Jean Remy DavÃ©e GuimarÃ£es

List of Publications by Year
in descending order

84 papers	3,206 citations	126901 33 h-index	161844 54 g-index
88 all docs	88 docs citations	88 times ranked	3102 citing authors

#	Article	IF	Citations
1	Mercury net methylation in five tropical flood plain regions of Brazil: high in the root zone of floating macrophyte mats but low in surface sediments and flooded soils. Science of the Total Environment, 2000, 261, 99-107.	8.0	151
2	A preliminary study of mercury exposure and blood pressure in the Brazilian Amazon. Environmental Health, 2006, 5, 29.	4.0	131
3	Total Mercury in Muscle Tissue of Five Shark Species from Brazilian Offshore Waters: Effects of Feeding Habit, Sex, and Length. Environmental Research, 2002, 89, 250-258.	7.5	129
4	Increase in mercury contamination recorded in lacustrine sediments following deforestation in the central Amazon1The present investigation is part of an ongoing study, the CARUSO project (CRDI-UFPa-UQAM), initiated to determine the sources, fate and health effects of the presence of MeHg in the area of the Lower TapajÃ³s.1. Chemical Geology, 2000, 165, 243-266.	3.3	121
5	Methylmercury in Fish and Hair Samples from the Balbina Reservoir, Brazilian Amazon. Environmental Research, 1998, 77, 84-90.	7.5	106
6	Daily mercury intake in fish-eating populations in the Brazilian Amazon. Journal of Exposure Science and Environmental Epidemiology, 2008, 18, 76-87.	3.9	106
7	Mercury methylation along a lakeÃ¢Â€Â“forest transect in the TapajÃƒÂ³s river floodplain, Brazilian Amazon: seasonal and vertical variations. Science of the Total Environment, 2000, 261, 91-98.	8.0	101
8	Mercury methylation in macrophytes, periphyton, and water - comparative studies with stable and radio-mercury additions. Analytical and Bioanalytical Chemistry, 2002, 374, 983-989.	3.7	101
9	Biophysical interactions in the Cabo Frio upwelling system, southeastern Brazil. Brazilian Journal of Oceanography, 2012, 60, 353-365.	0.6	101
10	An assessment of Hg pollution in different goldmining areas, Amazon Brazil. Science of the Total Environment, 1995, 175, 127-140.	8.0	98
11	Epidemiologic confirmation that fruit consumption influences mercury exposure in riparian communities in the Brazilian Amazon. Environmental Research, 2007, 105, 183-193.	7.5	92
12	Hg methylation in sediments and floating meadows of a tropical lake in the Pantanal floodplain, Brazil. Science of the Total Environment, 1998, 213, 165-175.	8.0	84
13	Sulfate-Reducing Bacteria in Floating Macrophyte Rhizospheres from an Amazonian Floodplain Lake in Bolivia and Their Association with Hg Methylation. Applied and Environmental Microbiology, 2005, 71, 7531-7535.	3.1	82
14	Fish consumption and bioindicators of inorganic mercury exposure. Science of the Total Environment, 2007, 373, 68-76.	8.0	80
15	Selenium and Mercury in the Brazilian Amazon: Opposing Influences on Age-Related Cataracts. Environmental Health Perspectives, 2010, 118, 1584-1589.	6.0	69
16	Challenges to measuring, monitoring, and addressing the cumulative impacts of artisanal and small-scale gold mining in Ecuador. Resources Policy, 2013, 38, 713-722.	9.6	68
17	Elevated levels of selenium in the typical diet of Amazonian riverside populations. Science of the Total Environment, 2010, 408, 4076-4084.	8.0	64
18	Mercury methylation and the microbial consortium in periphyton of tropical macrophytes: Effect of different inhibitors. Environmental Research, 2012, 112, 86-91.	7.5	64

