Mark Patrick Taylor

List of Publications by Citations

129 papers	3,931 citations	35 h-index	56 g-index
141 ext. papers	4,576 ext. citations	6.5 avg, IF	5.98 L-index

#	Paper	IF	Citations
129	A review on the importance of metals and metalloids in atmospheric dust and aerosol from mining operations. *Science of the Total Environment*, **2012**, 433, 58-73	10.2	303
128	Linking source and effect: resuspended soil lead, air lead, and children's blood lead levels in Detroit, Michigan. *Environmental Science & Technology*, **2013**, 47, 2839-45	10.3	164
127	Can field portable X-ray fluorescence (pXRF) produce high quality data for application in environmental contamination research?. *Environmental Pollution*, **2016**, 214, 255-264	9.3	134
126	Soil Cd, Cu, Pb and Zn contaminants around Mount Isa city, Queensland, Australia: Potential sources and risks to human health. *Applied Geochemistry*, **2010**, 25, 841-855	3.5	117
125	A geomorphological framework for river characterization and habitat assessment. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2001**, 11, 373-389	2.6	113
124	Re-suspension of lead contaminated urban soil as a dominant source of atmospheric lead in Birmingham, Chicago, Detroit and Pittsburgh, USA. *Atmospheric Environment*, **2012**, 49, 302-310	5.3	109
123	Potential for childhood lead poisoning in the inner cities of Australia due to exposure to lead in soil dust. *Environmental Pollution*, **2011**, 159, 1-9	9.3	106
122	Why rehabilitate urban river systems?. *Area*, **2006**, 38, 312-325	1.7	98
121	Identification of environmental lead sources and pathways in a mining and smelting town: Mount Isa, Australia. *Environmental Pollution*, **2013**, 180, 304-11	9.3	87
120	Quantification of class 1 integron abundance in natural environments using real-time quantitative PCR. *FEMS Microbiology Letters*, **2008**, 278, 207-12	2.9	83
119	2000 years of sediment-borne heavy metal storage in the Yorkshire Ouse basin, NE England, UK **1999**, 13, 1087-1102		77
118	Widespread copper and lead contamination of household drinking water, New South Wales, Australia. *Environmental Research*, **2016**, 151, 275-285	7.9	72
117	Environmental arsenic, cadmium and lead dust emissions from metal mine operations: Implications for environmental management, monitoring and human health. *Environmental Research*, **2014**, 135, 296-303	7.9	72
116	Identification of lead sources in residential environments: Sydney Australia. *Environmental Pollution* , **2014**, 184, 238-46	9.3	71
115	Size-resolved dust and aerosol contaminants associated with copper and lead smelting emissions: implications for emission management and human health. *Science of the Total Environment*, **2014**, 493, 750-6	10.2	71
114	Did humid-temperate rivers in the Old and New Worlds respond differently to clearance of riparian vegetation and removal of woody debris?. *Progress in Physical Geography*, **2005**, 29, 27-49	3.5	57
113	Sono-Cathodic Stripping Voltammetry of Lead at a Polished Boron-Doped Diamond Electrode: Application to the Determination of Lead in River Sediment. *Electroanalysis*, **1999**, 11, 1083-1088	3	56

