soil Science, 2010, 175, 154-161.	0.9	40
14	Nitrogen form, concentration, and micronutrient availability affect microcystin production in cyanobacterial blooms. Harmful Algae, 2021, 103, 102002.	4.8	35
15	Change Point Analysis of Phosphorus Trends in the Illinois River (Oklahoma) Demonstrates the Effects of Watershed Management. Journal of Environmental Quality, 2011, 40, 1249-1256.	2.0	30
16	Sediment phosphorus release at a small impoundment on the Illinois River, Arkansas and Oklahoma, USA. Ecological Engineering, 2006, 28, 280-287.	3.6	29
17	Net Changes in Antibiotic Concentrations Downstream from an Effluent Discharge. Journal of Environmental Quality, 2009, 38, 343-352.	2.0	29
18	Phosphorus Concentrations, Loads, and Sources within the Illinois River Drainage Area, Northwest Arkansas, 1997â€"2008. Journal of Environmental Quality, 2010, 39, 2113-2120.	2.0	29

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19	Development and Testing of an Inâ€Stream Phosphorus Cycling Model for the Soil and Water Assessment Tool. Journal of Environmental Quality, 2014, 43, 215-223.	2.0	25
20	Sediment Phosphorus Release at Beaver Reservoir, Northwest Arkansas, USA, 2002â€“2003: A Preliminary Investigation. Water, Air, and Soil Pollution, 2007, 179, 67-77.	2.4	24
21	Development of Regression-Based Models to Predict Fecal Bacteria Numbers at Select Sites within the Illinois River Watershed, Arkansas and Oklahoma, USA. Water, Air, and Soil Pollution, 2011, 215, 525-547.	2.4	24
22	Evaluation of Regression Methodology with Lowâ€Frequency Water Quality Sampling to Estimate Constituent Loads for Ephemeral Watersheds in Texas. Journal of Environmental Quality, 2008, 37, 1847-1854.	2.0	23
23	NUTRIENT AND ?17-ESTRADIOL LOSS IN RUNOFF WATER FROM POULTRY LITTERS. Journal of the American Water Resources Association, 2005, 41, 245-256.	2.4	21
24	Pharmaceuticals and Other Organic Chemicals in Selected Northâ€Central and Northwestern Arkansas Streams. Journal of Environmental Quality, 2006, 35, 1078-1087.	2.0	21
25	Sestonic Chlorophyll-a Shows Hierarchical Structure and Thresholds with Nutrients across the Red River Basin, USA. Journal of Environmental Quality, 2013, 42, 437-445.	2.0	16
26	Identification and evaluation of nutrient limitation on periphyton growth in headwater streams in the Pawnee Nation, Oklahoma. Ecological Engineering, 2008, 32, 178-186.	3.6	15
27	Predicting changes in yield and water use in the production of corn in the United States under climate change scenarios. Ecological Engineering, 2015, 82, 555-565.	3.6	12
28	Spatiotemporal variation of bacterial water quality and the relationship with pasture land cover. Journal of Water and Health, 2017, 15, 839-848.	2.6	12
29	BROILER LITTER RATE EFFECTS ON NUTRIENT LEACHING FROM SOIL UNDER PASTURE VEGETATION IN THE OZARK HIGHLANDS. Soil Science, 2007, 172, 1001-1018.	0.9	11
30	Land use effects on stream nutrients at Beaver Lake Watershed. Journal - American Water Works Association, 2013, 105, E1.	0.3	10
31	Can We Manage Nonpointâ€Source Pollution Using Nutrient Concentrations during Seasonal Baseflow?. Agricultural and Environmental Letters, 2016, 1, 160015.	1.2	9
32	Effect of Leaf Litter on Phosphorus Retention and Hydrological Properties at a First Order Stream in Northeast Oklahoma, USA. Journal of Freshwater Ecology, 2003, 18, 557-565.	1.2	7
33	Impact of Macropores and Gravel Outcrops on Phosphorus Leaching at the Plot Scale in Silt Loam Soils. Transactions of the ASABE, 2017, 60, 823-835.	1.1	7
34	Physicochemical Characterization of Sediment in Northwest Arkansas Streams. Journal of Environmental Protection, 2011, 02, 629-638.	0.7	7
35	Unconventional natural gas development did not result in detectable changes in water chemistry (within the South Fork Little Red River). Environmental Monitoring and Assessment, 2017, 189, 209.	2.7	6
36	Phosphorus Uptake and Release from Submerged Sediments in a Simulated Stream Channel Inundated with a Poultry Litter Source. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	5

