

# John M Melack

## List of Publications by Year in descending order

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225  
papers

21,775  
citations

10986

71  
h-index

10445

139  
g-index

230  
all docs

230  
docs citations

230  
times ranked

18658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	3.1	1,977
2	The global abundance and size distribution of lakes, ponds, and impoundments. <i>Limnology and Oceanography</i> , 2006, 51, 2388-2397.	3.1	1,426
3	Riverine coupling of biogeochemical cycles between land, oceans, and atmosphere. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 53-60.	4.0	927
4	Outgassing from Amazonian rivers and wetlands as a large tropical source of atmospheric CO <sub>2</sub> . <i>Nature</i> , 2002, 416, 617-620.	27.8	911
5	Rapid and highly variable warming of lake surface waters around the globe. <i>Geophysical Research Letters</i> , 2015, 42, 10,773.	4.0	767
6	Dual-season mapping of wetland inundation and vegetation for the central Amazon basin. <i>Remote Sensing of Environment</i> , 2003, 87, 404-428.	11.0	496
7	An integrated conceptual framework for long-term social-ecological research. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 351-357.	4.0	462
8	The use of imaging radars for ecological applications—A review. <i>Remote Sensing of Environment</i> , 1997, 59, 141-156.	11.0	390
9	Half of global methane emissions come from highly variable aquatic ecosystem sources. <i>Nature Geoscience</i> , 2021, 14, 225-230.	12.9	388
10	Decomposition and carbon cycling of dead trees in tropical forests of the central Amazon. <i>Oecologia</i> , 2000, 122, 380-388.	2.0	360
11	Landscape indicators of human impacts to riverine systems. , 2002, 64, 118-128.		325
12	Climatic and Hydrologic Changes in the Tien Shan, Central Asia. <i>Journal of Climate</i> , 1997, 10, 1393-1404.	3.2	319
13	Precipitation and atmospheric circulation patterns at mid-latitudes of Asia. <i>International Journal of Climatology</i> , 2001, 21, 535-556.	3.5	311
14	Episodic rewetting enhances carbon and nitrogen release from chaparral soils. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2195-2204.	8.8	305
15	Transport of organic carbon in the world's rivers. <i>Tellus</i> , 1981, 33, 172-187.	0.8	295
16	Interferometric radar measurements of water level changes on the Amazon flood plain. <i>Nature</i> , 2000, 404, 174-177.	27.8	277
17	Remote sensing of aquatic vegetation: theory and applications. <i>Environmental Monitoring and Assessment</i> , 2008, 140, 131-145.	2.7	245
18	Photosynthetic rates of phytoplankton in East African alkaline, saline lakes <sup>1</sup> . <i>Limnology and Oceanography</i> , 1974, 19, 743-755.	3.1	216