112	Environmental lead exposure risks associated with children's outdoor playgrounds. *Environmental Pollution*, **2013**, 178, 447-54	9.3	55
111	VegeSafe: A community science program measuring soil-metal contamination, evaluating risk and providing advice for safe gardening. *Environmental Pollution*, **2017**, 222, 557-566	9.3	53
110	Heavy metal contamination of an arid river environment: Gruben River, Namibia. *Geomorphology*, **2002**, 42, 311-327	4.3	53
109	Facies evidence of hydroclimatic regime shifts in tufa depositional sequences from the arid Naukluft Mountains, Namibia. *Sedimentary Geology*, **2007**, 195, 39-53	2.8	51
108	The variability of heavy metals in floodplain sediments: A case study from mid Wales. *Catena*, **1996**, 28, 71-87	5.8	51
107	Are current models of tufa sedimentary environments applicable to tropical systems? A case study from the Gregory River. *Sedimentary Geology*, **2003**, 162, 199-218	2.8	47
106	Authenticity and geographic origin of global honeys determined using carbon isotope ratios and trace elements. *Scientific Reports*, **2018**, 8, 14639	4.9	47
105	Identifying Sources of Environmental Contamination in European Honey Bees (Apis mellifera) Using Trace Elements and Lead Isotopic Compositions. *Environmental Science & Technology*, **2018**, 52, 991-1001	10.3	46
104	Identification of the sources of metal (lead) contamination in drinking waters in north-eastern Tasmania using lead isotopic compositions. *Environmental Science and Pollution Research*, **2015**, 22, 12276-88	5.1	43
103	The Global Burden of Lead Toxicity Attributable to Informal Used Lead-Acid Battery Sites. *Annals of Global Health*, **2016**, 82, 686-699	3.3	42
102	Licenced to pollute but not to poison: The ineffectiveness of regulatory authorities at protecting public health from atmospheric arsenic, lead and other contaminants resulting from mining and smelting operations. *Aeolian Research*, **2014**, 14, 35-52	3.9	42
101	Determining the relative importance of soil sample locations to predict risk of child lead exposure. *Environment International*, **2013**, 60, 7-14	12.9	42
100	Factors controlling the chemical evolution of travertine-depositing rivers of the Barkly karst, northern Australia. *Hydrological Processes*, **2002**, 16, 2941-2962	3.3	40
99	Reducing risk and increasing confidence of decision making at a lower cost: In-situ pXRF assessment of metal-contaminated sites. *Environmental Pollution*, **2017**, 229, 780-789	9.3	39
98	The dispersal and storage of sediment-associated metals in an arid river system: the Leichhardt River, Mount Isa, Queensland, Australia. *Environmental Pollution*, **2008**, 152, 193-204	9.3	38
97	Environmental and landscape factors influencing ant and plant diversity in suburban riparian corridors. *Landscape and Urban Planning*, **2011**, 103, 372-382	7.7	37
96	Assessment of soil metal concentrations in residential and community vegetable gardens in Melbourne, Australia. *Chemosphere*, **2018**, 199, 303-311	8.4	36
95	An environmental model of fluvial tufas in the monsoonal tropics, Barkly karst, northern Australia. *Geomorphology*, **2006**, 73, 78-100	4.3	36

94	Human exposure and risk associated with trace element concentrations in indoor dust from Australian homes. *Environment International*, **2019**, 133, 105125	12.9	34
93	Lead isotopic compositions of ash sourced from Australian bushfires. *Environmental Pollution*, **2014**, 190, 159-65	9.3	33
92	The spatial distribution of heavy metal contaminated sediment across terraced floodplains. *Catena*, **1997**, 30, 229-249	5.8	33
91	Environmental contamination in an Australian mining community and potential influences on early childhood health and behavioural outcomes. *Environmental Pollution*, **2015**, 207, 345-56	9.3	32
90	The formation and environmental significance of calcite rafts in tropical tufa-depositing rivers of northern Australia. *Sedimentology*, **2004**, 51, 1089-1101	3.3	32
89	Are River Styles ecologically meaningful? A test of the ecological significance of a geomorphic river characterization scheme. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2004**, 14, 25-48	2.6	31
88	Estimates of potential childhood lead exposure from contaminated soil using the US EPA IEUBK Model in Sydney, Australia. *Environmental Research*, **2017**, 156, 781-790	7.9	30
87	Channel Flow Cell Studies of the Inhibiting Action of Gypsum on the Dissolution Kinetics of Calcite: A Laboratory Approach with Implications for Field Monitoring. *Journal of Colloid and Interface Science*, **2001**, 236, 354-361	9.3	30
86	Prevalence of childhood lead poisoning and respiratory disease associated with lead smelter emissions. *Environment International*, **2019**, 127, 340-352	12.9	29
85	Anthropogenic contamination of residential environments from smelter As, Cu and Pb emissions: Implications for human health. *Environmental Pollution*, **2020**, 262, 114235	9.3	29
84	Lessons learned on lead poisoning in children: one-hundred years on from Turner℞ declaration. *Journal of Paediatrics and Child Health*, **2011**, 47, 849-56	1.3	29
83	Sediment load and floodplain deposition rates: Comparison of the Fly and Strickland rivers, Papua New Guinea. *Journal of Geophysical Research*, **2008**, 113,		28
82	Hygroscopic Properties and Respiratory System Deposition Behavior of Particulate Matter Emitted By Mining and Smelting Operations. *Environmental Science & Technology*, **2016**, 50, 11706-11713	10.3	28
81	Soiling and decay of N.M.E.P. limestone tablets. *Science of the Total Environment*, **2002**, 292, 215-29	10.2	27
80	Quantification and exposure assessment of microplastics in Australian indoor house dust. *Environmental Pollution*, **2021**, 283, 117064	9.3	27
79	Geochemical sources, forms and phases of soil contamination in an industrial city. *Science of the Total Environment*, **2017**, 584-585, 505-514	10.2	26
78	An odyssey of environmental pollution: The rise, fall and remobilisation of industrial lead in Australia. *Applied Geochemistry*, **2017**, 83, 3-13	3.5	26
77	The relationship between atmospheric lead emissions and aggressive crime: an ecological study. *Environmental Health*, **2016**, 15, 23	6	25

