

Aaron I Packman

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

8,948
citations

38742

50
h-index

46799

89
g-index

155
all docs

155
docs citations

155
times ranked

8206
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical controls on organic carbon fluxes in fluvial networks. <i>Nature Geoscience</i> , 2008, 1, 95-100.	12.9	1,102
2	Hyporheic flow and transport processes: Mechanisms, models, and biogeochemical implications. <i>Reviews of Geophysics</i> , 2014, 52, 603-679.	23.0	642
3	The extracellular matrix protects <i>Pseudomonas aeruginosa</i> biofilms by limiting the penetration of tobramycin. <i>Environmental Microbiology</i> , 2013, 15, 2865-2878.	3.8	357
4	Hyporheic Exchange with Gravel Beds: Basic Hydrodynamic Interactions and Bedform-Induced Advective Flows. <i>Journal of Hydraulic Engineering</i> , 2004, 130, 647-656.	1.5	235
5	Hyporheic exchange with heterogeneous streambeds: Laboratory experiments and modeling. <i>Water Resources Research</i> , 2004, 40, .	4.2	226
6	Effect of flow-induced exchange in hyporheic zones on longitudinal transport of solutes in streams and rivers. <i>Water Resources Research</i> , 2002, 38, 2-1-2-15.	4.2	197
7	Transport and Fate of Microbial Pathogens in Agricultural Settings. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 775-893.	12.8	197
8	Rethinking wastewater risks and monitoring in light of the COVID-19 pandemic. <i>Nature Sustainability</i> , 2020, 3, 981-990.	23.7	195
9	A multiscale model for integrating hyporheic exchange from ripples to meanders. <i>Water Resources Research</i> , 2010, 46, .	4.2	168
10	Interplay of stream-subsurface exchange, clay particle deposition, and streambed evolution. <i>Water Resources Research</i> , 2003, 39, .	4.2	156
11	A physicochemical model for colloid exchange between a stream and a sand streambed with bed forms. <i>Water Resources Research</i> , 2000, 36, 2351-2361.	4.2	150
12	Hyporheic exchange of solutes and colloids with moving bed forms. <i>Water Resources Research</i> , 2001, 37, 2591-2605.	4.2	144
13	Fractal topography and subsurface water flows from fluvial bedforms to the continental shield. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	140
14	Effects of suspended sediment characteristics and bed sediment transport on streambed clogging. <i>Hydrological Processes</i> , 2005, 19, 413-427.	2.6	137
15	Kaolinite exchange between a stream and streambed: Laboratory experiments and validation of a colloid transport model. <i>Water Resources Research</i> , 2000, 36, 2363-2372.	4.2	114
16	A continuous time random walk approach to the stream transport of solutes. <i>Water Resources Research</i> , 2007, 43, .	4.2	110
17	Cooling water use in thermoelectric power generation and its associated challenges for addressing water-energy nexus. <i>Water-Energy Nexus</i> , 2018, 1, 26-41.	4.0	110
18	Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. <i>MBio</i> , 2019, 10, .	4.1	108

