Donna Mergler

List of Publications by Year
in descending order

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82 papers	6,449 citations	57758 44 h-index	64796 79 g-index
83 all docs	83 docs citations	83 times ranked	6093 citing authors

#	Article	IF	Citations
1	Methylmercury Exposure and Health Effects in Humans: A Worldwide Concern. Ambio, 2007, 36, 3-11.	5.5	979
2	Intellectual Impairment in School-Age Children Exposed to Manganese from Drinking Water. Environmental Health Perspectives, 2011, 119, 138-143.	6.0	503
3	Hair Manganese and Hyperactive Behaviors: Pilot Study of School-Age Children Exposed through Tap Water. Environmental Health Perspectives, 2007, 115, 122-127.	6.0	332
4	Neurotoxic Effects of Low-Level Methylmercury Contamination in the Amazonian Basin. Environmental Research, 1998, 79, 20-32.	7.5	267
5	Dose-effect relationships between manganese exposure and neurological, neuropsychological and pulmonary function in confined space bridge welders. Occupational and Environmental Medicine, 2007, 64, 167-177.	2.8	234
6	Elevated manganese and cognitive performance in school-aged children and their mothers. Environmental Research, 2011, 111, 156-163.	7.5	209
7	Neurobehavioral Function in School-Age Children Exposed to Manganese in Drinking Water. Environmental Health Perspectives, 2014, 122, 1343-1350.	6.0	188
8	A preliminary study of mercury exposure and blood pressure in the Brazilian Amazon. Environmental Health, 2006, 5, 29.	4.0	131
9	Human mercury exposure and adverse health effects in the Amazon: a review. Cadernos De Saude Publica, 2008, 24, s503-s520.	1.0	124
10	Sequential analysis of hair mercury levels in relation to fish diet of an Amazonian population, Brazil. Science of the Total Environment, 2001, 271, 87-97.	8.0	116
11	Manganese levels during pregnancy and at birth: relation to environmental factors and smoking in a Southwest Quebec population. Environmental Research, 2004, 95, 119-125.	7.5	116
12	Pesticide exposure and neurodevelopment in children aged 6â€“9 years from Talamanca, CostaÂRica. Cortex, 2016, 85, 137-150.	2.4	110
13	Mercury exposure and oxidative stress in communities of the Brazilian Amazon. Science of the Total Environment, 2010, 408, 806-811.	8.0	108
14	Temporal variation of blood and hair mercury levels in pregnancy in relation to fish consumption history in a population living along the St. Lawrence River. Environmental Research, 2004, 95, 363-374.	7.5	107
15	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
16	Risks and Benefits of Consumption of Great Lakes Fish. Environmental Health Perspectives, 2012, 120, 11-18.	6.0	106
17	Gender differences in the effects of organochlorines, mercury, and lead on thyroid hormone levels in lakeside communities of Quebec (Canada). Environmental Research, 2008, 107, 380-392.	7.5	102
18	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

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19	Eating tropical fruit reduces mercury exposure from fish consumption in the Brazilian Amazon. Environmental Research, 2003, 93, 123-130.	7.5	96
20	Biomarkers of Methylmercury Exposure Immunotoxicity among Fish Consumers in Amazonian Brazil. Environmental Health Perspectives, 2011, 119, 1733-1738.	6.0	96
21	Epidemiologic confirmation that fruit consumption influences mercury exposure in riparian communities in the Brazilian Amazon. Environmental Research, 2007, 105, 183-193.	7.5	92
22	High levels of hair manganese in children living in the vicinity of a ferro-manganese alloy production plant. NeuroToxicology, 2009, 30, 1207-1213.	3.0	92
23	New Evidence on Variations of Human Body Burden of Methylmercury from Fish Consumption. Environmental Health Perspectives, 2006, 114, 302-306.	6.0	91
24	Fish consumption and bioindicators of inorganic mercury exposure. Science of the Total Environment, 2007, 373, 68-76.	8.0	80
25	Neurotoxic Effects of Low Level Exposure to Manganese in Human Populations. Environmental Research, 1999, 80, 99-102.	7.5	73
26	Tools for Thoughtful Action: The Role of Ecosystem Approaches to Health in Enhancing Public Health. Canadian Journal of Public Health, 2010, 101, 439-441.	2.3	73
27	A benchmark concentration analysis for manganese in drinking water and IQ deficits in children. Environment International, 2019, 130, 104889.	10.0	72
28	Selenium and Mercury in the Brazilian Amazon: Opposing Influences on Age-Related Cataracts. Environmental Health Perspectives, 2010, 118, 1584-1589.	6.0	69
29	Elevated manganese exposure and school-aged children's behavior: A gender-stratified analysis. NeuroToxicology, 2014, 45, 293-300.	3.0	69
30	Fish intake and serum fatty acid profiles from freshwater fish. American Journal of Clinical Nutrition, 2006, 84, 1299-1307.	4.7	66
31	Aerial Application of Mancozeb and Urinary Ethylene Thiourea (ETU) Concentrations among Pregnant Women in Costa Rica: The Infantsâ€™ Environmental Health Study (ISA). Environmental Health Perspectives, 2014, 122, 1321-1328.	6.0	66
32	Elevated levels of selenium in the typical diet of Amazonian riverside populations. Science of the Total Environment, 2010, 408, 4076-4084.	8.0	64
33	Blood and Hair Manganese Concentrations in Pregnant Women from the Infantsâ€™ Environmental Health Study (ISA) in Costa Rica. Environmental Science & Technology, 2014, 48, 3467-3476.	10.0	63
34	Pesticide Usage and Health Consequences for Women in Developing Countries: Out of Sight Out of Mind?. International Journal of Occupational and Environmental Health, 2002, 8, 46-59.	1.2	62
35	Network Approach for Analyzing and Promoting Equity in Participatory Ecohealth Research. EcoHealth, 2005, 2, 113-126.	2.0	56
36	Elevated blood selenium levels in the Brazilian Amazon. Science of the Total Environment, 2006, 366, 101-111.	8.0	55

