

Michelle A Baker

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,716
citations

236612

25
h-index

214527

47
g-index

54
all docs

54
docs citations

54
times ranked

2965
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic matter sources and composition in four watersheds with mixed land cover. <i>Hydrobiologia</i> , 2022, 849, 2663-2682.	1.0	2
2	Stream Dissolved Organic Matter in Permafrost Regions Shows Surprising Compositional Similarities but Negative Priming and Nutrient Effects. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006719.	1.9	30
3	Water column contributions to the metabolism and nutrient dynamics of mid-sized rivers. <i>Biogeochemistry</i> , 2021, 153, 67-84.	1.7	7
4	Nutrients and Pharmaceuticals Structure Bacterial Core Communities in Urban and Montane Stream Biofilms. <i>Frontiers in Microbiology</i> , 2020, 11, 526545.	1.5	4
5	Towards more realistic estimates of DOM decay in streams: Incubation methods, light, and non-additive effects. <i>Freshwater Science</i> , 2020, 39, 559-575.	0.9	3
6	Stream Microbial Community Structured by Trace Elements, Headwater Dispersal, and Large Reservoirs in Sub-Alpine and Urban Ecosystems. <i>Frontiers in Microbiology</i> , 2020, 11, 491425.	1.5	7
7	Organic Matter Is a Mixture of Terrestrial, Autochthonous, and Wastewater Effluent in an Urban River. <i>Frontiers in Environmental Science</i> , 2020, 7, .	1.5	9
8	Measuring and Visualizing Research Collaboration and Productivity. <i>Journal of Data and Information Science</i> , 2018, 3, 54-81.	0.5	5
9	Conservative and Reactive Solute Dynamics. , 2017, , 129-145.		22
10	Designing and Implementing a Network for Sensing Water Quality and Hydrology across Mountain to Urban Transitions. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1095-1120.	1.0	19
11	Scaling Dissolved Nutrient Removal in River Networks: A Comparative Modeling Investigation. <i>Water Resources Research</i> , 2017, 53, 9623-9641.	1.7	21
12	Filtering with a drill pump: an efficient method to collect suspended sediment. <i>Journal of the American Water Resources Association</i> , 2016, 52, 262-268.	1.0	6
13	Beyond the urban stream syndrome: organic matter budget for diagnostics and restoration of an impaired urban river. <i>Urban Ecosystems</i> , 2016, 19, 1623-1643.	1.1	16
14	Beyond the urban stream syndrome: organic matter budget for diagnostics and restoration of an impaired urban river. <i>Urban Ecosystems</i> , 2016, 19, 1041-1061.	1.1	5
15	Translational training for tomorrow's environmental scientists. <i>Journal of Environmental Studies and Sciences</i> , 2016, 6, 295-299.	0.9	27
16	Contrasting soil nitrogen dynamics across a montane meadow and urban lawn in a semi-arid watershed. <i>Urban Ecosystems</i> , 2016, 19, 1083-1101.	1.1	10
17	Stream Nitrogen Inputs Reflect Groundwater Across a Snowmelt-Dominated Montane to Urban Watershed. <i>Environmental Science & Technology</i> , 2016, 50, 1137-1146.	4.6	31
18	Metabolism, Gas Exchange, and Carbon Spiraling in Rivers. <i>Ecosystems</i> , 2016, 19, 73-86.	1.6	134