76	Distribution and storage of sediment-associated heavy metals downstream of the remediated Rum Jungle Mine on the East Branch of the Finniss River, Northern Territory, Australia. *Journal of Geochemical Exploration*, **2007**, 92, 55-72	3.8	25
75	Holocene alluvial sedimentation and valley floor development: the River Swale, Catterick, North Yorkshire, UK. *Proceedings of the Yorkshire Geological Society*, **1997**, 51, 317-327	0.8	25
74	River sedimentation and fluvial response to Holocene environmental change in the Yorkshire Ouse Basin, northern England. *Holocene*, **2000**, 10, 201-212	2.6	24
73	River behaviour and Holocene alluviation: The River Severn at Welshpool, mid-Wales, U.K.. *Earth Surface Processes and Landforms*, **1996**, 21, 77-91	3.7	24
72	Tracing changes in atmospheric sources of lead contamination using lead isotopic compositions in Australian red wine. *Chemosphere*, **2016**, 154, 40-47	8.4	22
71	AustraliaR3 leading public health body delays action on the revision of the public health goal for blood lead exposures. *Environment International*, **2014**, 70, 113-7	12.9	21
70	The nature and distribution of Cu, Zn, Hg, and Pb in urban soils of a regional city: Lithgow, Australia. *Applied Geochemistry*, **2013**, 36, 83-91	3.5	21
69	Larval caddis-fly nets and retreats: a unique biosedimentary paleocurrent indicator for fossil tufa deposits. *Sedimentary Geology*, **2003**, 161, 207-215	2.8	21
68	Unravelling a R miner R3 mythR that environmental contamination in mining towns is naturally occurring. *Environmental Geochemistry and Health*, **2016**, 38, 1015-27	4.7	20
67	Australian atmospheric lead deposition reconstructed using lead concentrations and isotopic compositions of archival lichen and fungi. *Environmental Pollution*, **2016**, 208, 678-87	9.3	20
66	The public minimization of the risks associated with environmental lead exposure and elevated blood lead levels in children, Mount Isa, Queensland, Australia. *Archives of Environmental and Occupational Health*, **2010**, 65, 45-8	2	20
65	Atmospherically deposited trace metals from bulk mineral concentrate port operations. *Science of the Total Environment*, **2015**, 515-516, 143-52	10.2	19
64	Non-synchronous response of adjacent floodplain systems to Holocene environmental change. *Geomorphology*, **1997**, 18, 251-264	4.3	19
63	When is a River not a River? Consideration of the legal definition of a river for geomorphologists practising in New South Wales, Australia. *Australian Geographer*, **2005**, 36, 183-200	2.1	19
62	Lead and zinc dust depositions from ore trains characterised using lead isotopic compositions. *Environmental Sciences: Processes and Impacts*, **2015**, 17, 631-7	4.3	18
61	Improving human health outcomes with a low-cost intervention to reduce exposures from lead acid battery recycling: Dong Mai, Vietnam. *Environmental Research*, **2018**, 161, 181-187	7.9	18
60	Reducing mortality risk by targeting specific air pollution sources: Suva, Fiji. *Science of the Total Environment*, **2018**, 612, 450-461	10.2	17
59	Eliminating childhood lead toxicity in Australia: a call to lower the intervention level. *Medical Journal of Australia*, **2012**, 197, 493	4	17