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19	Effect of bed form geometry on the penetration of nonreactive solutes into a streambed. <i>Water Resources Research</i> , 2002, 38, 27-1-27-12.	4.2	104
20	Hydrogeomorphology of the hyporheic zone: Stream solute and fine particle interactions with a dynamic streambed. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	99
21	A systematic review of the human health and social well-being outcomes of green infrastructure for stormwater and flood management. <i>Journal of Environmental Management</i> , 2019, 246, 868-880.	7.8	99
22	Exact three-dimensional spectral solution to surface-groundwater interactions with arbitrary surface topography. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	98
23	Relative roles of stream flow and sedimentary conditions in controlling hyporheic exchange. <i>Hydrobiologia</i> , 2003, 494, 291-297.	2.0	91
24	Interactions between hyporheic flow produced by stream meanders, bars, and dunes. <i>Water Resources Research</i> , 2013, 49, 5450-5461.	4.2	88
25	Association of <i>Cryptosporidium parvum</i> with Suspended Particles: Impact on Oocyst Sedimentation. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1072-1078.	3.1	82
26	Pore-scale analysis of permeability reduction resulting from colloid deposition. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	79
27	Spatiotemporal scaling of hydrological and agrochemical export dynamics in a tile-drained Midwestern watershed. <i>Water Resources Research</i> , 2011, 47, .	4.2	79
28	Knowledge, attitudes, intentions, and behavior related to green infrastructure for flood management: A systematic literature review. <i>Science of the Total Environment</i> , 2020, 720, 137606.	8.0	79
29	Transport of <i>Cryptosporidium parvum</i> in porous media: Long-term elution experiments and continuous time random walk filtration modeling. <i>Water Resources Research</i> , 2006, 42, .	4.2	78
30	Temporal Variations in the Abundance and Composition of Biofilm Communities Colonizing Drinking Water Distribution Pipes. <i>PLoS ONE</i> , 2014, 9, e98542.	2.5	77
31	Modeling Surface-Subsurface Hydrological Interactions. , 2000, , 45-80.		76
32	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , 2021, 268, 115750.	7.5	75
33	Hyporheic flows in stratified beds. <i>Water Resources Research</i> , 2008, 44, .	4.2	73
34	Comparison of transient storage in vegetated and unvegetated reaches of a small agricultural stream in Sweden: seasonal variation and anthropogenic manipulation. <i>Advances in Water Resources</i> , 2003, 26, 951-964.	3.8	69
35	Effects of solute breakthrough curve tail truncation on residence time estimates: A synthesis of solute tracer injection studies. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	69
36	Physical controls and predictability of stream hyporheic flow evaluated with a multiscale model. <i>Water Resources Research</i> , 2012, 48, .	4.2	68

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37	Microplastic accumulation in riverbed sediment via hyporheic exchange from headwaters to mainstems. <i>Science Advances</i> , 2022, 8, eabi9305.	10.3	68
38	Retention and remobilization dynamics of fine particles and microorganisms in pastoral streams. <i>Water Research</i> , 2014, 66, 459-472.	11.3	67
39	Temporal evolution of pore geometry, fluid flow, and solute transport resulting from colloid deposition. <i>Water Resources Research</i> , 2009, 45, .	4.2	66
40	Linking fluvial bed sediment transport across scales. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	64
41	Significance of Hyporheic Exchange for Predicting Microplastic Fate in Rivers. <i>Environmental Science and Technology Letters</i> , 2020, 7, 727-732.	8.7	64
42	Capture and Retention of <i>Cryptosporidium parvum</i> Oocysts by <i>Pseudomonas aeruginosa</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6242-6247.	3.1	61
43	Groundwater-based thermography of fluvial systems at low and high discharge reveals potential complex thermal heterogeneity driven by flow variation and bioroughness. <i>Hydrological Processes</i> , 2008, 22, 980-986.	2.6	60
44	Coupled Stream-Subsurface Exchange of Colloidal Hematite and Dissolved Zinc, Copper, and Phosphate. <i>Environmental Science & Technology</i> , 2005, 39, 6387-6394.	10.0	59
45	Spatial Patterns of Carbonate Biomineralization in Biofilms. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7403-7410.	3.1	59
46	Application of the transient storage model to analyze advective hyporheic exchange with deep and shallow sediment beds. <i>Water Resources Research</i> , 2003, 39, .	4.2	58
47	Effects of Background Water Composition on Stream-Subsurface Exchange of Submicron Colloids. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 624-634.	1.4	55
48	Biofilm-induced bioclogging produces sharp interfaces in hyporheic flow, redox conditions, and microbial community structure. <i>Geophysical Research Letters</i> , 2017, 44, 4917-4925.	4.0	55
49	Deposition of <i>Cryptosporidium</i> Oocysts in Streambeds. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1810-1816.	3.1	54
50	Stochastic modeling of fine particulate organic carbon dynamics in rivers. <i>Water Resources Research</i> , 2014, 50, 4341-4356.	4.2	53
51	A novel planar flow cell for studies of biofilm heterogeneity and flow-biofilm interactions. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2571-2582.	3.3	52
52	Microbial Transport, Retention, and Inactivation in Streams: A Combined Experimental and Stochastic Modeling Approach. <i>Environmental Science & Technology</i> , 2015, 49, 7825-7833.	10.0	50
53	Advancing our predictive understanding of river corridor exchange. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1327.	6.5	50
54	Parameter Estimation of the Transient Storage Model for Stream-Subsurface Exchange. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 456-463.	1.4	49