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19	Riparian plant isotopes reflect anthropogenic nitrogen perturbations: robust patterns across land use gradients. <i>Ecosphere</i> , 2015, 6, 1-16.	1.0	12
20	<scp>iSAW</scp>: Integrating Structure, Actors, and Water to study socioâ€hydroâ€ecological systems. <i>Earth's Future</i> , 2015, 3, 110-132.	2.4	31
21	The varying role of water column nutrient uptake along river continua in contrasting landscapes. <i>Biogeochemistry</i> , 2015, 125, 115-131.	1.7	42
22	Modeling priming effects on microbial consumption of dissolved organic carbon in rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 982-995.	1.3	67
23	Solute-specific scaling of inorganic nitrogen and phosphorus uptake in streams. <i>Biogeosciences</i> , 2013, 10, 7323-7331.	1.3	72
24	Nitrogen partitioning and transport through a subalpine lake measured with an isotope tracer. <i>Limnology and Oceanography</i> , 2012, 57, 1503-1516.	1.6	13
25	Dynamics of nitrate production and removal as a function of residence time in the hyporheic zone. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	370
26	Lakes as buffers of stream dissolved organic matter (DOM) variability: Temporal patterns of DOM characteristics in mountain stream-lake systems. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
27	Labile dissolved organic carbon supply limits hyporheic denitrification. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	128
28	Dissimilatory nitrate reduction pathways in an oligotrophic freshwater ecosystem: spatial and temporal trends. <i>Aquatic Microbial Ecology</i> , 2011, 65, 55-64.	0.9	24
29	Separating physical and biological nutrient retention and quantifying uptake kinetics from ambient to saturation in successive mountain stream reaches. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	47
30	Mountain lakes increase organic matter decomposition rates in streams. <i>Journal of the North American Benthological Society</i> , 2010, 29, 521-529.	3.0	11
31	Differences in nitrate uptake among benthic algal assemblages in a mountain stream. <i>Journal of the North American Benthological Society</i> , 2009, 28, 24-33.	3.0	21
32	A method for estimating surface transient storage parameters for streams with concurrent hyporheic storage. <i>Water Resources Research</i> , 2009, 45, .	1.7	115
33	Hydrologic control of nitrogen removal, storage, and export in a mountain stream. <i>Limnology and Oceanography</i> , 2009, 54, 2128-2142.	1.6	83
34	Poor Growth of Rainbow Trout Fed New Zealand Mud Snails <i>Potamopyrgus antipodarum</i> . <i>North American Journal of Fisheries Management</i> , 2008, 28, 701-709.	0.5	85
35	Effects of periphyton stoichiometry on mayfly excretion rates and nutrient ratios. <i>Journal of the North American Benthological Society</i> , 2008, 27, 497-508.	3.0	24
36	ARE RIVERS JUST BIG STREAMS? A PULSE METHOD TO QUANTIFY NITROGEN DEMAND IN A LARGE RIVER. <i>Ecology</i> , 2008, 89, 2935-2945.	1.5	182

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37	Is in-stream N ₂ fixation an important N source for benthic communities and stream ecosystems?. <i>Journal of the North American Benthological Society</i> , 2008, 27, 186-211.	3.0	58
38	Discontinuities in stream nutrient uptake below lakes in mountain drainage networks. <i>Limnology and Oceanography</i> , 2007, 52, 1978-1990.	1.6	27
39	Disruptions of stream sediment size and stability by lakes in mountain watersheds: potential effects on periphyton biomass. <i>Journal of the North American Benthological Society</i> , 2007, 26, 390-400.	3.0	20
40	Stream geomorphology in a mountain lake district: hydraulic geometry, sediment sources and sinks, and downstream lake effects. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 525-543.	1.2	41
41	Surface-water hydrodynamics and regimes of a small mountain streamâ€“lake ecosystem. <i>Journal of Hydrology</i> , 2006, 329, 500-513.	2.3	33
42	BIOGEOCHEMICAL AND METABOLIC RESPONSES TO THE FLOOD PULSE IN A SEMIARID FLOODPLAIN. <i>Ecology</i> , 2005, 86, 220-234.	1.5	130
43	Soil carbon distribution and quality in a montane rangeland-forest mosaic in northern Utah. <i>Forest Ecology and Management</i> , 2005, 220, 284-299.	1.4	35
44	Hydrological variability, organic matter supply and denitrification in the Garonne River ecosystem. <i>Freshwater Biology</i> , 2004, 49, 181-190.	1.2	125
45	Coupled biogeochemical and hydrological responses of streams and rivers to drought. <i>Freshwater Biology</i> , 2003, 48, 1219-1231.	1.2	152
46	Anoxia, Anaerobic Metabolism, and Biogeochemistry of the Stream-waterâ€“Ground-water Interface. , 2000, , 259-283.		35
47	ORGANIC CARBON SUPPLY AND METABOLISM IN A SHALLOW GROUNDWATER ECOSYSTEM. <i>Ecology</i> , 2000, 81, 3133-3148.	1.5	196
48	ORGANIC CARBON SUPPLY AND METABOLISM IN A SHALLOW GROUNDWATER ECOSYSTEM. , 2000, 81, 3133.		8
49	Acetate retention and metabolism in the hyporheic zone of a mountain stream. <i>Limnology and Oceanography</i> , 1999, 44, 1530-1539.	1.6	113
50	Genotoxic effects of gossypol acetic acid on cultured murine erythroleukemia cells. <i>Environmental and Molecular Mutagenesis</i> , 1991, 18, 212-219.	0.9	6