Bruce R Forsberg

List of Publications by Year
in descending order

92	6,026	94433 37	74163 75
papers	citations	h-index	g-index

95	95	95	5639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Origins and processing of organic matter in the Amazon River as indicated by carbohydrates and amino acids. Limnology and Oceanography, 1994, 39, 743-761.	3.1	386
2	Exchanges of sediment between the flood plain and channel of the Amazon River in Brazil. Bulletin of the Geological Society of America, 1998, 110, 0450.	3.3	368
3	Biogeochemistry of carbon in the Amazon River. Limnology and Oceanography, 1990, 35, 352-371.	3.1	339
4	Autotrophic Carbon Sources for Fish of the Central Amazon. Ecology, 1993, 74, 643-652.	3.2	230
5	Methane release below a tropical hydroelectric dam. Geophysical Research Letters, 2007, 34, .	4.0	229
6	Energy Sources for Detritivorous Fishes in the Amazon. Science, 1986, 234, 1256-1258.	12.6	212
7	Regionalization of methane emissions in the Amazon Basin with microwave remote sensing. Global Change Biology, 2004, 10, 530-544.	9.5	212
8	Spatial patterns of hydrology, geomorphology, and vegetation on the floodplain of the Amazon river in Brazil from a remote sensing perspective. Geomorphology, 1995, 13, 215-232.	2.6	206
9	Modeling largeâ€scale inundation of Amazonian seasonally flooded wetlands. Geophysical Research Letters, 2007, 34, .	4.0	177
10	Sources and routing of the Amazon River Flood Wave. Global Biogeochemical Cycles, 1989, 3, 191-204.	4.9	162
11	CO2emissions from a tropical hydroelectric reservoir (Balbina, Brazil). Journal of Geophysical Research, 2011, 116, .	3.3	160
12	The potential impact of new Andean dams on Amazon fluvial ecosystems. PLoS ONE, 2017, 12, e0182254.	2.5	153
13	Seasonal dynamics in methane emissions from the Amazon River floodplain to the troposphere. Journal of Geophysical Research, 1990, 95, 16417-16426.	3.3	149
14	Amazon flood wave hydraulics. Journal of Hydrology, 2009, 374, 92-105.	5.4	147
15	Projections of climate change effects on discharge and inundation in the Amazon basin. Climatic Change, 2016, 136, 555-570.	3.6	147
16	Seasonal fluctuations in the mass of the Amazon River system and Earth's elastic response. Geophysical Research Letters, 2005, 32, .	4.0	142
17	Factors controlling nutrient concentrations in Amazon floodplain lakes1. Limnology and Oceanography, 1988, 33, 41-56.	3.1	141
18	Bacterial carbon metabolism in the Amazon River system. Limnology and Oceanography, 1995, 40, 1262-1270.	3.1	135