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55	Stream-Subsurface Exchange of Zinc in the Presence of Silica and Kaolinite Colloids. <i>Environmental Science & Technology</i> , 2004, 38, 6571-6581.	10.0	48
56	Modeling of Simultaneous Exchange of Colloids and Sorbing Contaminants between Streams and Streambeds. <i>Environmental Science & Technology</i> , 2004, 38, 2901-2911.	10.0	48
57	<i>Pseudomonas aeruginosa</i> Promotes <i>Escherichia coli</i> Biofilm Formation in Nutrient-Limited Medium. <i>PLoS ONE</i> , 2014, 9, e107186.	2.5	47
58	Imaging of colloidal deposits in granular porous media by X-ray difference microtomography. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	43
59	Biophysicochemical process coupling controls nitrogen use by benthic biofilms. <i>Limnology and Oceanography</i> , 2007, 52, 1665-1671.	3.1	41
60	Coupled Effects of Hydrodynamics and Biogeochemistry on Zn Mobility and Speciation in Highly Contaminated Sediments. <i>Environmental Science & Technology</i> , 2015, 49, 5346-5353.	10.0	41
61	A conceptual model for the blooming behavior and persistence of the benthic mat-forming diatom <i>Didymosphenia geminata</i> in oligotrophic streams. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
62	Effects of overlying velocity on periphyton structure and denitrification. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	38
63	Interactions between the mat-forming alga <i>Didymosphenia geminata</i> and its hydrodynamic environment. <i>Limnology & Oceanography Fluids & Environments</i> , 2011, 1, 4-22.	1.7	38
64	FracFit: A robust parameter estimation tool for fractional calculus models. <i>Water Resources Research</i> , 2017, 53, 2559-2567.	4.2	38
65	A multi-scale investigation of interfacial transport, pore fluid flow, and fine particle deposition in a sediment bed. <i>Water Resources Research</i> , 2010, 46, .	4.2	37
66	Fine particle retention within stream storage areas at base flow and in response to a storm event. <i>Water Resources Research</i> , 2017, 53, 5690-5705.	4.2	37
67	Toward a conceptual framework of hyporheic exchange across spatial scales. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 6163-6185.	4.9	37
68	Turbulence Links Momentum and Solute Exchange in Coarse-Grained Streambeds. <i>Water Resources Research</i> , 2018, 54, 3225-3242.	4.2	36
69	Effects of resuspension on the mobility and chemical speciation of zinc in contaminated sediments. <i>Journal of Hazardous Materials</i> , 2019, 364, 300-308.	12.4	35
70	The Need for an Integrated Land-Lake-Atmosphere Modeling System, Exemplified by North America's Great Lakes Region. <i>Earth's Future</i> , 2018, 6, 1366-1379.	6.3	34
71	Interactions Between Suspended Kaolinite Deposition and Hyporheic Exchange Flux Under Losing and Gaining Flow Conditions. <i>Geophysical Research Letters</i> , 2018, 45, 4077-4085.	4.0	34
72	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1545-1551.	2.4	34