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19	Regionalization of methane emissions in the Amazon Basin with microwave remote sensing. <i>Global Change Biology</i> , 2004, 10, 530-544.	9.5	212
20	The impact of accelerating land-use change on the N-Cycle of tropical aquatic ecosystems: Current conditions and projected changes. <i>Biogeochemistry</i> , 1999, 46, 109-148.	3.5	209
21	Spatial patterns of hydrology, geomorphology, and vegetation on the floodplain of the Amazon river in Brazil from a remote sensing perspective. <i>Geomorphology</i> , 1995, 13, 215-232.	2.6	206
22	Methane flux from the central Amazonian floodplain. <i>Journal of Geophysical Research</i> , 1988, 93, 1571-1582.	3.3	200
23	Wetlands of the Lowland Amazon Basin: Extent, Vegetative Cover, and Dual-season Inundated Area as Mapped with JERS-1 Synthetic Aperture Radar. <i>Wetlands</i> , 2015, 35, 745-756.	1.5	195
24	Comparison of inundation patterns among major South American floodplains. <i>Journal of Geophysical Research</i> , 2002, 107, LBA 5-1.	3.3	190
25	A machine learning approach to estimate chlorophyll-a from Landsat-8 measurements in inland lakes. <i>Remote Sensing of Environment</i> , 2020, 248, 111974.	11.0	184
26	Elemental Dynamics in Streams. <i>Journal of the North American Benthological Society</i> , 1988, 7, 410-432.	3.1	178
27	Modeling large-scale inundation of Amazonian seasonally flooded wetlands. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	177
28	Solute chemistry of snowmelt and runoff in an Alpine Basin, Sierra Nevada. <i>Water Resources Research</i> , 1991, 27, 1575-1588.	4.2	174
29	Understanding the radar backscattering from flooded and nonflooded Amazonian forests: Results from canopy backscatter modeling. <i>Remote Sensing of Environment</i> , 1995, 54, 324-332.	11.0	167
30	Primary Productivity and Fish Yields in Tropical Lakes. <i>Transactions of the American Fisheries Society</i> , 1976, 105, 575-580.	1.4	166
31	CO <sub>2</sub> emissions from a tropical hydroelectric reservoir (Balbina, Brazil). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	160
32	The potential impact of new Andean dams on Amazon fluvial ecosystems. <i>PLoS ONE</i> , 2017, 12, e0182254.	2.5	153
33	Spatial and temporal complexity of the Amazon flood measured from space. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	151
34	Seasonal inundation patterns in two large savanna floodplains of South America: the Llanos de Moxos (Bolivia) and the Llanos del Orinoco (Venezuela and Colombia). <i>Hydrological Processes</i> , 2004, 18, 2103-2116.	2.6	148
35	Projections of climate change effects on discharge and inundation in the Amazon basin. <i>Climatic Change</i> , 2016, 136, 555-570.	3.6	147
36	Nitrogen yields from undisturbed watersheds in the Americas. <i>Biogeochemistry</i> , 1999, 46, 149-162.	3.5	143

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37	Tropospheric methane from an Amazonian floodplain lake. <i>Journal of Geophysical Research</i> , 1988, 93, 1564-1570.	3.3	142
38	The effects of land use changes on streams and rivers in mediterranean climates. <i>Hydrobiologia</i> , 2013, 719, 383-425.	2.0	142
39	Temporal variability of phytoplankton in tropical lakes. <i>Oecologia</i> , 1979, 44, 1-7.	2.0	141
40	CO <sub>2</sub> emissions from saline lakes: A global estimate of a surprisingly large flux. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	137
41	An anoxic event and other biogeochemical effects of the Pantanal wetland on the Paraguay River. <i>Limnology and Oceanography</i> , 1997, 42, 257-272.	3.1	132
42	CLIMATE, SNOW COVER, GLACIERS, AND RUNOFF IN THE TIEN SHAN, CENTRAL ASIA. <i>Journal of the American Water Resources Association</i> , 1995, 31, 1113-1129.	2.4	131
43	Remote Sensing of the Distribution and Extent of Wetlands in the Amazon Basin. <i>Ecological Studies</i> , 2010, , 43-59.	1.2	131
44	Solute export from forested and partially deforested catchments in the central Amazon. <i>Biogeochemistry</i> , 1997, 38, 67-102.	3.5	129
45	Reducing greenhouse gas emissions of Amazon hydropower with strategic dam planning. <i>Nature Communications</i> , 2019, 10, 4281.	12.8	126
46	Flooding Hydrology and Mixture Dynamics of Lake Water Derived from Multiple Sources in an Amazon Floodplain Lake. <i>Water Resources Research</i> , 1995, 31, 329-345.	4.2	124
47	Evidence for nutrient enrichment of high-elevation lakes in the Sierra Nevada, California. <i>Limnology and Oceanography</i> , 2003, 48, 1885-1892.	3.1	119
48	Seasonal water storage on the Amazon floodplain measured from satellites. <i>Remote Sensing of Environment</i> , 2010, 114, 2448-2456.	11.0	119
49	Determination of inundation area in the Amazon River floodplain using the SMMR 37 GHz polarization difference. <i>Remote Sensing of Environment</i> , 1994, 48, 70-76.	11.0	118
50	Vertical and Horizontal Transport in Lakes: Linking Littoral, Benthic, and Pelagic Habitats. <i>Journal of the North American Benthological Society</i> , 1995, 14, 599-615.	3.1	113
51	Water level changes in a large Amazon lake measured with spaceborne radar interferometry and altimetry. <i>Geophysical Research Letters</i> , 2001, 28, 2671-2674.	4.0	112
52	Fire as a disturbance in mediterranean climate streams. <i>Hydrobiologia</i> , 2013, 719, 353-382.	2.0	103
53	Mechanisms underlying export of N from high-elevation catchments during seasonal transitions. <i>Biogeochemistry</i> , 2003, 64, 1-24.	3.5	100
54	Fluxes and transformations of nitrogen in a high-elevation catchment, Sierra Nevada. <i>Biogeochemistry</i> , 1995, 28, 1-31.	3.5	98