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37	Implementing Effects-Based Water Quality Criteria for Eutrophication in Beaver Lake, Arkansas: Linking Standard Development and Assessment Methodology. Journal of Environmental Quality, 2015, 44, 1503-1512.	2.0	5
38	Establishing the linkages among watershed threats, in-stream alterations and biological responses remains a challenge: Fayetteville Shale as a case study. Current Opinion in Environmental Science and Health, 2018, 3, 27-32.	4.1	5
39	Are Floodplain Soils a Potential Phosphorus Source When Inundated That Can Be Effectively Managed?. Agricultural and Environmental Letters, 2016, 1, 160036.	1.2	4
40	Risk Indicators for Identifying Critical Source Areas in Five Arkansas Watersheds. Transactions of the ASABE, 2018, 61, 1025-1032.	1.1	4
41	Can high volume hydraulic fracturing effects be detected in large watersheds? A case study of the South Fork Little Red River. Current Opinion in Environmental Science and Health, 2018, 3, 40-46.	4.1	4
42	Phosphorus Transport in Streams. , 2006, , 105-130.		4
43	Biological Assessment to Support Ecological Recovery of a Degraded Headwater System. Environmental Management, 2010, 46, 459-470.	2.7	3
44	Water Chemistry During Baseflow Helps Inform Watershed Management: A Case Study of the Lake Wister Watershed, Oklahoma. Journal of Contemporary Water Research and Education, 2018, 165, 42-58.	0.7	3
45	New Distribution Records of An Endemic Diving Beetle, Heterosternuta sulphuria (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Naturalist, 2009, 54, 357-361.	0.1	2
46	Periphyton Nutrient Limitation and Maximum Potential Productivity in the Beaver Lake Basin, United States¹. Journal of the American Water Resources Association, 2012, 48, 896-908.	2.4	1
47	Student Perceptions of the Arkansas Water Resources Center, Water Resources, and Water Issues. Journal of Natural Resources and Life Sciences Education, 2015, 44, 136-142.	1.5	1
48	Optimizing the flow adjustment of constituent concentrations via LOESS for trend analysis. Environmental Monitoring and Assessment, 2018, 190, 103.	2.7	1
49	Mitigating Soil Phosphorus Release Using Liquid Water Treatment Residuals. Journal - American Water Works Association, 2018, 110, E36.	0.3	1
50	Reducing Dissolved Phosphorus in Stream Water May Not Influence Estimation of Sediment Equilibrium Phosphorus Concentrations. , 2019, 2, 1-5.		1
51	Water quality concentration trends and loads identify management needs in the Lake Wister watershed. , 2022, 5, .		1
52	Measurable microcystin in Ozark streams was rare during summer 2018 baseflow conditions. Agricultural and Environmental Letters, 2022, 7, .	1.2	1
53	Water quality adjacent to swine slurry holding ponds associated with a concentrated animal feeding operation. , 2022, 5, .		1
54	Substituting values for censored data from Texas, USA, reservoirs inflated and obscured trends in analyses commonly used for water quality target development. Environmental Monitoring and Assessment, 2018, 190, 394.	2.7	0

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55	Natural Characteristics and Human Activity Influence Turbidity and Ion Concentrations in Streams. Journal of Contemporary Water Research and Education, 2021, 172, 34-49.	0.7	0
56	Manipulating Microvolumes of Fluids By Redox-Magnetohydrodynamics for Applications in Chemical Analysis. ECS Meeting Abstracts, 2021, MA2021-01, 1610-1610.	0.0	0