

Roberto G Lucchini

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116
papers

3,248
citations

32
h-index

54
g-index

135
ext. papers

3,966
ext. citations

4.6
avg, IF

5.19
L-index

#	Paper	IF	Citations
116	The role of metals in neurodegenerative processes: aluminum, manganese, and zinc. <i>Brain Research Bulletin</i> , 2003 , 62, 15-28	3.9	252
115	Tremor, olfactory and motor changes in Italian adolescents exposed to historical ferro-manganese emission. <i>NeuroToxicology</i> , 2012 , 33, 687-96	4.4	167
114	Neurological impacts from inhalation of pollutants and the nose-brain connection. <i>NeuroToxicology</i> , 2012 , 33, 838-41	4.4	157
113	High prevalence of Parkinsonian disorders associated to manganese exposure in the vicinities of ferroalloy industries. <i>American Journal of Industrial Medicine</i> , 2007 , 50, 788-800	2.7	131
112	From manganism to manganese-induced parkinsonism: a conceptual model based on the evolution of exposure. <i>NeuroMolecular Medicine</i> , 2009 , 11, 311-21	4.6	117
111	Biomarkers of Mn exposure in humans. <i>American Journal of Industrial Medicine</i> , 2007 , 50, 801-11	2.7	116
110	Inverse association of intellectual function with very low blood lead but not with manganese exposure in Italian adolescents. <i>Environmental Research</i> , 2012 , 118, 65-71	7.9	94
109	Motor function, olfactory threshold, and hematological indices in manganese-exposed ferroalloy workers. <i>Environmental Research</i> , 1997 , 73, 175-80	7.9	86
108	Cancer incidence in world trade center rescue and recovery workers, 2001-2008. <i>Environmental Health Perspectives</i> , 2013 , 121, 699-704	8.4	82
107	Global occupational health: current challenges and the need for urgent action. <i>Annals of Global Health</i> , 2014 , 80, 251-6	3.3	80
106	Manganese exposure: cognitive, motor and behavioral effects on children: a review of recent findings. <i>Current Opinion in Pediatrics</i> , 2013 , 25, 255-60	3.2	80
105	Neuropsychological testing for the assessment of manganese neurotoxicity: a review and a proposal. <i>American Journal of Industrial Medicine</i> , 2007 , 50, 812-30	2.7	80
104	Sub-clinical neurobehavioral abnormalities associated with low level of mercury exposure through fish consumption. <i>NeuroToxicology</i> , 2003 , 24, 617-23	4.4	80
103	Fate of manganese associated with the inhalation of welding fumes: potential neurological effects. <i>NeuroToxicology</i> , 2006 , 27, 304-10	4.4	78
102	Are current biomarkers suitable for the assessment of manganese exposure in individual workers?. <i>American Journal of Industrial Medicine</i> , 2000 , 37, 283-90	2.7	71
101	Cohort Profile: World Trade Center Health Program General Responder Cohort. <i>International Journal of Epidemiology</i> , 2017 , 46, e9	7.8	66
100	Hair as a biomarker of environmental manganese exposure. <i>Environmental Science & Technology</i> , 2013 , 47, 1629-37	10.3	64