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55	Mechanisms for nutrient delivery to the inner shelf: Observations from the Santa Barbara Channel. <i>Limnology and Oceanography</i> , 2007, 52, 1748-1766.	3.1	96
56	Transport of carbon, nitrogen, phosphorus, and major solutes in the Gambia River, West Africa. <i>Limnology and Oceanography</i> , 1984, 29, 816-830.	3.1	95
57	Title is missing!. <i>Biogeochemistry</i> , 1997, 38, 303-335.	3.5	95
58	Inundation area and morphometry of lakes on the Amazon River floodplain, Brazil. <i>Archiv für Hydrobiologie</i> , 1992, 123, 385-400.	1.1	94
59	Meromixis in hypersaline Mono Lake, California. 1. Stratification and vertical mixing during the onset, persistence, and breakdown of meromixis. <i>Limnology and Oceanography</i> , 1993, 38, 1008-1019.	3.1	93
60	A multi-lake comparative analysis of the General Lake Model (GLM): Stress-testing across a global observatory network. <i>Environmental Modelling and Software</i> , 2018, 102, 274-291.	4.5	93
61	Geochemical and hydrologic controls on the composition of surface water in a high-elevation basin. Sierra Nevada, California. <i>Limnology and Oceanography</i> , 1993, 38, 775-797.	3.1	92
62	Major ion chemistry in a tropical African lake basin. <i>Freshwater Biology</i> , 1981, 11, 309-333.	2.4	91
63	Flooding dynamics on the lower Amazon floodplain: 1. Hydraulic controls on water elevation, inundation extent, and river-floodplain discharge. <i>Water Resources Research</i> , 2014, 50, 619-634.	4.2	90
64	Precipitation, melt and runoff in the northern Tien Shan. <i>Journal of Hydrology</i> , 1996, 186, 229-251.	5.4	86
65	Isotopic measurements of precipitation on central Asian glaciers (southeastern Tibet, northern Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	85
66	IMPACTS OF CALIFORNIA'S CLIMATIC REGIMES AND COASTAL LAND USE CHANGE ON STREAMFLOW CHARACTERISTICS. <i>Journal of the American Water Resources Association</i> , 2003, 39, 1419-1433.	2.4	80
67	Does flood rhythm drive ecosystem responses in tropical riverscapes?. <i>Ecology</i> , 2015, 96, 684-692.	3.2	77
68	Algal photosynthetic activity and its response to meromixis in hypersaline Mono Lake, California. <i>Limnology and Oceanography</i> , 1993, 38, 818-837.	3.1	76
69	Spatial and temporal variability of macrophyte cover and productivity in the eastern Amazon floodplain: A remote sensing approach. <i>Remote Sensing of Environment</i> , 2010, 114, 1998-2010.	11.0	76
70	Major Ion Chemistry and Sensitivity to Acid Precipitation of Sierra Nevada Lakes. <i>Water Resources Research</i> , 1985, 21, 27-32.	4.2	75
71	The Effect of an Extreme Rain Event on the Biogeochemistry and Ecosystem Metabolism of an Oligotrophic High-Elevation Lake. <i>Arctic, Antarctic, and Alpine Research</i> , 2012, 44, 222-231.	1.1	75
72	Precipitation chemistry in and ionic loading to an Alpine Basin, Sierra Nevada. <i>Water Resources Research</i> , 1991, 27, 1563-1574.	4.2	74