58	Blood lead levels in low-income and middle-income countries: a systematic review. *Lancet Planetary Health, The*, **2021**, 5, e145-e153	9.8	17
57	A citizen science approach to identifying trace metal contamination risks in urban gardens. *Environment International*, **2021**, 155, 106582	12.9	17
56	Remobilisation of industrial lead depositions in ash during Australian wildfires. *Science of the Total Environment*, **2017**, 599-600, 1233-1240	10.2	16
55	Tracing natural and industrial contamination and lead isotopic compositions in an Australian native bee species. *Environmental Pollution*, **2018**, 242, 54-62	9.3	15
54	Mining and urban impacts on semi-arid freshwater aquatic systems: the example of Mount Isa, Queensland. *Journal of Environmental Monitoring*, **2009**, 11, 977-86		14
53	The effect of contemporary mine emissions on children's blood lead levels. *Environment International*, **2019**, 122, 91-103	12.9	14
52	Sublethal toxicity of untreated and treated stormwater Zn concentrations on the foraging behaviour of Paratya australiensis (Decapoda: Atyidae). *Ecotoxicology*, **2014**, 23, 1022-9	2.9	13
51	PM 2.5 and aerosol black carbon in Suva, Fiji. *Atmospheric Environment*, **2017**, 150, 55-66	5.3	12
50	The relevance of particle size distribution and bioaccessibility on human health risk assessment for trace elements measured in indoor dust. *Science of the Total Environment*, **2020**, 733, 137931	10.2	12
49	Insights into past atmospheric lead emissions using lead concentrations and isotopic compositions in historic lichens and fungi (1852–2008) from central and southern Victoria, Australia. *Atmospheric Environment*, **2016**, 139, 46-55	5.3	12
48	Evaluation and assessment of the efficacy of an abatement strategy in a former lead smelter community, Boolaroo, Australia. *Environmental Geochemistry and Health*, **2016**, 38, 941-54	4.7	12
47	Signs of adaptation to trace metal contamination in a common urban bird. *Science of the Total Environment*, **2019**, 650, 679-686	10.2	12
46	A meta-analysis of blood lead levels in India and the attributable burden of disease. *Environment International*, **2018**, 121, 461-470	12.9	12
45	Applying geochemical signatures of atmospheric dust to distinguish current mine emissions from legacy sources. *Atmospheric Environment*, **2017**, 161, 82-89	5.3	11
44	Holocene environmental change in the Yorkshire Ouse basin and its influence on river dynamics and sediment fluxes to the coastal zone. *Geological Society Special Publication*, **2000**, 166, 87-96	1.7	11
43	Assessment of the prevalence of lead-based paint exposure risk in Jakarta, Indonesia. *Science of the Total Environment*, **2019**, 657, 1382-1388	10.2	11
42	A 25-year record of childhood blood lead exposure and its relationship to environmental sources. *Environmental Research*, **2020**, 186, 109357	7.9	10
41	The influence of riparian corridor width on ant and plant assemblages in northern Sydney, Australia. *Urban Ecosystems*, **2011**, 14, 1-16	2.8	10

40	Effect of catchment urbanization on ant diversity in remnant riparian corridors. *Landscape and Urban Planning*, **2013**, 110, 155-163	7.7	9
39	Environmental impact of a major copper mine spill on a river and floodplain system. *Anthropocene*, **2013**, 3, 36-50	3.9	9
38	Fields and forests in flames: lead and mercury emissions from wildfire pyrogenic activity. *Environmental Health Perspectives*, **2012**, 120, a56-7	8.4	9
37	Atmospheric remobilization of natural and anthropogenic contaminants during wildfires. *Environmental Pollution*, **2020**, 267, 115400	9.3	9
36	Evaluating the efficacy of playground washing to reduce environmental metal exposures. *Environmental Pollution*, **2015**, 202, 112-9	9.3	8
35	Trace element contamination of soil and dust by a New Caledonian ferronickel smelter: Dispersal, enrichment, and human health risk. *Environmental Pollution*, **2021**, 288, 117593	9.3	8
34	Floodwater metal contaminants in an Australian dryland river: a baseline for assessing change downstream of a major lead-zinc-silver and copper mine. *Journal of Environmental Quality*, **2013**, 42, 474-83	2.4	7
33	Air quality management in the Pacific Islands: A review of past performance and implications for future directions. *Environmental Science and Policy*, **2018**, 84, 26-33	6.2	6
32	Estimates of potential childhood lead exposure from contaminated soil using the USEPA IEUBK model in Melbourne, Australia. *Environmental Geochemistry and Health*, **2018**, 40, 2785-2793	4.7	6
31	Omissions about the sources of contaminant emissions and depositions A reply to comments on Taylor, M.P., Davies, P.J., Kristensen, L.J., Csavina, J., 2014. Licenced to pollute but not to poison: The ineffectiveness of regulatory authorities at protecting public health from atmospheric arsenic, lead and other contaminants resulting from mining and smelting operations. Aeolian Research 14,	3.9	6
30	Atmospheric sources of anthropogenic and geogenic trace metals in Australian lichen and fungi. *Anthropocene*, **2021**, 33, 100279	3.9	5
29	Airborne ultrafine particles in a Pacific Island country: Characteristics, sources and implications for human exposure. *Environmental Pollution*, **2017**, 231, 367-378	9.3	4
28	Cost Effectiveness of Environmental Lead Risk Mitigation in Low- and Middle-Income Countries. *GeoHealth*, **2018**, 2, 87-101	5	4
27	Troubled waters-an examination of the disconnect between river science and law. *Environmental Science & Technology*, **2011**, 45, 8178-9	10.3	4
26	Assessment of the Presence of Soil Lead Contamination Near a Former Lead Smelter in Mombasa, Kenya. *Journal of Health and Pollution*, **2019**, 9, 190307	2.6	4
25	Riverbanks and the law: The arbitrary nature of river boundaries in New South Wales, Australia. *The Environmentalist*, **2007**, 27, 131-142		3
24	Delineating the spatial extent of smelter-related atmospheric fallout using a rapid assessment technique. *Applied Geochemistry*, **2018**, 96, 35-41	3.5	3
23	Data for modelling vegetable uptake of trace metals in soil for the program. *Data in Brief*, **2021**, 37, 107151	1.51	3