99	Metal contamination of home garden soils and cultivated vegetables in the province of Brescia, Italy: implications for human exposure. <i>Science of the Total Environment</i> , 2015 , 518-519, 507-17	10.2	61
98	Neurofunctional dopaminergic impairment in elderly after lifetime exposure to manganese. <i>NeuroToxicology</i> , 2014 , 45, 309-17	4.4	61
97	Adequacy and consistency of animal studies to evaluate the neurotoxicity of chronic low-level manganese exposure in humans. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007 , 70, 594-605	3.2	57
96	Manganese and Developmental Neurotoxicity. <i>Advances in Neurobiology</i> , 2017 , 18, 13-34	2.1	47
95	ATP13A2 (PARK9) polymorphisms influence the neurotoxic effects of manganese. <i>NeuroToxicology</i> , 2012 , 33, 697-702	4.4	43
94	Lifetime cumulative exposure as a threat for neurodegeneration: need for prevention strategies on a global scale. <i>NeuroToxicology</i> , 2009 , 30, 1144-8	4.4	38
93	Manganese in teeth and neurobehavior: Sex-specific windows of susceptibility. <i>Environment International</i> , 2017 , 108, 299-308	12.9	37
92	Cancer in World Trade Center responders: Findings from multiple cohorts and options for future study. <i>American Journal of Industrial Medicine</i> , 2016 , 59, 96-105	2.7	37
91	A new non-destructive method for chemical analysis of particulate matter filters: the case of manganese air pollution in Vallecamonica (Italy). <i>Talanta</i> , 2011 , 84, 192-8	6.2	37
90	The Declaration of Brescia on prevention of the neurotoxicity of metals June 18, 2006. <i>American Journal of Industrial Medicine</i> , 2007 , 50, 709-11	2.7	37
89	Manganese concentrations in soil and settled dust in an area with historic ferroalloy production. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015 , 25, 443-50	6.7	36
88	A comparative assessment of major international disasters: the need for exposure assessment, systematic emergency preparedness, and lifetime health care. <i>BMC Public Health</i> , 2017 , 17, 46	4.1	35
87	Risk factors for operated carpal tunnel syndrome: a multicenter population-based case-control study. <i>BMC Public Health</i> , 2009 , 9, 343	4.1	34
86	Neurobehavioral testing in human risk assessment. <i>NeuroToxicology</i> , 2008 , 29, 556-67	4.4	33
85	From lead to manganese through mercury: mythology, science, and lessons for prevention. <i>American Journal of Industrial Medicine</i> , 2007 , 50, 779-87	2.7	33
84	Sex differences in sensitivity to prenatal and early childhood manganese exposure on neuromotor function in adolescents. <i>Environmental Research</i> , 2017 , 159, 458-465	7.9	30
83	Olfactory functions at the intersection between environmental exposure to manganese and Parkinsonism. <i>Journal of Trace Elements in Medicine and Biology</i> , 2012 , 26, 179-82	4.1	29
82	European approaches to work-related stress: a critical review on risk evaluation. <i>Safety and Health at Work</i> , 2012 , 3, 43-9	4	29