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73	Title is missing!. Biogeochemistry, 2000, 51, 71-90.	3.5	74
74	Photosynthesis and growth of <i>Spirulina platensis</i> (Cyanophyta) in an equatorial lake (Lake Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50	3.1	73
75	Meromixis in an equatorial African soda lake1. Limnology and Oceanography, 1982, 27, 595-609.	3.1	72
76	Meromixis in hypersaline Mono Lake, California. 2. Nitrogen fluxes. Limnology and Oceanography, 1993, 38, 1020-1039.	3.1	71
77	Nitrogen mass balances and abiotic controls on N retention and yield in high-elevation catchments of the Sierra Nevada, California, United States. Water Resources Research, 2001, 37, 1445-1461.	4.2	70
78	Responses of phytoplankton to experimental nutrient enrichment in an Amazon floodplain lake1. Limnology and Oceanography, 1984, 29, 972-984.	3.1	69
79	Seasonal changes in chlorophyll distributions in Amazon floodplain lakes derived from MODIS images. Limnology, 2006, 7, 153-161.	1.5	69
80	Biogeochemistry of Amazon Floodplain Lakes and Associated Wetlands. , 2001, , .		69
81	Consequences of riverine flooding for seston and theperiphyton of floating meadows in an Amazon floodplain lake. Limnology and Oceanography, 1993, 38, 1500-1520.	3.1	68
82	Responses of phytoplankton to experimental fertilization with ammonium and phosphate in an African soda lake. Oecologia, 1982, 52, 321-326.	2.0	67
83	Characterizing patterns of plant distribution in a southern California salt marsh using remotely sensed topographic and hyperspectral data and local tidal fluctuations. Remote Sensing of Environment, 2007, 110, 226-239.	11.0	67
84	Photosynthetic rates in four tropical African fresh waters. Freshwater Biology, 1979, 9, 555-571.	2.4	66
85	The Deposition, Composition, and Potential Sources of Major Ionic Solutes in Rain of the Central Amazon Basin. Water Resources Research, 1991, 27, 2953-2977.	4.2	66
86	Nitrogen yields from undisturbed watersheds in the Americas. Biogeochemistry, 1999, 46, 149-162.	3.5	64
87	Sources and spatial variation of the chemical composition of snow in the Tien Shan, China. Annals of Glaciology, 1992, 16, 25-32.	1.4	63
88	EFFECTS OF CLIMATE CHANGE ON INLAND WATERS OF THE PACIFIC COASTAL MOUNTAINS AND WESTERN GREAT BASIN OF NORTH AMERICA. Hydrological Processes, 1997, 11, 971-992.	2.6	63
89	Flooding dynamics on the lower Amazon floodplain: 2. Seasonal and interannual hydrological variability. Water Resources Research, 2014, 50, 635-649.	4.2	63
90	Title is missing!. Biogeochemistry, 2002, 57, 341-374.	3.5	62