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73	Effects of fluid flow conditions on interactions between species in biofilms. <i>FEMS Microbiology Ecology</i> , 2013, 84, 344-354.	2.7	33
74	Role of bacterial adhesion in the microbial ecology of biofilms in cooling tower systems. <i>Biofouling</i> , 2009, 25, 241-253.	2.2	32
75	Effects of benthic and hyporheic reactive transport on breakthrough curves. <i>Freshwater Science</i> , 2015, 34, 301-315.	1.8	32
76	Comparison of biofilm cell quantification methods for drinking water distribution systems. <i>Journal of Microbiological Methods</i> , 2018, 144, 8-21.	1.6	32
77	Benthic biofilm controls on fine particle dynamics in streams. <i>Water Resources Research</i> , 2017, 53, 222-236.	4.2	31
78	Changes in streambed sediment characteristics and solute transport in the headwaters of Valley Creek, an urbanizing watershed. <i>Journal of Hydrology</i> , 2006, 323, 74-91.	5.4	30
79	Covariation in patterns of turbulence-driven hyporheic flow and denitrification enhances reach-scale nitrogen removal. <i>Water Resources Research</i> , 2017, 53, 6927-6944.	4.2	30
80	Microbial diversity in an intensively managed landscape is structured by landscape connectivity. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	30
81	Development of Layered Sediment Structure and its Effects on Pore Water Transport and Hyporheic Exchange. <i>Water, Air and Soil Pollution</i> , 2006, 6, 433-442.	0.8	29
82	Disinfection of bacterial biofilms in pilot-scale cooling tower systems. <i>Biofouling</i> , 2011, 27, 393-402.	2.2	28
83	Biofilm responses to smooth flow fields and chemical gradients in novel microfluidic flow cells. <i>Biotechnology and Bioengineering</i> , 2014, 111, 597-607.	3.3	28
84	A multiscale statistical method to identify potential areas of hyporheic exchange for river restoration planning. <i>Environmental Modelling and Software</i> , 2019, 111, 311-323.	4.5	27
85	Changes in fine sediment size distributions due to interactions with streambed sediments. <i>Sedimentary Geology</i> , 2007, 202, 529-537.	2.1	26
86	Effects of Turbulent Hyporheic Mixing on Reach-Scale Transport. <i>Water Resources Research</i> , 2019, 55, 3780-3795.	4.2	26
87	Organizational Principles of Hyporheic Exchange Flow and Biogeochemical Cycling in River Networks Across Scales. <i>Water Resources Research</i> , 2022, 58, .	4.2	26
88	Effects of overlying velocity, particle size, and biofilm growth on stream-subsurface exchange of particles. <i>Hydrological Processes</i> , 2010, 24, 108-114.	2.6	25
89	Using X-ray microtomography and pore-scale modeling to quantify sediment mixing and fluid flow in a developing streambed. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	23
90	<i>In Situ</i> Biomineralization and Particle Deposition Distinctively Mediate Biofilm Susceptibility to Chlorine. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2886-2892.	3.1	23

