Ivan Bergier

List of Publications by Year
in descending order

44 papers	1,128 citations	516710 16 h-index	414414 32 g-index
46 all docs	46 docs citations	46 times ranked	1688 citing authors

#	Article	IF	Citations
1	Tailed giant Tupanvirus possesses the most complete translational apparatus of the known virosphere. Nature Communications, 2018, 9, 749.	12.8	247
2	Regionalization of methane emissions in the Amazon Basin with microwave remote sensing. Global Change Biology, 2004, 10, 530-544.	9.5	212
3	Amazon rainforest modulation of water security in the Pantanal wetland. Science of the Total Environment, 2018, 619-620, 1116-1125.	8.0	70
4	Effects of highland land-use over lowlands of the Brazilian Pantanal. Science of the Total Environment, 2013, 463-464, 1060-1066.	8.0	64
5	Soil improvement and mitigation of greenhouse gas emissions for integrated cropâ€“livestock systems: Case study assessment in the Pantanal savanna highland, Brazil. Agricultural Systems, 2015, 137, 206-219.	6.1	46
6	Vegetation, rainfall, and pulsing hydrology in the Pantanal, the worldâ€™s largest tropical wetland. Environmental Research Letters, 2019, 14, 124017.	5.2	42
7	Mitigation and recovery of methane emissions from tropical hydroelectric dams. Energy, 2007, 32, 1038-1046.	8.8	39
8	Ubiquitous giants: a plethora of giant viruses found in Brazil and Antarctica. Virology Journal, 2018, 15, 22.	3.4	37
9	Biofuel production from water hyacinth in the Pantanal wetland. Ecohydrology and Hydrobiology, 2012, 12, 77-84.	2.3	36
10	Methane stocks in tropical hydropower reservoirs as a potential energy source. Climatic Change, 2009, 93, 1-13.	3.6	31
11	Avulsive Rivers in the Hydrology of the Pantanal Wetland. Handbook of Environmental Chemistry, 2015, , 83-110.	0.4	26
12	Holocene stratigraphic evolution of saline lakes in NhecolÃ¢ndia, southern Pantanal wetlands (Brazil). Quaternary Research, 2017, 88, 472-490.	1.7	25
13	Dynamic emergy valuation of water hyacinth biomass in wetlands: an ecological approach. Journal of Cleaner Production, 2013, 54, 177-187.	9.3	24
14	Could bovine livestock intensification in Pantanal be neutral regarding enteric methane emissions?. Science of the Total Environment, 2019, 655, 463-472.	8.0	23
15	Sponge spicule and phytolith evidence for Late Quaternary environmental changes in the tropical Pantanal wetlands of western Brazil. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 518, 119-133.	2.3	20
16	The soda lakes of NhecolÃ¢ndia: A conservation opportunity for the Pantanal wetlands. Perspectives in Ecology and Conservation, 2019, 17, 9-18.	1.9	19
17	Carbon Dioxide and Methane Fluxes in the Littoral Zone of a Tropical Savanna Reservoir (CorumbÃ¡) Tj ETQq1 1 0.784314 rgBT /Over	0.2	16
18	Nitrogen cycle and ecosystem services in the Brazilian La Plata Basin: anthropogenic influence and climate change. Brazilian Journal of Biology, 2012, 72, 691-708.	0.9	13