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37	Maternal blood and hair manganese concentrations, fetal growth, and length of gestation in the ISA cohort in Costa Rica. Environmental Research, 2015, 136, 47-56.	7.5	54
38	Environmental Co-Exposure to Lead and Manganese and Intellectual Deficit in School-Aged Children. International Journal of Environmental Research and Public Health, 2018, 15, 2418.	2.6	54
39	Neurotoxic exposures and effects: Gender and sex matter! HÃnninen Lecture 2011. NeuroToxicology, 2012, 33, 644-651.	3.0	53
40	No evidence of selenosis from a selenium-rich diet in the Brazilian Amazon. Environment International, 2012, 40, 128-136.	10.0	51
41	Manganese concentrations in drinking water from villages near banana plantations with aerial mancozeb spraying in Costa Rica: Results from the Infants' Environmental Health Study (ISA). Environmental Pollution, 2016, 215, 247-257.	7.5	51
42	Airborne manganese exposure and neurobehavior in school-aged children living near a ferro-manganese alloy plant. Environmental Research, 2018, 167, 66-77.	7.5	51
43	Elevated blood lead levels in a riverside population in the Brazilian Amazon. Environmental Research, 2009, 109, 594-599.	7.5	47
44	Selenium from dietary sources and motor functions in the Brazilian Amazon. NeuroToxicology, 2011, 32, 944-953.	3.0	47
45	Cumulative exposure to styrene and visual functions. American Journal of Industrial Medicine, 2001, 39, 351-360.	2.1	46
46	Changes in water manganese levels and longitudinal assessment of intellectual function in children exposed through drinking water. NeuroToxicology, 2018, 64, 118-125.	3.0	44
47	Contrast-Sensitivity Loss in a Group of Former Microelectronics Workers with Normal Visual Acuity. Optometry and Vision Science, 1991, 68, 556-560.	1.2	43
48	Biomonitoring of Mercury Exposure with Single Human Hair Strand. Environmental Science & Technology, 2005, 39, 4594-4598.	10.0	39
49	Neurotoxic Sequelae of Mercury Exposure: An Intervention and Follow-up Study in the Brazilian Amazon. EcoHealth, 2011, 8, 210-222.	2.0	35
50	Social communication network analysis of the role of participatory research in the adoption of new fish consumption behaviors. Social Science and Medicine, 2012, 75, 643-650.	3.8	35
51	MRI pallidal signal in children exposed to manganese in drinking water. NeuroToxicology, 2016, 53, 124-131.	3.0	32
52	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
53	Mercury in Fish-eating Communities of the Andean Amazon, Napo River Valley, Ecuador. EcoHealth, 2004, 1, SU59-SU71.	2.0	30
54	The role of strong-tie social networks in mediating food security of fish resources by a traditional riverine community in the Brazilian Amazon. Ecology and Society, 2015, 20, .	2.3	29