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91	Spatial and temporal variation in river corridor exchange across a 5th-order mountain stream network. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 5199-5225.	4.9	23
92	Patterns, puzzles and people: implementing hydrologic synthesis. <i>Hydrological Processes</i> , 2011, 25, 3256-3266.	2.6	22
93	An Integrated Experimental and Modeling Approach to Predict Sediment Mixing from Benthic Burrowing Behavior. <i>Environmental Science & Technology</i> , 2016, 50, 10047-10054.	10.0	22
94	Interplay between flow and bioturbation enhances metal efflux from low-permeability sediments. <i>Journal of Hazardous Materials</i> , 2018, 341, 304-312.	12.4	22
95	Applicability of the Transient Storage Model to the hyporheic exchange of metals. <i>Journal of Contaminant Hydrology</i> , 2006, 84, 21-35.	3.3	21
96	Ureolytic Biomineralization Reduces <i>Proteus mirabilis</i> Biofilm Susceptibility to Ciprofloxacin. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2993-3000.	3.2	21
97	Relating phosphorus uptake to changes in transient storage and streambed sediment characteristics in headwater tributaries of Valley Creek, an urbanizing watershed. <i>Journal of Hydrology</i> , 2007, 336, 444-457.	5.4	20
98	Deposition of <i>Cryptosporidium parvum</i> Oocysts in Porous Media: A Synthesis of Attachment Efficiencies Measured under Varying Environmental Conditions. <i>Environmental Science & Technology</i> , 2012, 46, 9491-9500.	10.0	20
99	Instream variability in solute transport: Hydrologic and geomorphic controls on solute retention. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 413-422.	2.8	19
100	Biomineralization strongly modulates the formation of <i>Proteus mirabilis</i> and <i>Pseudomonas aeruginosa</i> dual-species biofilms. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv189.	2.7	19
101	Experimental techniques for laboratory investigation of clay colloid transport and filtration in a stream with a sand bed. <i>Water, Air, and Soil Pollution</i> , 1997, 99, 113-122.	2.4	18
102	Fine-Particle Deposition, Retention, and Resuspension Within a Sand-Bedded Stream Are Determined by Streambed Morphodynamics. <i>Water Resources Research</i> , 2019, 55, 10303-10318.	4.2	18
103	Impacts of Suspended Clay Particle Deposition on Sand-Bed Morphodynamics. <i>Water Resources Research</i> , 2020, 56, e2019WR027010.	4.2	18
104	<i>Pseudomonas aeruginosa</i> facilitates <i>Campylobacter jejuni</i> growth in biofilms under oxic flow conditions. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv136.	2.7	17
105	Hydrodynamic Forcing Mobilizes Cu in Low-Permeability Estuarine Sediments. <i>Environmental Science & Technology</i> , 2016, 50, 4615-4623.	10.0	17
106	Less Fine Particle Retention in a Restored Versus Unrestored Urban Stream: Balance Between Hyporheic Exchange, Resuspension, and Immobilization. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1425-1439.	3.0	17
107	A Dual Domain stochastic lagrangian model for predicting transport in open channels with hyporheic exchange. <i>Advances in Water Resources</i> , 2019, 125, 57-67.	3.8	17
108	Nondestructive characterization of soft materials and biofilms by measurement of guided elastic wave propagation using optical coherence elastography. <i>Soft Matter</i> , 2019, 15, 575-586.	2.7	16