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19	Fish mercury concentration in the Alto Pantanal, Brazil: influence of season and water parameters. Science of the Total Environment, 2000, 261, 9-20.	8.0	63
20	A simplified radiochemical technique for measurements of net mercury methylation rates in aquatic systems near goldmining areas, Amazon, Brazil. Science of the Total Environment, 1995, 175, 151-162.	8.0	62
21	Mercury methylation in a tropical macrophyte: influence of abiotic parameters. Applied Organometallic Chemistry, 1999, 13, 631-636.	3.5	62
22	Elevated blood selenium levels in the Brazilian Amazon. Science of the Total Environment, 2006, 366, 101-111.	8.0	55
23	No evidence of selenosis from a selenium-rich diet in the Brazilian Amazon. Environment International, 2012, 40, 128-136.	10.0	51
24	Selenium from dietary sources and motor functions in the Brazilian Amazon. NeuroToxicology, 2011, 32, 944-953.	3.0	47
25	Mercury Pollution in AmapÃ¡, Brazil: Mercury Amalgamation in Artisanal and Small-Scale Gold Mining or Land-Cover and Land-Use Changes?. ACS Earth and Space Chemistry, 2018, 2, 441-450.	2.7	47
26	Cyanobacteria enhance methylmercury production: A hypothesis tested in the periphyton of two lakes in the Pantanal floodplain, Brazil. Science of the Total Environment, 2013, 456-457, 231-238.	8.0	45
27	Mercury methylation and bacterial activity associated to tropical phytoplankton. Science of the Total Environment, 2006, 364, 188-199.	8.0	43
28	Long-range effect of cyanide on mercury methylation in a gold mining area in southern Ecuador. Science of the Total Environment, 2011, 409, 5026-5033.	8.0	42
29	Mercury Methylation in Macrophyte Roots of a Tropical Lake. Water, Air, and Soil Pollution, 2001, 127, 271-280.	2.4	38
30	Potential changes in bacterial metabolism associated with increased water temperature and nutrient inputs in tropical humic lagoons. Frontiers in Microbiology, 2015, 6, 310.	3.5	37
31	Mercury methylation and sulfate reduction rates in mangrove sediments, Rio de Janeiro, Brazil: The role of different microorganism consortia. Chemosphere, 2017, 167, 438-443.	8.2	37
32	Simultaneous radioassays of bacterial production and mercury methylation in the periphyton of a tropical and a temperate wetland. Journal of Environmental Management, 2006, 81, 95-100.	7.8	35
33	Neurotoxic Sequelae of Mercury Exposure: An Intervention and Follow-up Study in the Brazilian Amazon. EcoHealth, 2011, 8, 210-222.	2.0	35
34	Respiratory Condition of Family Farmers Exposed to Pesticides in the State of Rio de Janeiro, Brazil. International Journal of Environmental Research and Public Health, 2018, 15, 1203.	2.6	35
35	Role of Methylmercury Exposure (from Fish Consumption) on Growth and Neurodevelopment of Children Under 5 Years of Age Living in a Transitioning (Tin-Mining) Area of the Western Amazon, Brazil. Archives of Environmental Contamination and Toxicology, 2012, 62, 341-350.	4.1	34
36	An investigation of mercury sources in the Puyango-Tumbes River: Using stable Hg isotopes to characterize transboundary Hg pollution. Chemosphere, 2018, 202, 777-787.	8.2	34