#	Article	IF	Citations
19	Landscape changes in avulsive river systems: Case study of Taquari River on Brazilian Pantanal wetlands. Science of the Total Environment, 2020, 723, 138067.	8.0	13
20	Fluvio-lacustrine sedimentary processes and landforms on the distal Paraguay fluvial megafan (Brazil). Geomorphology, 2019, 342, 163-175.	2.6	12
21	Cloud/edge computing for compliance in the Brazilian livestock supply chain. Science of the Total Environment, 2021, 761, 143276.	8.0	12
22	Avulsions drive ecosystem services and economic changes in the Brazilian Pantanal wetlands. Current Research in Environmental Sustainability, 2021, 3, 100057.	3.5	11
23	Sustainability assessment of water hyacinth fast pyrolysis in the Upper Paraguay River basin, Brazil. Science of the Total Environment, 2015, 532, 281-291.	8.0	10
24	Root behavior of savanna species in Brazilâ€™s Pantanal wetland. Global Ecology and Conservation, 2014, 2, 378-384.	2.1	9
25	Paleoecology explains Holocene chemical changes in lakes of the NhecolÃ¢ndia (Pantanal-Brazil). Hydrobiologia, 2017, 815, 1.	2.0	9
26	Enhanced middle Holocene organic carbon burial in tropical floodplain lakes of the Pantanal (South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	9
27	Methane and Carbon Dioxide Dynamics in the Paraguay River Floodplain (Pantanal) in Episodic Anoxia Events. Handbook of Environmental Chemistry, 2015, , 163-178.	0.4	6
28	SPATIOTEMPORAL EVOLUTION OF THE MARGINS OF LAKE UBERABA, PANTANAL FLOODPLAIN (BRAZIL). , 2018, 42, 159-173.		6
29	Soil Loss as a Negative Externality in the Emergy Accounting: Case Study of an Agricultural Commodities Municipality in the Brazilian Savannah. Journal of Environmental Accounting and Management, 2016, 4, 129-147.	0.5	5
30	Historical Land-Use Changes in SÃ£o Gabriel do Oeste at the Upper Taquari River Basin. Handbook of Environmental Chemistry, 2015, , 191-208.	0.4	4
31	A Brief History of Giant Virusesâ€™ Studies in Brazilian Biomes. Viruses, 2022, 14, 191.	3.3	4
32	Anthropogenic flooded lands and atmospheric methane. Ecohydrology and Hydrobiology, 2007, 7, 11-21.	2.3	3
33	Pyrolysis Dynamics of Biomass Residues in Hot-Stage. BioResources, 2015, 10, .	1.0	3
34	Low vacuum thermochemical conversion of anaerobically digested swine solids. Chemosphere, 2013, 92, 714-720.	8.2	2
35	Dam reservoirs role in carbon dynamics requires contextual landscape ecohydrology. Environmental Monitoring and Assessment, 2014, 186, 5985-5988.	2.7	2
36	Scientific Collaboration in a Multidisciplinary Organization Revealed by Network Science. SN Computer Science, 2021, 2, 1.	3.6	2

#	Article	IF	Citations
37	AnÃ¡lise cienciomÃ©trica de espaÃ§os verdes urbanos e seus serviÃ§os ecossistÃªmicos. InteraÃ§Ãµes (Campo) Tj ETQq1 1 0.784314 rg	0.1	2
38	Sediment Infill of Tropical Floodplain Lakes: Rates, Controls, and Implications for Ecosystem Services. Frontiers in Earth Science, 2022, 10, .	1.8	2
39	User Effects on Chamber Nitrous Oxide Emissions From Oxisol Soils in No-Tillage Maize Fertirrigated With Anaerobically Digested Swine Manure. Environment and Natural Resources Research, 2013, 3, .	0.1	1
40	WATER BALANCE BASED ON REMOTE SENSING DATA IN PANTANAL. RA'E GA - O Espaco Geografico Em Analise, 2019, 46, 33.	0.1	1
41	THE LIMNOGEOLOGY OF LAKE UBERABA: FLUVIO-LACUSTRINE SEDIMENTARY PROCESSES ALONG THE DISTAL PARAGUAY MEGAFAN (PANTANAL WETLANDS, BRAZIL). , 2017, , .		0
42	LAKE INFILL AND ITS EFFECTS ON WATER RESOURCES AND LAKE TERRESTRIALIZATION IN THE SOUTH AMERICAN LOWLANDS. , 2019, , .		0
43	BALANÃ‡O HÃDRICO DA BACIA DO ALTO PARAGUAI POR MEIO DE DADOS TRMM E MOD16A2. , 0, , 59-70.		0
44	Hydrology and Vegetation Base for Classification of Macrohabitats of the Brazilian Pantanal for Policy-Making and Management. Plant and Vegetation, 2021, , 365-391.	0.6	0