Laurence Maurice

List of Publications by Year
in descending order

62 papers	3,997 citations	101543 36 h-index	123424 61 g-index
64 all docs	64 docs citations	64 times ranked	4516 citing authors

#	Article	IF	Citations
1	Monthly variations in mercury exposure of school children and adults in an industrial area of southwestern China. Environmental Research, 2021, 196, 110362.	7.5	4
2	Use of mercury isotopes to quantify sources of human inorganic mercury exposure and metabolic processes in the human body. Environment International, 2021, 147, 106336.	10.0	13
3	Childhood lead exposure of Amerindian communities in French Guiana: an isotopic approach to tracing sources. Environmental Geochemistry and Health, 2021, 43, 4741-4757.	3.4	7
4	Hg concentrations and stable isotope variations in tropical fish species of a gold-mining-impacted watershed in French Guiana. Environmental Science and Pollution Research, 2021, 28, 60609-60621.	5.3	4
5	Concentrations and stable isotopes of mercury in sharks of the Galapagos Marine Reserve: Human health concerns and feeding patterns. Ecotoxicology and Environmental Safety, 2021, 215, 112122.	6.0	20
6	Mitigating the level of cadmium in cacao products: Reviewing the transfer of cadmium from soil to chocolate bar. Science of the Total Environment, 2021, 781, 146779.	8.0	43
7	Determining the microbial and chemical contamination in Ecuadorâ€™s main rivers. Scientific Reports, 2021, 11, 17640.	3.3	12
8	Compound-Specific Stable Isotope Analysis Provides New Insights for Tracking Human Monomethylmercury Exposure Sources. Environmental Science & Technology, 2021, 55, 12493-12503.	10.0	11
9	Beyond cadmium accumulation: Distribution of other trace elements in soils and cacao beans in Ecuador. Environmental Research, 2021, 192, 110241.	7.5	10
10	Ecotoxicity of polyethylene nanoplastics from the North Atlantic oceanic gyre on freshwater and marine organisms (microalgae and filter-feeding bivalves). Environmental Science and Pollution Research, 2020, 27, 3746-3755.	5.3	87
11	Determination of the Microbial and Chemical Loads in Rivers from the Quito Capital Province of Ecuador (Pichincha)â€”A Preliminary Analysis of Microbial and Chemical Quality of the Main Rivers. International Journal of Environmental Research and Public Health, 2020, 17, 5048.	2.6	16
12	Drinking water quality in areas impacted by oil activities in Ecuador: Associated health risks and social perception of human exposure. Science of the Total Environment, 2019, 690, 1203-1217.	8.0	55
13	Cadmium isotope fractionation in the soil â€“ cacao systems of Ecuador: a pilot field study. RSC Advances, 2019, 9, 34011-34022.	3.6	36
14	Trace metals in polyethylene debris from the North Atlantic subtropical gyre. Environmental Pollution, 2019, 245, 371-379.	7.5	123
15	Quantifying the impacts of artisanal gold mining on a tropical river system using mercury isotopes. Chemosphere, 2019, 219, 684-694.	8.2	48
16	Synchronizing Histories of Exposure and Demography: The Construction of an Agent-Based Model of the Ecuadorian Amazon Colonization and Exposure to Oil Pollution Hazards. Jasss, 2019, 22, .	1.8	7
17	Role of the floodplain lakes in the methylmercury distribution and exchanges with the Amazon River, Brazil. Journal of Environmental Sciences, 2018, 68, 24-40.	6.1	14
18	Use of Mercury Isotopes to Quantify Mercury Exposure Sources in Inland Populations, China. Environmental Science & Technology, 2018, 52, 5407-5416.	10.0	58