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19	Deforestation and sewage effects on aquatic macroinvertebrates in urban streams in Manaus, Amazonas, Brazil. Hydrobiologia, 2007, 575, 271-284.	2.0	130
20	Reducing greenhouse gas emissions of Amazon hydropower with strategic dam planning. Nature Communications, 2019, 10, 4281.	12.8	126
21	The 18O:16O of dissolved oxygen in rivers and lakes in the Amazon Basin: Determining the ratio of respiration to photosynthesis rates in freshwaters. Limnology and Oceanography, 1995, 40, 718-729.	3.1	111
22	Goliath catfish spawning in the far western Amazon confirmed by the distribution of mature adults, drifting larvae and migrating juveniles. Scientific Reports, 2017, 7, 41784.	3.3	101
23	A macroinvertebrate multimetric index to evaluate the biological condition of streams in the Central Amazon region of Brazil. Ecological Indicators, 2012, 18, 118-125.	6.3	92
24	Seasonal variation in chemical distributions in the Amazon (SolimÃµes) River: A multiyear time series. Global Biogeochemical Cycles, 1995, 9, 307-328.	4.9	82
25	Reservoir Stratification Affects Methylmercury Levels in River Water, Plankton, and Fish Downstream from Balbina Hydroelectric Dam, Amazonas, Brazil. Environmental Science & Technology, 2014, 48, 1032-1040.	10.0	74
26	Biogeochemistry of Amazon Floodplain Lakes and Associated Wetlands. , 2001, , .		69
27	Carbon sources of Amazonian fisheries. Fisheries Management and Ecology, 2000, 7, 305-314.	2.0	64
28	Carbon dioxide and methane emissions from interfluvial wetlands in the upper Negro River basin, Brazil. Biogeochemistry, 2011, 105, 171-183.	3.5	61
29	Ecosystemâ€based management of Amazon fisheries and wetlands. Fish and Fisheries, 2019, 20, 138-158.	5.3	60
30	Reducing adverse impacts of Amazon hydropower expansion. Science, 2022, 375, 753-760.	12.6	60
31	Factors controlling Hg levels in two predatory fish species in the Negro river basin, Brazilian Amazon. Science of the Total Environment, 2006, 367, 451-459.	8.0	59
32	An explicit GIS-based river basin framework for aquatic ecosystem conservation in the Amazon. Earth System Science Data, 2016, 8, 651-661.	9.9	58
33	The fate of planktonic primary production1. Limnology and Oceanography, 1985, 30, 807-819.	3.1	56
34	Floodplain ecosystem processes. Geophysical Monograph Series, 2009, , 525-541.	0.1	54
35	A contribution to the chemical characterization of rivers in the Rio Negro Basin, Brazil. Journal of the Brazilian Chemical Society, 2000, 11, 286-292.	0.6	50
36	Effects of anthropogenic silt on aquatic macroinvertebrates and abiotic variables in streams in the Brazilian Amazon. Journal of Soils and Sediments, 2010, 10, 89-103.	3.0	47

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37	Combining ALOS/PALSAR derived vegetation structure and inundation patterns to characterize major vegetation types in the MamirauÃ¡ Sustainable Development Reserve, Central Amazon floodplain, Brazil. Wetlands Ecology and Management, 2015, 23, 41-59.	1.5	46
38	Deforestation and conservation in major watersheds of the Brazilian Amazon. Environmental Conservation, 2009, 36, 277-288.	1.3	43
39	Molecular mass distributions of dissolved organic carbon and associated metals in waters from Rio Negro and Rio SolimÃµes. Science of the Total Environment, 1994, 156, 207-216.	8.0	37
40	Diffusive methane fluxes from Negro, SolimÃµes and Madeira rivers and fringing lakes in the Amazon basin. Limnology and Oceanography, 2016, 61, S221.	3.1	37
41	Influence of plankton metabolism and mixing depth on CO2 dynamics in an Amazon floodplain lake. Science of the Total Environment, 2018, 630, 1381-1393.	8.0	36
42	Inland variability of carbon-nitrogen concentrations and ?13C in Amazon floodplain (vï¿½rzea) vegetation and sediment. Hydrological Processes, 2003, 17, 1419-1430.	2.6	35
43	The influence of inundation and lake morphometry on the dynamics of mercury in the water and plankton in an Amazon floodplain lake. Hydrobiologia, 2017, 790, 35-48.	2.0	35
44	Mixing patterns in Amazon lakes. Hydrobiologia, 1984, 108, 3-15.	2.0	32
45	High rates of methane oxidation in an Amazon floodplain lake. Biogeochemistry, 2018, 137, 351-365.	3.5	32
46	Trophic Ecology of Arapaima sp. in a ria lakeâ€"riverâ€"floodplain transition zone of the Amazon. Ecology of Freshwater Fish, 2018, 27, 237-246.	1.4	31
47	Relationships among nitrogen and total phosphorus, algal biomass and zooplankton density in the central Amazonia lakes. Hydrobiologia, 2007, 586, 357-365.	2.0	30
48	Mercury bioaccumulation in fish of commercial importance from different trophic categories in an Amazon floodplain lake. Neotropical Ichthyology, 2011, 9, 901-908.	1.0	30
49	Dissolved methane concentrations and fluxes to the atmosphere from a tropical floodplain lake. Biogeochemistry, 2020, 148, 129-151.	3.5	27
50	Tectonic fault control of wetland distributions in the Central Amazon revealed by JERS-1 radar imagery. Quaternary International, 2000, 72, 61-66.	1.5	26
51	Analysis of the trophy sport fishery for the speckled peacock bass in the Rio Negro River, Brazil. Fisheries Management and Ecology, 2008, 15, 93-98.	2.0	25
52	Downstream emissions of CH₄ and CO₂ from hydroelectric reservoirs (TucuruÃ, Samuel, and CuruÃ¡-Una) in the Amazon basin. Inland Waters, 2016, 6, 295-302.	2.2	24
53	Diel patterns of temperature, conductivity and dissolved oxygen in an Amazon floodplain lake: description of a friagem phenomenon. Acta Limnologica Brasiliensia, 2014, 26, 318-331.	0.4	23
54	Autotrophic energy sources for Paracheirodon axelrodi (Osteichthyes, Characidae) in the middle Negro River, Central Amazon, Brazil. Hydrobiologia, 2008, 596, 95-103.	2.0	22