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37	Mercury and flooding cycles in the TapajÃ³s river basin, Brazilian Amazon: The role of periphyton of a floating macrophyte (Paspalum repens). Science of the Total Environment, 2011, 409, 2746-2753.	8.0	32
38	Biomarkers of selenium status in the amazonian context: Blood, urine and sequential hair segments. Journal of Exposure Science and Environmental Epidemiology, 2009, 19, 213-222.	3.9	31
39	Evidence of transboundary mercury and other pollutants in the Puyango-Tumbes River basin, Ecuadorâ€“Peru. Environmental Sciences: Processes and Impacts, 2018, 20, 632-641.	3.5	31
40	Cyanide Contamination of the Puyango-Tumbes River Caused by Artisanal Gold Mining in Portovelo-Zaruma, Ecuador. Current Environmental Health Reports, 2020, 7, 303-310.	6.7	29
41	Mercury methylation in sediments of a Brazilian mangrove under different vegetation covers and salinities. Chemosphere, 2015, 127, 214-221.	8.2	28
42	Seasonal changes in peryphytic microbial metabolism determining mercury methylation in a tropical wetland. Science of the Total Environment, 2018, 627, 1345-1352.	8.0	26
43	Evaluation of bioventing on a gasoline?ethanol contaminated undisturbed residual soil. Journal of Hazardous Materials, 2004, 110, 63-76.	12.4	25
44	Toxic risks and nutritional benefits of traditional diet on near visual contrast sensitivity and color vision in the Brazilian Amazon. NeuroToxicology, 2013, 37, 173-181.	3.0	24
45	[3H]Leucine incorporation method as a tool to measure secondary production by periphytic bacteria associated to the roots of floating aquatic macrophyte. Journal of Microbiological Methods, 2007, 71, 23-31.	1.6	23
46	Occupational exposure to pesticides and health symptoms among family farmers in Brazil. Revista De Saude Publica, 2020, 54, 133.	1.7	23
47	Effect of ethanol on the biodegradation of gasoline in an unsaturated tropical soil. International Biodeterioration and Biodegradation, 2009, 63, 208-216.	3.9	21
48	Evaluation of the Siltation of River Taquari, Pantanal, Brazil, through 210Pb Geochronology of Floodplain Lake Sediments. Journal of the Brazilian Chemical Society, 2002, 13, 71-77.	0.6	20
49	Mercury isotopic signatures of tailings from artisanal and small-scale gold mining (ASGM) in southwestern Ecuador. Science of the Total Environment, 2019, 686, 301-310.	8.0	20
50	Cyanobacteria as regulators of methylmercury production in periphyton. Science of the Total Environment, 2019, 668, 723-729.	8.0	20
51	Organochlorine compounds in sharks from the Brazilian coast. Marine Pollution Bulletin, 2009, 58, 294-298.	5.0	16
52	Visual acuity in fish consumers of the Brazilian Amazon: risks and benefits from local diet. Public Health Nutrition, 2011, 14, 2236-2244.	2.2	15
53	Waterscape determinants of net mercury methylation in a tropical wetland. Environmental Research, 2016, 150, 438-445.	7.5	15
54	Total Mercury Distribution and Volatilization in Microcosms with and Without the Aquatic Macrophyte Eichhornia Crassipes. Aquatic Geochemistry, 2012, 18, 421-432.	1.3	13

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55	Yearly variation of bacterial production in the Arraial do Cabo protection area (Cabo Frio upwelling) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	13
56	Risk Communication Strategies: Lessons Learned from Previous Disasters with a Focus on the Fukushima Radiation Accident. Current Environmental Health Reports, 2016, 3, 348-359.	6.7	13
57	Comparative tests on the efficiency of three methods of methylmercury extraction in environmental samples. Applied Organometallic Chemistry, 1999, 13, 487-493.	3.5	12
58	Development of sediment toxicity test with tropical peneid shrimps. Environmental Toxicology and Chemistry, 2000, 19, 1881-1884.	4.3	12
59	Study of Biodegradation Processes of BTEX-ethanol Mixture in Tropical Soil. Water, Air, and Soil Pollution, 2007, 181, 303.	2.4	11
60	Data on pesticide exposure and mental health screening of family farmers in Brazil. Data in Brief, 2019, 25, 103993.	1.0	11
61	Mercury in the Amazon. Elementa, 2020, 8, .	3.2	11
62	137Cs, 60Co and 125I bioaccumulation by seaweeds from the Angra dos Reis nuclear power plant region. Marine Environmental Research, 1985, 16, 77-93.	2.5	10
63	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2000, 243, 789-796.	1.5	10
64	Quality of Life and Health Perceptions Among Fish-Eating Communities of the Brazilian Amazon: An Ecosystem Approach to Well-Being. EcoHealth, 2009, 6, 121-134.	2.0	10
65	Impacts of crab bioturbation and local pollution on sulfate reduction, Hg distribution and methylation in mangrove sediments, Rio de Janeiro, Brazil. Marine Pollution Bulletin, 2016, 109, 453-460.	5.0	10
66	Impacts on Environmental Health of Small-Scale Gold Mining in Ecuador. , 2012, , 119-130.		9
67	Adaptation of the 3H-Leucine Incorporation Technique to Measure Heterotrophic Activity Associated with Biofilm on the Blades of the Seaweed Sargassum spp.. Microbial Ecology, 2013, 65, 424-436.	2.8	9
68	137Cs pre-concentration from water samples using a Prussian blue impregnated ion-exchanger. Journal of Environmental Radioactivity, 1993, 20, 213-219.	1.7	8
69	Mercury methylation in mesocosms with and without the aquatic macrophyte Eichhornia crassipes (mart.) Solms. Ecotoxicology and Environmental Safety, 2013, 96, 124-130.	6.0	7
70	Seasonal sources of carbon to the Brazilian upwelling system. Estuarine, Coastal and Shelf Science, 2017, 194, 162-171.	2.1	7
71	AvaliaÃ§Ã£o de saÃºde pÃºblica por exposiÃ§Ã£o a agroquÃmicos:. Sustentabilidade Em Debate, 2018, 9, 81-94.	0.2	7
72	Strontium-85 bioaccumulation by Sargassum spp. (brown seaweed) and Galaxaura marginata (calcareous seaweed). Science of the Total Environment, 1988, 75, 225-233.	8.0	6

