

Bruce R Forsberg

List of Publications by Year in descending order

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92
papers

6,026
citations

94433

37
h-index

74163

75
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95
all docs

95
docs citations

95
times ranked

5639
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing adverse impacts of Amazon hydropower expansion. <i>Science</i> , 2022, 375, 753-760.	12.6	60
2	Proactively averting the collapse of Amazon fisheries based on three migratory flagship species. <i>PLoS ONE</i> , 2022, 17, e0264490.	2.5	7
3	Water chemistry of rivers and streams from the Jaú and Uatumã basins in central Brazilian Amazon. <i>Sustainable Water Resources Management</i> , 2022, 8, .	2.1	5
4	Fisheries management influences phytoplankton biomass of Amazonian floodplain lakes. <i>Journal of Applied Ecology</i> , 2021, 58, 731-743.	4.0	12
5	Limnological perspectives on conservation of floodplain lakes in the Amazon basin. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 1041-1055.	2.0	13
6	Large Seasonal and Habitat Differences in Methane Ebullition on the Amazon Floodplain. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005911.	3.0	7
7	Active methane processing microbes and the disproportionate role of NC10 phylum in methane mitigation in Amazonian floodplains. <i>Biogeochemistry</i> , 2021, 156, 293-317.	3.5	7
8	Climate change may impair electricity generation and economic viability of future Amazon hydropower. <i>Global Environmental Change</i> , 2021, 71, 102383.	7.8	18
9	Linking dissolved organic matter composition and bacterioplankton communities in an Amazon floodplain system. <i>Limnology and Oceanography</i> , 2020, 65, 63-76.	3.1	18
10	Future climate impacts on the hydrology of headwater streams in the Amazon River Basin: Implications for migratory goliath catfishes. <i>Hydrological Processes</i> , 2020, 34, 5402-5416.	2.6	8
11	Dissolved methane concentrations and fluxes to the atmosphere from a tropical floodplain lake. <i>Biogeochemistry</i> , 2020, 148, 129-151.	3.5	27
12	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
13	Turbulence and Gas Transfer Velocities in Sheltered Flooded Forests of the Amazon Basin. <i>Geophysical Research Letters</i> , 2019, 46, 9628-9636.	4.0	18
14	Reducing greenhouse gas emissions of Amazon hydropower with strategic dam planning. <i>Nature Communications</i> , 2019, 10, 4281.	12.8	126
15	Seasonal and spatial variability of CO ₂ in aquatic environments of the central lowland Amazon basin. <i>Biogeochemistry</i> , 2019, 143, 133-149.	3.5	11
16	Flood pulse regulation of bacterioplankton community composition in an Amazonian floodplain lake. <i>Freshwater Biology</i> , 2019, 64, 108-120.	2.4	16
17	Ecosystem-based management of Amazon fisheries and wetlands. <i>Fish and Fisheries</i> , 2019, 20, 138-158.	5.3	60
18	High rates of methane oxidation in an Amazon floodplain lake. <i>Biogeochemistry</i> , 2018, 137, 351-365.	3.5	32