81	The neurobehavioral impact of manganese: results and challenges obtained by a meta-analysis of individual participant data. <i>NeuroToxicology</i> , 2013 , 36, 1-9	4.4	27
80	Analysis of settled dust with X-ray Fluorescence for exposure assessment of metals in the province of Brescia, Italy. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1579-85		27
79	Associations of a Metal Mixture Measured in Multiple Biomarkers with IQ: Evidence from Italian Adolescents Living near Ferroalloy Industry. <i>Environmental Health Perspectives</i> , 2020 , 128, 97002	8.4	27
78	COVID-19 incidence and mortality in Lombardy, Italy: An ecological study on the role of air pollution, meteorological factors, demographic and socioeconomic variables. <i>Environmental Research</i> , 2021 , 195, 110777	7.9	27
77	Common Polymorphisms in the Solute Carrier SLC30A10 are Associated With Blood Manganese and Neurological Function. <i>Toxicological Sciences</i> , 2016 , 149, 473-83	4.4	26
76	Application of a latent variable model for a multicenter study on early effects due to mercury exposure. <i>NeuroToxicology</i> , 2003 , 24, 605-16	4.4	26
75	Heavy Metals in Soil and Salad in the Proximity of Historical Ferroalloy Emission. <i>Journal of Environmental Protection</i> , 2012 , 3, 374-385	0.6	24
74	Destruction of the World Trade Center Towers. Lessons Learned from an Environmental Health Disaster. <i>Annals of the American Thoracic Society</i> , 2016 , 13, 577-83	4.7	22
73	Assessing the contributions of metals in environmental media to exposure biomarkers in a region of ferroalloy industry. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019 , 29, 674-687	6.7	22
72	Effects of Manganese Exposure on Olfactory Functions in Teenagers: A Pilot Study. <i>PLoS ONE</i> , 2016 , 11, e0144783	3.7	21
71	Access to properly fitting personal protective equipment for female construction workers. <i>American Journal of Industrial Medicine</i> , 2016 , 59, 1032-1040	2.7	20
70	Neurobehavioral science in hazard identification and risk assessment of neurotoxic agents--what are the requirements for further development?. <i>International Archives of Occupational and Environmental Health</i> , 2005 , 78, 427-37	3.2	19
69	Cancer in General Responders Participating in World Trade Center Health Programs, 2003-2013. <i>JNCI Cancer Spectrum</i> , 2020 , 4, pkz090	4.6	18
68	Peripheral markers of catecholamine metabolism among workers occupationally exposed to manganese (Mn). <i>Toxicology Letters</i> , 1995 , 77, 329-33	4.4	18
67	Polymorphisms in Manganese Transporters 0 and Are Associated With Children's Neurodevelopment by Influencing Manganese Homeostasis. <i>Frontiers in Genetics</i> , 2018 , 9, 664	4.5	18
66	Torvis oculis: occupational roots of behavioral neurotoxicology in the last two centuries and beyond. <i>NeuroToxicology</i> , 2012 , 33, 652-9	4.4	17
65	Manganese transporter genetics and sex modify the association between environmental manganese exposure and neurobehavioral outcomes in children. <i>Environment International</i> , 2019 , 130, 104908	12.9	16
64	Association between personal exposure to ambient metals and respiratory disease in Italian adolescents: a cross-sectional study. <i>BMC Pulmonary Medicine</i> , 2016 , 16, 6	3.5	16

63	An integrated model for the assessment of stress-related risk factors in health care professionals. <i>Industrial Health</i> , 2011 , 49, 15-23	2.5	16
62	Polymorphisms in manganese transporters show developmental stage and sex specific associations with manganese concentrations in primary teeth. <i>NeuroToxicology</i> , 2018 , 64, 103-109	4.4	15
61	Mortality among World Trade Center rescue and recovery workers, 2002-2011. <i>American Journal of Industrial Medicine</i> , 2016 , 59, 87-95	2.7	15
60	Neurocognitive impact of metal exposure and social stressors among schoolchildren in Taranto, Italy. <i>Environmental Health</i> , 2019 , 18, 67	6	14
59	Association between Work-Related Stress and QT Prolongation in Male Workers. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	13
58	Comparison of multiple X-ray fluorescence techniques for elemental analysis of particulate matter collected on air filters. <i>Journal of Aerosol Science</i> , 2018 , 122, 1-10	4.3	12
57	Reduced cortical thickness in World Trade Center responders with cognitive impairment. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020 , 12, e12059	5.2	11
56	Prostate cancer characteristics in the World Trade Center cohort, 2002-2013. <i>European Journal of Cancer Prevention</i> , 2018 , 27, 347-354	2	11
55	The association between body mass index and gastroesophageal reflux disease in the World Trade Center Health Program General Responder Cohort. <i>American Journal of Industrial Medicine</i> , 2016 , 59, 761-6	2.7	10
54	Baseline serum Carotene concentration and mortality among long-term asbestos-exposed insulators. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015 , 24, 555-60	4	9
53	Predictors of virtual radial arm maze performance in adolescent Italian children. <i>NeuroToxicology</i> , 2012 , 33, 1203-11	4.4	9
52	Mechanism of neurobehavioral alteration. <i>Toxicology Letters</i> , 2000 , 112-113, 35-9	4.4	9
51	Multi-media biomarkers: Integrating information to improve lead exposure assessment. <i>Environmental Research</i> , 2020 , 183, 109148	7.9	8
50	Determinants of serum manganese levels in an Italian population. <i>Molecular Medicine Reports</i> , 2017 , 15, 3340-3349	2.9	7
49	Profiles and species of Mn, Fe and trace metals in soils near a ferromanganese plant in Bagnolo Mella (Brescia, IT). <i>Science of the Total Environment</i> , 2021 , 755, 143123	10.2	7
48	Early-life dentine manganese concentrations and intrinsic functional brain connectivity in adolescents: A pilot study. <i>PLoS ONE</i> , 2019 , 14, e0220790	3.7	6
47	Neurotoxicology and development: human, environmental and social impacts. <i>NeuroToxicology</i> , 2014 , 45, 217-9	4.4	6
46	Statistical means to enhance the comparability of data within a pooled analysis of individual data in neurobehavioral toxicology. <i>Toxicology Letters</i> , 2011 , 206, 144-51	4.4	6