22	International Analysis of Sources and Human Health Risk Associated with Trace Metal Contaminants in Residential Indoor Dust.. *Environmental Science & Technology*, **2021**,	10.3	3
21	Widespread Environmental Contamination Hazards in Agricultural Soils from the Use of Lead Joints in Above Ground Large-Scale Water Supply Pipelines. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	2
20	A review of environmental lead exposure and management in Mount Isa, Queensland. *Reviews on Environmental Health*, **2015**, 30, 183-9	3.8	2
19	On-site teaching with XRF and XRD: training the next generation of analytical X-ray professionals. *Powder Diffraction*, **2014**, 29, S8-S14	1.8	2
18	Eliminating childhood lead toxicity in Australia: a call to lower the intervention level. In reply. *Medical Journal of Australia*, **2013**, 199, 323-4	4	2
17	Water and sediment quality of dry season pools in a dryland river system: the upper Leichhardt River, Queensland, Australia. *Journal of Environmental Monitoring*, **2011**, 13, 2050-61		2
16	A study of Holocene floodplain particle size characteristics with special reference to palaeochannel infills from the upper Severn basin, Wales, UK. *Geological Journal*, **2001**, 36, 143-157	1.7	2
15	A New Technique to Evaluate and Quantify Modified Solution Kinetics of Calcareous Materials After Sulphuric Acid Pre-Treatment and Urban Exposure. *Studies in Conservation*, **2002**, 47, 88-94	0.6	2
14	Reply to GulsonR's comments on RTracing changes in atmospheric sources of lead contamination using lead isotopic compositions in Australian red wineR. *Chemosphere*, **2016**, 165, 579-584	8.4	2
13	VegeSafe: a community science program generating a national residential garden soil metal(loid) database. *Environmental Science and Pollution Research*, **2018**, 25, 33745-33754	5.1	2
12	Chemical, biological, and DNA markers for tracing slaughterhouse effluent. *Environmental Research*, **2017**, 156, 534-541	7.9	1
11	Comments on manuscript--Zheng, J., Huynh, T., Gasparon, M., Ng, J. and Noller, B., 2013. Human health risk assessment of lead from mining activities at semi-arid locations in the context of total lead exposure. Environmental Science and Pollution Research, 20, 8404-8416. *Environmental Science and Pollution Research*, **2015**, 22, 19307-12	5.1	1
10	The Drivers of Immigration in Contemporary Society: Unequal Distribution of Resources and Opportunities. *Human Ecology*, **2007**, 35, 775-776	2	1
9	Spatial distribution and composition of mine dispersed trace metals in residential soil and house dust: Implications for exposure assessment and human health. *Environmental Pollution*, **2021**, 293, 118462	9.3	1
8	Radiocarbon determination of fossil and contemporary carbon contribution to aerosol in the Pacific Islands. *Science of the Total Environment*, **2018**, 643, 183-192	10.2	1
7	Novel Application of Machine Learning Algorithms and Model-Agnostic Methods to Identify Factors Influencing Childhood Blood Lead Levels. *Environmental Science & Technology*, **2021**, 55, 13387-13399	10.3	1
6	Further analysis of the relationship between atmospheric lead emissions and aggressive crime: an ecological study. *Environmental Health*, **2018**, 17, 10	6	0
5	Bringing citizen science to life: Evaluation of a national citizen science program for public benefit. *Environmental Science and Policy*, **2022**, 134, 23-33	6.2	0

4	Reply to comments on "Identification of lead sources in residential environments: Sydney Australia" by Laidlaw et al. (2014). *Environmental Pollution*, **2014**, 192, 216-9; discussion 220-1	9.3
3	Sydney's Water Woes. *Australasian Journal of Environmental Management*, **2006**, 13, 138-141	2
2	SHORT REPORTS. *Australasian Journal of Environmental Management*, **2006**, 13, 138-145	2
1	Heavy Metal: An Interactive Environmental Art Installation. *Leonardo Music Journal*, **2018**, 28, 8-12	0.1