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19	Influence of plankton metabolism and mixing depth on CO ₂ dynamics in an Amazon floodplain lake. <i>Science of the Total Environment</i> , 2018, 630, 1381-1393.	8.0	36
20	Trophic Ecology of <i>Arapaima</i> sp. in a ria lake–river floodplain transition zone of the Amazon. <i>Ecology of Freshwater Fish</i> , 2018, 27, 237-246.	1.4	31
21	The effect of filter type and porosity on total suspended sediment determinations. <i>Analytical Methods</i> , 2018, 10, 5532-5539.	2.7	11
22	Fish species richness is associated with the availability of landscape components across seasons in the Amazonian floodplain. <i>PeerJ</i> , 2018, 6, e5080.	2.0	11
23	Goliath catfish spawning in the far western Amazon confirmed by the distribution of mature adults, drifting larvae and migrating juveniles. <i>Scientific Reports</i> , 2017, 7, 41784.	3.3	101
24	Regional and seasonal variability in planktonic photosynthesis and planktonic community respiration in Amazon floodplain lakes. <i>Hydrobiologia</i> , 2017, 800, 187-206.	2.0	18
25	Methylmercury Modulation in Amazon Rivers Linked to Basin Characteristics and Seasonal Flood-Pulse. <i>Environmental Science & Technology</i> , 2017, 51, 14182-14191.	10.0	17
26	The influence of inundation and lake morphometry on the dynamics of mercury in the water and plankton in an Amazon floodplain lake. <i>Hydrobiologia</i> , 2017, 790, 35-48.	2.0	35
27	The potential impact of new Andean dams on Amazon fluvial ecosystems. <i>PLoS ONE</i> , 2017, 12, e0182254.	2.5	153
28	Evidence of mercury biomagnification in the food chain of the cardinal tetra <i>Paracheirodon axelrodi</i> (Osteichthyes: Cichlidae) in the Rio Negro, central Amazon, Brazil. <i>Journal of Fish Biology</i> , 2016, 89, 220-240.	1.6	14
29	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
30	Interactions Between Biosphere, Atmosphere, and Human Land Use in the Amazon Basin: An Introduction. <i>Ecological Studies</i> , 2016, , 3-15.	1.2	3
31	Amazonia in Perspective as a Changing Environment. <i>Ecological Studies</i> , 2016, , 465-469.	1.2	1
32	Downstream emissions of CH ₄ and CO ₂ from hydroelectric reservoirs (Tucuruí, Samuel, and Curuá-Una) in the Amazon basin. <i>Inland Waters</i> , 2016, 6, 295-302.	2.2	24
33	Carbon dioxide outgassing from Amazonian aquatic ecosystems in the Negro River basin. <i>Biogeochemistry</i> , 2016, 129, 77-91.	3.5	22
34	Projections of climate change effects on discharge and inundation in the Amazon basin. <i>Climatic Change</i> , 2016, 136, 555-570.	3.6	147
35	An explicit GIS-based river basin framework for aquatic ecosystem conservation in the Amazon. <i>Earth System Science Data</i> , 2016, 8, 651-661.	9.9	58
36	ABUNDANCE AND ISOTOPIC COMPOSITION OF PLANKTONIC MICROCRUSTACEANS IN A CENTRAL AMAZON FLOODPLAIN LAKE: IMPLICATIONS FOR THE TROPHIC DYNAMICS OF THE PLANKTON COMMUNITY. <i>Caldasia</i> , 2016, 38, 149-164.	0.2	2