45	Education and Training: Key Factors in Global Occupational and Environmental Health. <i>Annals of Global Health</i> , 2018 , 84, 436-441	3.3	6
44	Association of low FVC spirometric pattern with WTC occupational exposures. <i>Respiratory Medicine</i> , 2020 , 170, 106058	4.6	5
43	Development of a Physiological Frailty Index for the World Trade Center General Responder Cohort. <i>Current Gerontology and Geriatrics Research</i> , 2018 , 2018, 3725926	2.9	5
42	Prolactin changes as a consequence of chemical exposure. <i>Environmental Health Perspectives</i> , 2006 , 114, A573-4; author reply A574	8.4	5
41	Association between Organophosphate Pesticide Exposure and Insulin Resistance in Pesticide Sprayers and Nonfarmworkers. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	5
40	Risk factors for head and neck cancer in the World Trade Center Health Program General Responder Cohort: results from a nested case-control study. <i>Occupational and Environmental Medicine</i> , 2019 , 76, 854-860	2.1	5
39	Integrated measures of lead and manganese exposure improve estimation of their joint effects on cognition in Italian school-age children. <i>Environment International</i> , 2021 , 146, 106312	12.9	5
38	Cancer mortality disparities among New York City Upper Manhattan neighborhoods. <i>European Journal of Cancer Prevention</i> , 2017 , 26, 453-460	2	4
37	Bernardino Ramazzini (1633-1714). <i>Journal of Neurology</i> , 2018 , 265, 2164-2165	5.5	4
36	Tremor secondary to neurotoxic exposure: mercury, lead, solvents, pesticides. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2015 , 131, 241-9	3	4
35	Cognitive impairment and World Trade Centre-related exposures. <i>Nature Reviews Neurology</i> , 2021 ,	15	4
34	Metal Exposure and SNCA rs356219 Polymorphism Associated With Parkinson Disease and Parkinsonism. <i>Frontiers in Neurology</i> , 2020 , 11, 556337	4.1	4
33	Sex-specific associations between co-exposure to multiple metals and visuospatial learning in early adolescence. <i>Translational Psychiatry</i> , 2020 , 10, 358	8.6	4
32	Standardized cancer incidence disparities in Upper Manhattan New York City neighborhoods: the role of race/ethnicity, socioeconomic status, and known risk factors. <i>European Journal of Cancer Prevention</i> , 2016 , 25, 349-56	2	4
31	Excess HPV-related head and neck cancer in the world trade center health program general responder cohort. <i>International Journal of Cancer</i> , 2019 , 145, 1504-1509	7.5	4
30	Selective hippocampal subfield volume reductions in World Trade Center responders with cognitive impairment. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021 , 13, e12165	5.2	4
29	A cortical thinning signature to identify World Trade Center responders with possible dementia. <i>Intelligence-based Medicine</i> , 2021 , 5, 100032	2.7	4
28	Obesity and weight gain among former World Trade Center workers and volunteers. <i>Archives of Environmental and Occupational Health</i> , 2017 , 72, 106-110	2	3