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55	Manganese and lead in dust fall accumulation in elementary schools near a ferromanganese alloy plant. Environmental Research, 2016, 148, 322-329.	7.5	29
56	Manganese and lead levels in settled dust in elementary schools are correlated with biomarkers of exposure in school-aged children. Environmental Pollution, 2018, 236, 1004-1013.	7.5	26
57	Affective and personality disturbances among female former microelectronics workers. Journal of Clinical Psychology, 1991, 47, 41-52.	1.9	25
58	Analysis of Mercury in Sequential Micrometer Segments of Single Hair Strands of Fish-Eaters. Environmental Science & Technology, 2007, 41, 593-598.	10.0	25
59	Emergence and Robustness of a Community Discussion Network on Mercury Contamination and Health in the Brazilian Amazon. Health Education and Behavior, 2008, 35, 509-521.	2.5	25
60	Review of neurobehavioral deficits and river fish consumption from the TapajÃ³s (Brazil) and St. Lawrence (Canada). Environmental Toxicology and Pharmacology, 2002, 12, 93-99.	4.0	24
61	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
62	Trace element levels in whole blood of riparian villagers of the Brazilian Amazon. Science of the Total Environment, 2009, 407, 4168-4173.	8.0	22
63	Ecosystem matters: Fish consumption, mercury intake and exposure among fluvial lake fish-eaters. Science of the Total Environment, 2008, 407, 154-164.	8.0	21
64	Mercury Exposure Increases Circulating Net Matrix Metalloproteinase (MMP)â€2 and MMPâ€9 Activities. Basic and Clinical Pharmacology and Toxicology, 2009, 105, 281-288.	2.5	18
65	Mercury concentrations in urine of amerindian populations near oil fields in the peruvian and ecuadorian amazon. Environmental Research, 2016, 151, 344-350.	7.5	17
66	The new tapestry of risk assessment. NeuroToxicology, 2008, 29, 883-890.	3.0	16
67	Exposure to common-use pesticides, manganese, lead, and thyroid function among pregnant women from the Infants' Environmental Health (ISA) study, Costa Rica. Science of the Total Environment, 2022, 810, 151288.	8.0	16
68	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
69	Levels of 1-hydroxypyrene in urine of people living in an oil producing region of the Andean Amazon (Ecuador and Peru). International Archives of Occupational and Environmental Health, 2018, 91, 105-115.	2.3	14
70	Mercury exposure and premature mortality in the Grassy Narrows First Nation community: a retrospective longitudinal study. Lancet Planetary Health, The, 2020, 4, e141-e148.	11.4	13
71	Ecosystem approaches to mercury and human health: A way toward the future. Ambio, 2021, 50, 527-531.	5.5	13
72	Mercury Contamination in an Indicator Fish Species from Andean Amazonian Rivers Affected by Petroleum Extraction. Bulletin of Environmental Contamination and Toxicology, 2015, 95, 279-285.	2.7	12

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73	Environmental biomonitoring using cytogenetic endpoints in a population exposed to mercury in the Brazilian Amazon. Environmental and Molecular Mutagenesis, 2004, 44, 346-349.	2.2	10
74	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
75	Beyond the workplace: An exploratory study of the impact of neurotoxic workplace exposure on marital relations. , 2000, 37, 316-323.		9
76	Past mercury exposure and current symptoms of nervous system dysfunction in adults of a First Nation community (Canada). Environmental Health, 2022, 21, 34.	4.0	6
77	A Virtuous Cycle in the Amazon: Reducing Mercury Exposure from Fish Consumption Requires Sustainable Agriculture. , 2012, , 109-118.		4
78	Rural development and shifts in household dietary practices from 1999 to 2010 in the TapajÃ³s River region, Brazilian Amazon: empirical evidence from dietary surveys. Globalization and Health, 2020, 16, 36.	4.9	4
79	Executive functions in school-aged children exposed to airborne manganese: A multilevel analysis. Environmental Research, 2022, 210, 112940.	7.5	2
80	Workplace Exposures beyond the Workplace: Exposure Assessment for a Pilot Study of Effects of Workplace Exposures on Family Life. Journal of Occupational and Environmental Hygiene, 1998, 13, 629-633.	0.4	1
81	SantÃ©mental et relations conjugales ches les travilleurs exposÃ©s Ã des substances neurotoxiques.. Canadian Journal of Behavioural Science, 1998, 30, 147-158.	0.6	1
82	Data use in a toxicokinetic model to reconstruct methylmercury intake. Journal of Exposure Science and Environmental Epidemiology, 2006, 16, 299-299.	3.9	1