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91	Carbon dioxide and methane emissions from interfluvial wetlands in the upper Negro River basin, Brazil. <i>Biogeochemistry</i> , 2011, 105, 171-183.	3.5	61
92	Primary Production and Fish Yields in Chinese Ponds and Lakes. <i>Transactions of the American Fisheries Society</i> , 1981, 110, 346-350.	1.4	60
93	Reducing adverse impacts of Amazon hydropower expansion. <i>Science</i> , 2022, 375, 753-760.	12.6	60
94	Contrasting the influences of stream inputs and landscape position on bacterioplankton community structure and dissolved organic matter composition in high-elevation lake chains. <i>Limnology and Oceanography</i> , 2009, 54, 1292-1305.	3.1	56
95	Deeper waters are changing less consistently than surface waters in a global analysis of 102 lakes. <i>Scientific Reports</i> , 2020, 10, 20514.	3.3	56
96	Assessing Nitrogen-Saturation in a Seasonally Dry Chaparral Watershed: Limitations of Traditional Indicators of N-Saturation. <i>Ecosystems</i> , 2014, 17, 1286-1305.	3.4	55
97	Association between atmospheric circulation patterns and firn-ice core records from the Inilchek glacierized area, central Tien Shan, Asia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	54
98	Floodplain ecosystem processes. <i>Geophysical Monograph Series</i> , 2009, , 525-541.	0.1	54
99	Concentration-Discharge Responses to Storm Events in Coastal California Watersheds. <i>Water Resources Research</i> , 2018, 54, 407-424.	4.2	54
100	Amazon Hydrology From Space: Scientific Advances and Future Challenges. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000728.	23.0	53
101	The onset of meromixis during restoration of Mono Lake, California: Unintended consequences of reducing water diversions. <i>Limnology and Oceanography</i> , 1998, 43, 706-711.	3.1	52
102	Linking diel patterns in community respiration to bacterioplankton in an oligotrophic high-elevation lake. <i>Limnology and Oceanography</i> , 2011, 56, 540-550.	3.1	50
103	High rates of net primary production and turnover of floating grasses on the Amazon floodplain: implications for aquatic respiration and regional CO <sub>2</sub> flux. <i>Global Change Biology</i> , 2008, 14, 369-381.	9.5	49
104	Depth-integrated estimates of ecosystem metabolism in a high-elevation lake (Emerald Lake, Sierra) Tj ETQq0 0.0 rgBT /Oyerklock 10	3.1	48
105	Initial impacts of a wildfire on hydrology and suspended sediment and nutrient export in California chaparral watersheds. <i>Hydrological Processes</i> , 2013, 27, 3842-3851.	2.6	47
106	Multiple Sources and Forms of Nitrogen Sustain Year-Round Kelp Growth on the Inner Continental Shelf of the Santa Barbara Channel. <i>Oceanography</i> , 2013, 26, 114-123.	1.0	46
107	The effects of changes in loblolly pine biomass and soil moisture on ERS-1 SAR backscatter. <i>Remote Sensing of Environment</i> , 1994, 49, 25-31.	11.0	45
108	Seasonal and spatial variability of CO <sub>2</sub> emission from a large floodplain lake in the lower Amazon. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	45