27	Diesel and silica monitoring at two sites following hurricane sandy. <i>Journal of Occupational and Environmental Hygiene</i> , 2014 , 11, D131-43	2.9	3
26	Proposal of a method for identifying exposure to hazardous chemicals in biomedical laboratories. <i>Clinica Chimica Acta</i> , 1996 , 256, 75-86	6.2	3
25	Assessment of cumulative health risk in the World Trade Center general responder cohort. <i>American Journal of Industrial Medicine</i> , 2018 , 61, 63-76	2.7	3
24	Neurotoxicology of Metals 2015 , 299-311		2
23	Principles for Prevention of the Toxic Effects of Metals 2015 , 507-528		2
22	Reduced cortical thickness in World Trade Center responders with cognitive impairment. <i>Alzheimer's and Dementia</i> , 2020 , 16, e039996	1.2	2
21	Cortical complexity in world trade center responders with chronic posttraumatic stress disorder. <i>Translational Psychiatry</i> , 2021 , 11, 597	8.6	2
20	Sex differences in asthma and gastroesophageal reflux disease incidence among the World Trade Center Health Program General Responder Cohort. <i>American Journal of Industrial Medicine</i> , 2016 , 59, 815-22	2.7	2
19	Critical windows of susceptibility in the association between manganese and neurocognition in Italian adolescents living near ferro-manganese industry. <i>NeuroToxicology</i> , 2021 , 87, 51-61	4.4	2
18	Metabolic Outcomes in Southern Italian Preadolescents Residing Near an Industrial Complex: The Role of Residential Location and Socioeconomic Status. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	1
17	Local effects and global impact in neurotoxicity and neurodegeneration: the Xi'an International Neurotoxicology Conference. <i>NeuroToxicology</i> , 2012 , 33, 629-30	4.4	1
16	Bone manganese is a sensitive biomarker of ongoing elevated manganese exposure, but does not accumulate across the lifespan. <i>Environmental Research</i> , 2022 , 204, 112355	7.9	1
15	Retrospective Assessment of Risk Factors for Head and Neck Cancer Among World Trade Center General Responders. <i>Frontiers in Public Health</i> , 2020 , 8, 488057	6	1
14	Development and Validation of a Clinical Frailty Index for the World Trade Center General Responder Cohort. <i>Journal of Aging and Health</i> , 2021 , 33, 531-544	2.6	1
13	The effects of the exposure to neurotoxic elements on Italian schoolchildren behavior. <i>Scientific Reports</i> , 2021 , 11, 9898	4.9	1
12	Cancer survival among World Trade Center rescue and recovery workers: A collaborative cohort study. <i>American Journal of Industrial Medicine</i> , 2021 , 64, 815-826	2.7	1
11	Relationships of Nutritional Factors and Agrochemical Exposure with Parkinson's Disease in the Province of Brescia, Italy.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	1
10	Reduced cerebellar cortical thickness in World Trade Center responders with cognitive impairment.. <i>Translational Psychiatry</i> , 2022 , 12, 107	8.6	1

9	Respirator usage protects brain white matter from welding fume exposure: A pilot magnetic resonance imaging study of welders. <i>NeuroToxicology</i> , 2020 , 78, 202-208	4.4	○
8	Principles for prevention of the toxic effects of metals 2022 , 685-703		○
7	Response to Soskolne [2017]. <i>American Journal of Industrial Medicine</i> , 2017 , 60, 512	2.7	
6	Chapter 21:Cognitive Effects of Manganese in Children and Adults. <i>Issues in Toxicology</i> , 2014 , 524-539	0.3	
5	Neurotoxicology of metals 2022 , 445-458		
4	Neurological Disorders 2011 , 163-196		
3	Assessment of Integrated Aerosol Sampling Techniques in Indoor, Confined and Outdoor Environments Characterized by Specific Emission Sources. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4360	2.6	
2	Mental health mediators of subjective cognitive concerns among World Trade Center responders. <i>Journal of Psychiatric Research</i> , 2021 , 140, 187-196	5.2	
1	Traces of heavy metals in children toenails as a bio-indicator of environmental exposure in Forlì (Northern Italy): an observational study. <i>Epidemiologia E Prevenzione</i> , 2020 , 44, 210-217	1.1	