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19	Distribution, contents and health risk assessment of metal(loid)s in small-scale farms in the Ecuadorian Amazon: An insight into impacts of oil activities. Science of the Total Environment, 2018, 622-623, 106-120.	8.0	54
20	Mercury Isotope Signatures of Methylmercury in Rice Samples from the Wanshan Mercury Mining Area, China: Environmental Implications. Environmental Science & Technology, 2017, 51, 12321-12328.	10.0	43
21	Cadmium bioaccumulation and gastric bioaccessibility in cacao: A field study in areas impacted by oil activities in Ecuador. Environmental Pollution, 2017, 229, 950-963.	7.5	68
22	Mercury Exposure in Children of the Wanshan Mercury Mining Area, Guizhou, China. International Journal of Environmental Research and Public Health, 2016, 13, 1107.	2.6	28
23	Isotopic Composition of Atmospheric Mercury in China: New Evidence for Sources and Transformation Processes in Air and in Vegetation. Environmental Science & Technology, 2016, 50, 9262-9269.	10.0	139
24	A test of the cosmogenic¹⁰Be(meteoric)/⁹Be proxy for simultaneously determining basin-wide erosion rates, denudation rates, and the degree of weathering in the Amazon basin. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2498-2528.	2.8	41
25	Riverine Li isotope fractionation in the Amazon River basin controlled by the weathering regimes. Geochimica Et Cosmochimica Acta, 2015, 164, 71-93.	3.9	192
26	Specific Effects of Dietary Methylmercury and Inorganic Mercury in Zebrafish (Danio rerio) Determined by Genetic, Histological, and Metallothionein Responses. Environmental Science & Technology, 2015, 49, 14560-14569.	10.0	47
27	Specific Pathways of Dietary Methylmercury and Inorganic Mercury Determined by Mercury Speciation and Isotopic Composition in Zebrafish (Danio rerio). Environmental Science & Technology, 2015, 49, 12984-12993.	10.0	60
28	DeterminaciÃ³n de elementos mayores en sedimentos provenientes de zonas afectadas por actividades petroleras en Ecuador. Avances En Ciencias E IngenierÃas, 2015, 7, .	0.1	2
29	Cl and Na Fluxes in an Andean Foreland Basin of the Peruvian Amazon: An Anthropogenic Impact Evidence. Aquatic Geochemistry, 2014, 20, 613-637.	1.3	27
30	Source, transport and fluxes of Amazon River particulate organic carbon: Insights from river sediment depth-profiles. Geochimica Et Cosmochimica Acta, 2014, 133, 280-298.	3.9	122
31	Mercury speciation analysis in human hair by species-specific isotope-dilution using GCâ€“ICPâ€“MS. Analytical and Bioanalytical Chemistry, 2013, 405, 3001-3010.	3.7	31
32	Seasonal variability in concentration, composition, age, and fluxes of particulate organic carbon exchanged between the floodplain and Amazon River. Global Biogeochemical Cycles, 2013, 27, 119-130.	4.9	87
33	Floodplains of large rivers: Weathering reactors or simple silos?. Chemical Geology, 2012, 332-333, 166-184.	3.3	96
34	Hg Speciation and Stable Isotope Signatures in Human Hair As a Tracer for Dietary and Occupational Exposure to Mercury. Environmental Science & Technology, 2011, 45, 9910-9916.	10.0	101
35	Grain size control of river suspended sediment geochemistry: Clues from Amazon River depth profiles. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	243
36	How important is it to integrate riverine suspended sediment chemical composition with depth? Clues from Amazon River depth-profiles. Geochimica Et Cosmochimica Acta, 2011, 75, 6955-6970.	3.9	73