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109	Climate warming response of mountain lakes affected by variations in snow. <i>Limnology and Oceanography Letters</i> , 2019, 4, 9-17.	3.9	45
110	Organic matter accumulation in sediments of hypersaline Mono Lake during a period of changing salinity. <i>Limnology and Oceanography</i> , 1996, 41, 1539-1544.	3.1	44
111	The importance of forest cover for fish richness and abundance on the Amazon floodplain. <i>Hydrobiologia</i> , 2015, 750, 245-255.	2.0	44
112	Effects of Climate Variability on Snowmelt and Implications for Organic Matter in a High-Elevation Lake. <i>Water Resources Research</i> , 2018, 54, 4563-4578.	4.2	44
113	Title is missing!. <i>Biogeochemistry</i> , 1997, 39, 225-253.	3.5	43
114	Spatial and Temporal Variability in the Ecosystem Metabolism of a High-elevation Lake: Integrating Benthic and Pelagic Habitats. <i>Ecosystems</i> , 2011, 14, 1123-1140.	3.4	42
115	Decadal-scale Dynamics of Water, Carbon and Nitrogen in a California Chaparral Ecosystem: DAYCENT Modeling Results. <i>Biogeochemistry</i> , 2006, 77, 217-245.	3.5	41
116	Seasonal variation in nitrogen uptake and turnover in two high-elevation soils: mineralization responses are site-dependent. <i>Biogeochemistry</i> , 2009, 93, 253-270.	3.5	40
117	Title is missing!. <i>Biogeochemistry</i> , 1997, 37, 111-144.	3.5	39
118	Geocoded digital videography for validation of land cover mapping in the Amazon basin. <i>International Journal of Remote Sensing</i> , 2002, 23, 1527-1555.	2.9	39
119	Sensitivity of vertical mixing in a large saline lake to variations in runoff. <i>Limnology and Oceanography</i> , 1996, 41, 955-965.	3.1	38
120	Understanding and modeling basin hydrology: interpreting the hydrogeological signature. <i>Hydrological Processes</i> , 2005, 19, 1333-1353.	2.6	38
121	Mineralization responses at near-zero temperatures in three alpine soils. <i>Biogeochemistry</i> , 2007, 84, 233-245.	3.5	37
122	Diffusive methane fluxes from Negro, Solimões and Madeira rivers and fringing lakes in the Amazon basin. <i>Limnology and Oceanography</i> , 2016, 61, S221.	3.1	37
123	Glacial regime of the highest Tien Shan mountain, Pobeda-Khan Tengry massif. <i>Journal of Glaciology</i> , 1997, 43, 503-512.	2.2	36
124	Diffusion modeling of recessional flow on central Amazonian floodplains. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	36
125	Annual net primary production of macrophytes in the eastern Amazon floodplain. <i>Wetlands</i> , 2009, 29, 747-758.	1.5	36
126	Influence of plankton metabolism and mixing depth on CO <sub>2</sub> dynamics in an Amazon floodplain lake. <i>Science of the Total Environment</i> , 2018, 630, 1381-1393.	8.0	36



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127	Mass balance of major solutes in a rainforest catchment in the Central Amazon: Implications for nutrient budgets in tropical rainforests. <i>Biogeochemistry</i> , 1996, 32, 115.	3.5	35
128	Geospatial analysis of spatiotemporal patterns of pH, total suspended sediment and chlorophyll-a on the Amazon floodplain. <i>Limnology</i> , 2010, 11, 155-166.	1.5	35
129	Multiple climate change-driven tipping points for coastal systems. <i>Scientific Reports</i> , 2021, 11, 15560.	3.3	35
130	Responses of aquatic macrophyte cover and productivity to flooding variability on the Amazon floodplain. <i>Global Change Biology</i> , 2013, 19, 3379-3389.	9.5	34
131	The fan of influence of streams and channel feedbacks to simulated land surface water and carbon dynamics. <i>Water Resources Research</i> , 2016, 52, 880-902.	4.2	34
132	Responses of zooplankton and zoobenthos to experimental acidification in a high-elevation lake (Sierra Nevada, California, U.S.A.). <i>Freshwater Biology</i> , 1990, 23, 571-586.	2.4	33
133	Photosynthetic activity and respiration in an equatorial African soda lake. <i>Freshwater Biology</i> , 1982, 12, 381-400.	2.4	32
134	High rates of methane oxidation in an Amazon floodplain lake. <i>Biogeochemistry</i> , 2018, 137, 351-365.	3.5	32
135	Composition and deposition of throughfall in a flooded forest archipelago. <i>Biogeochemistry</i> , 1999, 45, 169-195.	3.5	31
136	Urea as a source of nitrogen to giant kelp ( <i>Macrocystis pyrifera</i> ). <i>Limnology and Oceanography Letters</i> , 2018, 3, 365-373.	3.9	30
137	Seasonal and Interannual Patterns and Controls of Hydrological Fluxes in an Amazon Floodplain Lake With a Surface-Subsurface Process Model. <i>Water Resources Research</i> , 2019, 55, 3056-3075.	4.2	30
138	A multidisciplinary coastal vulnerability assessment for local government focused on ecosystems, Santa Barbara area, California. <i>Ocean and Coastal Management</i> , 2019, 182, 104921.	4.4	30
139	Remote sensing of lakes and floodplains in the Amazon basin. <i>International Journal of Remote Sensing</i> , 1994, 10, 127-142.	1.0	29
140	Recent increase of river-floodplain suspended sediment exchange in a reach of the lower Amazon River. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 322-332.	2.5	29
141	Fallout Plutonium in an Alkaline, Saline Lake. <i>Science</i> , 1980, 207, 1071-1073.	12.6	28
142	Impacts of Climate Variability and Land Use Alterations on Frequency Distributions of Terrestrial Runoff Loading to Coastal Waters in Southern California <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2008, 44, 62-74.	2.4	28
143	Land use control of stream nitrate concentrations in mountainous coastal California watersheds. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
144	Sediment yields from small, steep coastal watersheds of California. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 516-534.	2.4	28