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37	METHODOLOGIES FOR SAMPLING, PRESERVATION AND STORAGE OF WATER SAMPLES FOR MERCURY ANALYSIS - A REVIEW. <i>Quimica Nova</i> , 2015, , .	0.3	2
38	Combining ALOS/PALSAR derived vegetation structure and inundation patterns to characterize major vegetation types in the Mamirauá Sustainable Development Reserve, Central Amazon floodplain, Brazil. <i>Wetlands Ecology and Management</i> , 2015, 23, 41-59.	1.5	46
39	Seasonal Variation in the Distribution and Isotopic Composition of Phytoplankton in an Amazon Floodplain Lake, Brazil. <i>Acta Biologica Colombiana</i> , 2014, 19, 291.	0.4	3
40	Reservoir Stratification Affects Methylmercury Levels in River Water, Plankton, and Fish Downstream from Balbina Hydroelectric Dam, Amazonas, Brazil. <i>Environmental Science & Technology</i> , 2014, 48, 1032-1040.	10.0	74
41	Peacock bass mortality associated with catch-and-release sport fishing in the Negro River, Amazonas State, Brazil. <i>Acta Amazonica</i> , 2014, 44, 527-532.	0.7	19
42	Diel patterns of temperature, conductivity and dissolved oxygen in an Amazon floodplain lake: description of a fragem phenomenon. <i>Acta Limnologica Brasiliensia</i> , 2014, 26, 318-331.	0.4	23
43	A macroinvertebrate multimetric index to evaluate the biological condition of streams in the Central Amazon region of Brazil. <i>Ecological Indicators</i> , 2012, 18, 118-125.	6.3	92
44	Trophic structure of macroinvertebrates in Amazonian streams impacted by anthropogenic siltation. <i>Austral Ecology</i> , 2011, 36, 628-637.	1.5	18
45	CO ₂ emissions from a tropical hydroelectric reservoir (Balbina, Brazil). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	160
46	Crescimento populacional e análise isotópica de <i>Diaphanosoma spinolosum</i> e <i>Ceriodaphnia cornuta</i> (Crustacea: Cladocera), alimentadas com diferentes frações de seston natural. <i>Acta Scientiarum - Biological Sciences</i> , 2011, 33, .	0.3	2
47	Mercury bioaccumulation in fish of commercial importance from different trophic categories in an Amazon floodplain lake. <i>Neotropical Ichthyology</i> , 2011, 9, 901-908.	1.0	30
48	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
49	Effects of anthropogenic silt on aquatic macroinvertebrates and abiotic variables in streams in the Brazilian Amazon. <i>Journal of Soils and Sediments</i> , 2010, 10, 89-103.	3.0	47
50	Deforestation and conservation in major watersheds of the Brazilian Amazon. <i>Environmental Conservation</i> , 2009, 36, 277-288.	1.3	43
51	Amazon flood wave hydraulics. <i>Journal of Hydrology</i> , 2009, 374, 92-105.	5.4	147
52	Water and chemical budgets at the catchment scale including nutrient exports from intact forests and disturbed landscapes. <i>Geophysical Monograph Series</i> , 2009, , 505-524.	0.1	9
53	Floodplain ecosystem processes. <i>Geophysical Monograph Series</i> , 2009, , 525-541.	0.1	54
54	Autotrophic energy sources for <i>Paracheirodon axelrodi</i> (Osteichthyes, Characidae) in the middle Negro River, Central Amazon, Brazil. <i>Hydrobiologia</i> , 2008, 596, 95-103.	2.0	22

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55	Analysis of the trophy sport fishery for the speckled peacock bass in the Rio Negro River, Brazil. <i>Fisheries Management and Ecology</i> , 2008, 15, 93-98.	2.0	25
56	Methane release below a tropical hydroelectric dam. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	229
57	Modeling large-scale inundation of Amazonian seasonally flooded wetlands. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	177
58	Domestic Sewage and Oil Spills in Streams: Effects on Edaphic Invertebrates in Flooded Forest, Manaus, Amazonas, Brazil. <i>Water, Air, and Soil Pollution</i> , 2007, 180, 249-259.	2.4	15
59	Deforestation and sewage effects on aquatic macroinvertebrates in urban streams in Manaus, Amazonas, Brazil. <i>Hydrobiologia</i> , 2007, 575, 271-284.	2.0	130
60	Relationships among nitrogen and total phosphorus, algal biomass and zooplankton density in the central Amazonia lakes. <i>Hydrobiologia</i> , 2007, 586, 357-365.	2.0	30
61	Factors controlling Hg levels in two predatory fish species in the Negro river basin, Brazilian Amazon. <i>Science of the Total Environment</i> , 2006, 367, 451-459.	8.0	59
62	Seasonal fluctuations in the mass of the Amazon River system and Earth's elastic response. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	142
63	Regionalization of methane emissions in the Amazon Basin with microwave remote sensing. <i>Global Change Biology</i> , 2004, 10, 530-544.	9.5	212
64	Inland variability of carbon-nitrogen concentrations and $\delta^{13}C$ in Amazon floodplain (várzea) vegetation and sediment. <i>Hydrological Processes</i> , 2003, 17, 1419-1430.	2.6	35
65	Biogeochemistry of Amazon Floodplain Lakes and Associated Wetlands. , 2001, , .		69
66	A contribution to the chemical characterization of rivers in the Rio Negro Basin, Brazil. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 286-292.	0.6	50
67	Tectonic fault control of wetland distributions in the Central Amazon revealed by JERS-1 radar imagery. <i>Quaternary International</i> , 2000, 72, 61-66.	1.5	26
68	Carbon sources of Amazonian fisheries. <i>Fisheries Management and Ecology</i> , 2000, 7, 305-314.	2.0	64
69	Exchanges of sediment between the flood plain and channel of the Amazon River in Brazil. <i>Bulletin of the Geological Society of America</i> , 1998, 110, 0450.	3.3	368
70	Fractionation and characterization of epilimnetic soluble organic phosphorus in an Amazon lake. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1997, 26, 381-381.	0.1	0
71	Bacterial carbon metabolism in the Amazon River system. <i>Limnology and Oceanography</i> , 1995, 40, 1262-1270.	3.1	135
72	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