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109	Influence of Flow Conditions and System Geometry on Nitrate Use by Benthic Biofilms: Implications for Nutrient Mitigation. <i>Environmental Science & Technology</i> , 2007, 41, 8142-8148.	10.0	15
110	Characterization of soil profiles and elemental concentrations reveals deposition of heavy metals and phosphorus in a Chicago-area nature preserve, Gensburg Markham Prairie. <i>Journal of Soils and Sediments</i> , 2019, 19, 3817-3831.	3.0	15
111	Estimation of solute transport and storage parameters in a stream with anthropogenically produced unsteady flow and industrial bromide input. <i>Water Resources Research</i> , 2004, 40, .	4.2	14
112	Solute mixing regulates heterogeneity of mineral precipitation in porous media. <i>Geophysical Research Letters</i> , 2017, 44, 6658-6666.	4.0	14
113	Morphological analysis of pore size and connectivity in a thick mixed-culture biofilm. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2268-2279.	3.3	14
114	Solute Transport and Transformation in an Intermittent, Headwater Mountain Stream with Diurnal Discharge Fluctuations. <i>Water (Switzerland)</i> , 2019, 11, 2208.	2.7	14
115	Fine Sediment Deposition and Filtration Under Losing and Gaining Flow Conditions: A Particle Tracking Model Approach. <i>Water Resources Research</i> , 2020, 56, e2019WR026057.	4.2	14
116	Dynamics of Hyporheic Exchange Flux and Fine Particle Deposition Under Moving Bedforms. <i>Water Resources Research</i> , 2021, 57, e2020WR028541.	4.2	14
117	Co-located contemporaneous mapping of morphological, hydrological, chemical, and biological conditions in a 5th-order mountain stream network, Oregon, USA. <i>Earth System Science Data</i> , 2019, 11, 1567-1581.	9.9	14
118	<i>Nitrosomonas europaea</i> biofilm formation is enhanced by <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	13
119	The Hospital Microbiome Project: Meeting report for the 2nd Hospital Microbiome Project, Chicago, USA, January 15th, 2013. <i>Standards in Genomic Sciences</i> , 2013, 8, 571-579.	1.5	11
120	A Novel Framework for Simulating Particle Deposition With Moving Bedforms. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
121	Towards mechanical characterization of granular biofilms by optical coherence elastography measurements of circumferential elastic waves. <i>Soft Matter</i> , 2019, 15, 5562-5573.	2.7	9
122	Improving Predictions of Fine Particle Immobilization in Streams. <i>Geophysical Research Letters</i> , 2019, 46, 13853-13861.	4.0	9
123	Effects of vertical hydrodynamic mixing on photomineralization of dissolved organic carbon in arctic surface waters. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 748-760.	3.5	8
124	Soil hydrology drives ecological niche differentiation in a native prairie microbiome. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	8
125	Residence Time in Hyporheic Bioactive Layers Explains Nitrate Uptake in Streams. <i>Water Resources Research</i> , 2021, 57, e2020WR027646.	4.2	8
126	Analysis of an observed relationship between colloid collision efficiency and mean collector grain size. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 191, 133-144.	4.7	7

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127	Cryptosporidium oocyst persistence in agricultural streams – a mobile-immobile model framework assessment. <i>Scientific Reports</i> , 2018, 8, 4603.	3.3	7
128	Advancing river corridor science beyond disciplinary boundaries with an inductive approach to catalyse hypothesis generation. <i>Hydrological Processes</i> , 2022, 36, .	2.6	7
129	A Process-Based Model for Bioturbation-Induced Mixing. <i>Scientific Reports</i> , 2017, 7, 14287.	3.3	6
130	Effect of Decreasing Biological Lability on Dissolved Organic Matter Dynamics in Streams. <i>Water Resources Research</i> , 2021, 57, e2020WR027918.	4.2	6
131	Green roof vegetation management alters potential for water quality and temperature mitigation. <i>Ecohydrology</i> , 2021, 14, e2321.	2.4	5
132	Bedform segregation and locking increase storage of natural and synthetic particles in rivers. <i>Nature Communications</i> , 2021, 12, 7315.	12.8	5
133	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1997, 99, 113-122.	2.4	3
134	Building bacterial bridges. <i>Nature Geoscience</i> , 2013, 6, 682-683.	12.9	3
135	Methods for Characterizing the Co-development of Biofilm and Habitat Heterogeneity. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	3
136	Fine particle transport dynamics in response to wood additions in a small agricultural stream. <i>Hydrological Processes</i> , 2020, 34, 4128-4138.	2.6	3
137	Hydraulic drivers of populations, communities and ecosystem processes. <i>Journal of Ecohydraulics</i> , 2021, 6, 91-94.	3.1	3
138	Double Averaging Analysis Applied to a Large Eddy Simulation of Coupled Turbulent Overlying and Porewater Flow. <i>Water Resources Research</i> , 2021, 57, e2021WR029918.	4.2	3
139	Visualizing Hyporheic Flow Through Bedforms Using Dye Experiments and Simulation. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	2
140	A Miniaturized Testing Apparatus to Study the Chemo-Mechanics of Porous Media. <i>Geotechnical Testing Journal</i> , 2020, 43, 829-843.	1.0	2
141	Critical Capability Needs for Reduction of Transmission of SARS-CoV-2 Indoors. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 641599.	4.1	1