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55	Carbon dioxide outgassing from Amazonian aquatic ecosystems in the Negro River basin. Biogeochemistry, 2016, 129, 77-91.	3.5	22
56	The Use of Stable Isotopes in Studies of Nutrient Cycling: Carbon Isotope Composition of Amazon Varzea Sediments. Biotropica, 1992, 24, 240.	1.6	21
57	Carbon Dioxide Fluxes to the Atmosphere From Waters Within Flooded Forests in the Amazon Basin. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005293.	3.0	20
58	Peacock bass mortality associated with catch-and-release sport fishing in the Negro River, Amazonas State, Brazil. Acta Amazonica, 2014, 44, 527-532.	0.7	19
59	Trophic structure of macroinvertebrates in Amazonian streams impacted by anthropogenic siltation. Austral Ecology, 2011, 36, 628-637.	1.5	18
60	Regional and seasonal variability in planktonic photosynthesis and planktonic community respiration in Amazon floodplain lakes. Hydrobiologia, 2017, 800, 187-206.	2.0	18
61	Turbulence and Gas Transfer Velocities in Sheltered Flooded Forests of the Amazon Basin. Geophysical Research Letters, 2019, 46, 9628-9636.	4.0	18
62	Linking dissolved organic matter composition and bacterioplankton communities in an Amazon floodplain system. Limnology and Oceanography, 2020, 65, 63-76.	3.1	18
63	Climate change may impair electricity generation and economic viability of future Amazon hydropower. Global Environmental Change, 2021, 71, 102383.	7.8	18
64	Methylmercury Modulation in Amazon Rivers Linked to Basin Characteristics and Seasonal Flood-Pulse. Environmental Science & Technology, 2017, 51, 14182-14191.	10.0	17
65	Flood pulse regulation of bacterioplankton community composition in an Amazonian floodplain lake. Freshwater Biology, 2019, 64, 108-120.	2.4	16
66	Domestic Sewage and Oil Spills in Streams: Effects on Edaphic Invertebrates in Flooded Forest, Manaus, Amazonas, Brazil. Water, Air, and Soil Pollution, 2007, 180, 249-259.	2.4	15
67	Spatial and temporal variations in soil chemistry on the Amazon floodplain. Geo Journal, 1989, 19, 45-52.	3.1	15
68	Evidence of mercury biomagnification in the food chain of the cardinal tetra Paracheirodon axelrodi (<scp>O</scp>steichthyes: <scp>C</scp>haracidae) in the <scp>R</scp>io <scp>N</scp>egro, central <scp>A</scp>mazon, <scp>B</scp>razil. Journal of Fish Biology, 2016, 89, 220-240.	1.6	14
69	A modified procedure for studying enzyme secretion in yeast sphaeroplasts: subcellular distribution of invertase. Canadian Journal of Microbiology, 1976, 22, 989-995.	1.7	13
70	Limnological perspectives on conservation of floodplain lakes in the Amazon basin. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 1041-1055.	2.0	13
71	Fisheries management influences phytoplankton biomass of Amazonian floodplain lakes. Journal of Applied Ecology, 2021, 58, 731-743.	4.0	12
72	CONTAMINAÃ‡ÃƒO MERCURIAL EM PEIXES DO RIO MADEIRA: RESULTADOS E RECOMENDAÃ‡Ã•ES PARA CONSUMO HUMANO. Acta Amazonica, 1995, 25, 127-135.	0.7	12