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73	The 18O:16O of dissolved oxygen in rivers and lakes in the Amazon Basin: Determining the ratio of respiration to photosynthesis rates in freshwaters. <i>Limnology and Oceanography</i> , 1995, 40, 718-729.	3.1	111
74	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
75	Seasonal variation in chemical distributions in the Amazon (Solimões) River: A multiyear time series. <i>Global Biogeochemical Cycles</i> , 1995, 9, 307-328.	4.9	82
76	CONTAMINAÇÃO MERCURIAL EM PEIXES DO RIO MADEIRA: RESULTADOS E RECOMENDAÇÕES PARA CONSUMO HUMANO. <i>Acta Amazonica</i> , 1995, 25, 127-135.	0.7	12
77	Molecular mass distributions of dissolved organic carbon and associated metals in waters from Rio Negro and Rio Solimões. <i>Science of the Total Environment</i> , 1994, 156, 207-216.	8.0	37
78	Origins and processing of organic matter in the Amazon River as indicated by carbohydrates and amino acids. <i>Limnology and Oceanography</i> , 1994, 39, 743-761.	3.1	386
79	Autotrophic Carbon Sources for Fish of the Central Amazon. <i>Ecology</i> , 1993, 74, 643-652.	3.2	230
80	The Use of Stable Isotopes in Studies of Nutrient Cycling: Carbon Isotope Composition of Amazon Varzea Sediments. <i>Biotropica</i> , 1992, 24, 240.	1.6	21
81	Biogeochemistry of carbon in the Amazon River. <i>Limnology and Oceanography</i> , 1990, 35, 352-371.	3.1	339
82	Seasonal dynamics in methane emissions from the Amazon River floodplain to the troposphere. <i>Journal of Geophysical Research</i> , 1990, 95, 16417-16426.	3.3	149
83	Development and erosion in the Brazilian Amazon: A geochronological case study. <i>Geo Journal</i> , 1989, 19, 399.	3.1	8
84	Sources and routing of the Amazon River Flood Wave. <i>Global Biogeochemical Cycles</i> , 1989, 3, 191-204.	4.9	162
85	Spatial and temporal variations in soil chemistry on the Amazon floodplain. <i>Geo Journal</i> , 1989, 19, 45-52.	3.1	15
86	Factors controlling nutrient concentrations in Amazon floodplain lakes1. <i>Limnology and Oceanography</i> , 1988, 33, 41-56.	3.1	141
87	Energy Sources for Detritivorous Fishes in the Amazon. <i>Science</i> , 1986, 234, 1256-1258.	12.6	212
88	The fate of planktonic primary production1. <i>Limnology and Oceanography</i> , 1985, 30, 807-819.	3.1	56
89	Sedimentary organic matter diagenesis and its relation to the carbon budget of tropical Amazon floodplain lakes. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1984, 22, 1299-1304.	0.1	6
90	Mixing patterns in Amazon lakes. <i>Hydrobiologia</i> , 1984, 108, 3-15.	2.0	32

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91	Mixing patterns in Amazon lakes. <i>Hydrobiologia</i> , 1984, 108, 3-15.	2.0	0
92	A modified procedure for studying enzyme secretion in yeast sphaeroplasts: subcellular distribution of invertase. <i>Canadian Journal of Microbiology</i> , 1976, 22, 989-995.	1.7	13