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145	Dissolved methane concentrations and fluxes to the atmosphere from a tropical floodplain lake. <i>Biogeochemistry</i> , 2020, 148, 129-151.	3.5	27
146	Turbulence in a small boreal lake: Consequences for air-water gas exchange. <i>Limnology and Oceanography</i> , 2021, 66, 827-854.	3.1	27
147	Effects of single and repeated experimental acid pulses on invertebrates in a high altitude Sierra Nevada stream. <i>Freshwater Biology</i> , 1994, 32, 161-183.	2.4	26
148	Temporal Evolution and Variability of Dissolved Inorganic Nitrogen in Beach Pore Water Revealed Using Radon Residence Times. <i>Environmental Science &amp; Technology</i> , 2014, 48, 14211-14218.	10.0	26
149	Amazon floodplain hydrology and implications for aquatic conservation. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 1029-1040.	2.0	26
150	Ecophysiology of forest and savanna vegetation. <i>Geophysical Monograph Series</i> , 2009, , 463-484.	0.1	25
151	Adding an empirical factor to better represent the rewetting pulse mechanism in a soil biogeochemical model. <i>Geoderma</i> , 2010, 159, 440-451.	5.1	25
152	Aquatic Ecosystems. <i>Ecological Studies</i> , 2016, , 119-148.	1.2	25
153	Detecting Land Degradation in Eastern China Grasslands with Time Series Segmentation and Residual Trend analysis (TSS-RESTREND) and GIMMS NDVI3g Data. <i>Remote Sensing</i> , 2019, 11, 1014.	4.0	25
154	Downstream emissions of CH <sub>4</sub> and CO <sub>2</sub> from hydroelectric reservoirs (Tucuru; Samuel, and Curu;Una) in the Amazon basin. <i>Inland Waters</i> , 2016, 6, 295-302.	2.2	24
155	Carbon dioxide outgassing from Amazonian aquatic ecosystems in the Negro River basin. <i>Biogeochemistry</i> , 2016, 129, 77-91.	3.5	22
156	Longitudinal and seasonal variation of stream N uptake in an urbanizing watershed: effect of organic matter, stream size, transient storage and debris dams. <i>Biogeochemistry</i> , 2010, 98, 45-62.	3.5	21
157	Long-term perspectives in aquatic research. <i>Limnology and Oceanography</i> , 2019, 64, S2.	3.1	21
158	Assessment of two biomass estimation methods for aquatic vegetation growing on the Amazon Floodplain. <i>Aquatic Botany</i> , 2010, 92, 161-167.	1.6	20
159	Carbon Dioxide Fluxes to the Atmosphere From Waters Within Flooded Forests in the Amazon Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005293.	3.0	20
160	Spatial and temporal distribution patterns of three trophic levels in a saline lake. <i>Journal of Plankton Research</i> , 1986, 8, 1051-1064.	1.8	19
161	Multidecadal hydrochemical response of a Sierra Nevada watershed: sensitivity to weathering rate and changes in deposition. <i>Journal of Hydrology</i> , 2004, 285, 272-285.	5.4	19
162	Controls on the major ion chemistry of the ÅœerÅ¼mqi River, Tian Shan, People's Republic of China. <i>Journal of Hydrology</i> , 1995, 172, 209-229.	5.4	18

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