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73	The effect of filter type and porosity on total suspended sediment determinations. Analytical Methods, 2018, 10, 5532-5539.	2.7	11
74	Seasonal and spatial variability of CO2 in aquatic environments of the central lowland Amazon basin. Biogeochemistry, 2019, 143, 133-149.	3.5	11
75	Fish species richness is associated with the availability of landscape components across seasons in the Amazonian floodplain. PeerJ, 2018, 6, e5080.	2.0	11
76	Water and chemical budgets at the catchment scale including nutrient exports from intact forests and disturbed landscapes. Geophysical Monograph Series, 2009, , 505-524.	0.1	9
77	Development and erosion in the Brazilian Amazon: A geochronological case study. Geo Journal, 1989, 19, 399.	3.1	8
78	Future climate impacts on the hydrology of headwater streams in the Amazon River Basin: Implications for migratory goliath catfishes. Hydrological Processes, 2020, 34, 5402-5416.	2.6	8
79	Large Seasonal and Habitat Differences in Methane Ebullition on the Amazon Floodplain. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005911.	3.0	7
80	Active methane processing microbes and the disproportionate role of NC10 phylum in methane mitigation in Amazonian floodplains. Biogeochemistry, 2021, 156, 293-317.	3.5	7
81	Proactively averting the collapse of Amazon fisheries based on three migratory flagship species. PLoS ONE, 2022, 17, e0264490.	2.5	7
82	Sedimentary organic matter diagenesis and its relation to the carbon budget of tropical Amazon floodplain lakes. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1984, 22, 1299-1304.	0.1	6
83	Water chemistry of rivers and streams from the JaÃº and UatumÃ£ basins in central Brazilian Amazon. Sustainable Water Resources Management, 2022, 8, .	2.1	5
84	Spatial patterns of hydrology, geomorphology, and vegetation on the floodplain of the Amazon River in Brazil from a remote sensing perspective. , 1995, , 215-232.		4
85	Seasonal Variation in the Distribution and Isotopic Composition of Phytoplankton in an Amazon Floodplain Lake, Brazil. Acta Biologica Colombiana, 2014, 19, 291.	0.4	3
86	Interactions Between Biosphere, Atmosphere, and Human Land Use in the Amazon Basin: An Introduction. Ecological Studies, 2016, , 3-15.	1.2	3
87	Crescimento populacional e anÃ¡lise isotÃ³pica de Diaphanosoma spinolosum e Ceriodaphnia cornuta (Crustacea: Cladocera), alimentadas com diferentes fraÃ§Ãµes de seston natural. Acta Scientiarum - Biological Sciences, 2011, 33, .	0.3	2
88	METHODOLOGIES FOR SAMPLING, PRESERVATION AND STORAGE OF WATER SAMPLES FOR MERCURY ANALYSIS - A REVIEW. Quimica Nova, 2015, , .	0.3	2
89	ABUNDANCE AND ISOTOPIC COMPOSITION OF PLANKTONIC MICROCRUSTACEANS IN A CENTRAL AMAZON FLOODPLAIN LAKE: IMPLICATIONS FOR THE TROPHIC DYNAMICS OF THE PLANKTON COMMUNITY. Caldasia, 2016, 38, 149-164.	0.2	2
90	Amazonia in Perspective as a Changing Environment. Ecological Studies, 2016, , 465-469.	1.2	1

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91	Fractionation and characterization of epilimnetic soluble organic phosphorus in an Amazon lake. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1997, 26, 381-381.	0.1	0
92	Mixing patterns in Amazon lakes. Hydrobiologia, 1984, 108, 3-15.	2.0	0