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37	Turbulent mixing in the Amazon River: The isotopic memory of confluences. Earth and Planetary Science Letters, 290 (2010), pp. 37â€“43. Earth and Planetary Science Letters, 2011, 311, 448-450.	4.4	3
38	Sediment production and delivery in the Amazon River basin quantified by in situ-produced cosmogenic nuclides and recent river loads. Bulletin of the Geological Society of America, 2011, 123, 934-950.	3.3	111
39	Prediction of depthâ€integrated fluxes of suspended sediment in the Amazon River: particle aggregation as a complicating factor. Hydrological Processes, 2011, 25, 778-794.	2.6	58
40	Recycling of Amazon floodplain sediment quantified by cosmogenic 26Al and 10Be. Geology, 2011, 39, 467-470.	4.4	58
41	Quantifying sediment discharge from the Bolivian Andes into the Beni foreland basin from cosmogenic 10Be-derived denudation rates. Revista Brasileira De GeociÃªncias, 2011, 41, 629-641.	0.1	1
42	Oxidation of petrogenic organic carbon in the Amazon floodplain as a source of atmospheric CO2. Geology, 2010, 38, 255-258.	4.4	130
43	Turbulent mixing in the Amazon River: The isotopic memory of confluences. Earth and Planetary Science Letters, 2010, 290, 37-43.	4.4	118
44	Mercury distribution and exchanges between the Amazon River and connected floodplain lakes. Science of the Total Environment, 2009, 407, 6073-6084.	8.0	26
45	Anomalous Mercury Isotopic Compositions of Fish and Human Hair in the Bolivian Amazon. Environmental Science & Technology, 2009, 43, 8985-8990.	10.0	117
46	From source to sink: Preserving the cosmogenic 10Be-derived denudation rate signal of the Bolivian Andes in sediment of the Beni and MamorÃ© foreland basins. Earth and Planetary Science Letters, 2009, 288, 463-474.	4.4	61
47	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
48	Floodplain ecosystem processes. Geophysical Monograph Series, 2009, , 525-541.	0.1	54
49	Floodplain hydrology in an Amazon floodplain lake (Lago Grande de CuruaÃ). Journal of Hydrology, 2008, 349, 18-30.	5.4	157
50	Simultaneous Determination of Species-Specific Isotopic Composition of Hg by Gas Chromatography Coupled to Multicollector ICPMS. Analytical Chemistry, 2008, 80, 3530-3538.	6.5	99
51	Temporal dynamics of water and sediment exchanges between the CuruaÃ-floodplain and the Amazon River, Brazil. Journal of Hydrology, 2007, 335, 140-156.	5.4	112
52	Weathering and transport of sediments in the Bolivian Andes: Time constraints from uranium-series isotopes. Earth and Planetary Science Letters, 2006, 248, 759-771.	4.4	95
53	Atmospheric heavy metals in tropical South America during the past 22â€‰000 years recorded in a high altitude ice core from Sajama, Bolivia. Journal of Environmental Monitoring, 2004, 6, 322-326.	2.1	48
54	Transport, distribution and speciation of mercury in the Amazon River at the confluence of black and white waters of the Negro and SolimÃµes Rivers. Hydrological Processes, 2003, 17, 1405-1417.	2.6	33

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55	Episodic sediment accumulation on Amazonian flood plains influenced by El NiÃ±o/Southern Oscillation. Nature, 2003, 425, 493-497.	27.8	275
56	Changes in the occurrence of heavy metals in the tropical atmosphere during the past 22,000Âyears as recorded in Bolivian ice core. European Physical Journal Special Topics, 2003, 107, 633-636.	0.2	1
57	Sources of mercury in surface waters of the upper Madeira erosive basins, Bolivia. European Physical Journal Special Topics, 2003, 107, 855-858.	0.2	9
58	Heavy metals in ancient tropical ice: initial results. Atmospheric Environment, 2001, 35, 5809-5815.	4.1	25
59	Organic matter in Bolivian tributaries of the Amazon River: A comparison to the lower mainstream. Limnology and Oceanography, 2000, 45, 1449-1466.	3.1	187
60	Mercury distribution in waters and fishes of the upper Madeira rivers and mercury exposure in riparian Amazonian populations. Science of the Total Environment, 2000, 260, 73-86.	8.0	128
61	Trace element geochemistry in the upper Amazon drainage basin (Bolivia). Chemical Geology, 1999, 157, 319-334.	3.3	50
62	Ambiente, petrÃ³leo y vulnerabilidad polÃ‡tica en el Oriente Ecuatoriano: Â¿hacia nuevas formas de gobernanza energÃ©tica?. America Latina Hoy, 0, 67, 119-137.	0.0	9