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73	Bacterial and Archaeal Communities Variability Associated with Upwelling and Anthropogenic Pressures in the Protection Area of Arraial do Cabo (Cabo Frio region - RJ). Anais Da Academia Brasileira De Ciencias, 2015, 87, 1737-1750.	0.8	6
74	Experimental evaluation of CO 2 percolation effects on subsurface soil microbiota. International Journal of Greenhouse Gas Control, 2015, 32, 135-146.	4.6	6
75	The Effect of Light on Bacterial Activity in a Seaweed Holobiont. Microbial Ecology, 2017, 74, 868-876.	2.8	6
76	Influence of Soil and Climate on Carbon Cycling and Microbial Activity of a Heterogeneous Tropical Soil. Geomicrobiology Journal, 2012, 29, 399-412.	2.0	4
77	A Virtuous Cycle in the Amazon: Reducing Mercury Exposure from Fish Consumption Requires Sustainable Agriculture. , 2012, , 109-118.		4
78	Characterization and distribution of pesticide use from 2015 to 2019, by health regions in the state of RondÃ´nia (RO), Amazon, Brazil. Brazilian Journal of Environmental Sciences (Online), 2021, 56, 445-458.	0.4	3
79	MercÃºrioemsistemas aquÃ¡ticos: fatores ambientais que afetam a metilaÃ§Ã£o. Oecologia Brasiliensis, 2007, 11, 240-251.	0.5	3
80	A importÃ¢ncia das macrÃ³fitas aquÃ¡ticas no ciclo do mercÃºrio na Bacia do Rio TapajÃ³s (PA). Oecologia Brasiliensis, 2007, 11, 252-263.	0.5	3
81	Biomonitoring Environmental Contamination with Metallic and Methylmercury in Amazon Gold Mining Areas, Brazil. , 1999, , 41-54.		2
82	Mercury distribution, methylation and volatilization in microcosms with and without the sea anemone Bunodosoma caissarum. Marine Pollution Bulletin, 2015, 92, 105-112.	5.0	2
83	Conhecimentos, atitudes e prÃ¡ticas de agricultores familiares brasileiros sobre a exposiÃ§Ã£o aos agrotÃ³xicos. Saude E Sociedade, 2021, 30, .	0.3	2
84	Um novo mÃ©todo para quantificar mercÃºrio orgÃ¢nico (Hg orgÃ¢nico) empregando a espectrometria de fluorescÃªncia atÃ´mica do vapor frio. Quimica Nova, 2006, 29, .	0.3	0