Liam Morrison

List of Publications by Year
in descending order

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68 papers	3,142 citations	159585 30 h-index	161849 54 g-index
69 all docs	69 docs citations	69 times ranked	3979 citing authors

#	Article	IF	Citations
1	Microplastics in Sewage Sludge: Effects of Treatment. Environmental Science & Technology, 2017, 51, 810-818.	10.0	687
2	Sustainable harvesting of wild seaweed resources. European Journal of Phycology, 2017, 52, 371-390.	2.0	136
3	Simultaneous nitrate and phosphate removal from wastewater lacking organic matter through microbial oxidation of pyrrhotite coupled to nitrate reduction. Water Research, 2016, 96, 32-41.	11.3	112
4	The role of wet wipes and sanitary towels as a source of white microplastic fibres in the marine environment. Water Research, 2020, 182, 116021.	11.3	99
5	Synergism and effect of high initial volatile fatty acid concentrations during food waste and pig manure anaerobic co-digestion. Waste Management, 2016, 56, 173-180.	7.4	98
6	Frequency of Microplastics in Mesopelagic Fishes from the Northwest Atlantic. Frontiers in Marine Science, 2018, 5, .	2.5	95
7	Nanostructured pyrrhotite supports autotrophic denitrification for simultaneous nitrogen and phosphorus removal from secondary effluents. Chemical Engineering Journal, 2017, 328, 511-518.	12.7	93
8	Nutrient recovery from pig manure digestate using electrodialysis reversal: Membrane fouling and feasibility of long-term operation. Journal of Membrane Science, 2019, 573, 560-569.	8.2	92
9	AlgaeBase: An On-line Resource for Algae. Cryptogamie, Algologie, 2014, 35, 105-115.	0.9	82
10	Zinc concentrations in marine macroalgae and a lichen from western Ireland in relation to phylogenetic grouping, habitat and morphology. Marine Pollution Bulletin, 2004, 48, 902-909.	5.0	70
11	Biokinetics of microbial consortia using biogenic sulfur as a novel electron donor for sustainable denitrification. Bioresource Technology, 2018, 270, 359-367.	9.6	63
12	Nutrient, metal and microbial loss in surface runoff following treated sludge and dairy cattle slurry application to an Irish grassland soil. Science of the Total Environment, 2016, 541, 218-229.	8.0	59
13	Nutrient removal through pyrrhotite autotrophic denitrification: Implications for eutrophication control. Science of the Total Environment, 2019, 662, 287-296.	8.0	59
14	Arsenic contamination of drinking water in Ireland: A spatial analysis of occurrence and potential risk. Science of the Total Environment, 2017, 579, 1863-1875.	8.0	57
15	Oxidative Stress Induced by Pt(IV) Pro-drugs Based on the Cisplatin Scaffold and Indole Carboxylic Acids in Axial Position. Scientific Reports, 2016, 6, 29367.	3.3	56
16	Dredged marine sediments stabilized/solidified with cement and GGBS: Factors affecting mechanical behaviour and leachability. Science of the Total Environment, 2020, 733, 138551.	8.0	55
17	Metal concentrations in lime stabilised, thermally dried and anaerobically digested sewage sludges. Waste Management, 2016, 48, 404-408.	7.4	52
18	Metal content of kelp (Laminaria digitata) co-cultivated with Atlantic salmon in an Integrated Multi-Trophic Aquaculture system. Aquaculture, 2016, 450, 234-243.	3.5	51

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19	Antimicrobial compounds (triclosan and triclocarban) in sewage sludges, and their presence in runoff following land application. Ecotoxicology and Environmental Safety, 2017, 142, 448-453.	6.0	51
20	A concise review of the brown macroalga Ascophyllum nodosum (Linnaeus) Le Jolis. Journal of Applied Phycology, 2020, 32, 3561-3584.	2.8	51
21	Assessment and Characterisation of Ireland's Green Tides (Ulva Species). PLoS ONE, 2017, 12, e0169049.	2.5	51
22	Spatial variation of urban soil geochemistry in a roadside sports ground in Galway, Ireland. Science of the Total Environment, 2010, 408, 1076-1084.	8.0	50
23	Spatial distribution of potentially bioavailable metals in surface soils of a contaminated sports ground in Galway, Ireland. Environmental Geochemistry and Health, 2013, 35, 227-238.	3.4	44
24	Influences of traffic on Pb, Cu and Zn concentrations in roadside soils of an urban park in Dublin, Ireland. Environmental Geochemistry and Health, 2014, 36, 333-343.	3.4	43
25	Bioaccumulation of metals in ryegrass (Lolium perenne L.) following the application of lime stabilised, thermally dried and anaerobically digested sewage sludge. Ecotoxicology and Environmental Safety, 2016, 130, 303-309.	6.0	43
26	Intertidal seagrass in Ireland: Pressures, WFD status and an assessment of trace element contamination in intertidal habitats using Zostera noltei. Ecological Indicators, 2017, 82, 117-130.	6.3	39
27	Antitumor platinum(IV) derivatives of carboplatin and the histone deacetylase inhibitor 4-phenylbutyric acid. Journal of Inorganic Biochemistry, 2017, 177, 1-7.	3.5	38
28	Phosphorus removal from wastewater using natural pyrrhotite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 427, 13-18.	4.7	35
29	Assessment of the long-term leaching characteristics of cement-slag stabilized/solidified contaminated sediment. Chemosphere, 2021, 267, 128926.	8.2	34
30	An assessment of metal contamination along the Irish coast using the seaweed Ascophyllum nodosum (Fucales, Phaeophyceae). Environmental Pollution, 2008, 152, 293-303.	7.5	33
31	The sustainable harvesting of Ascophyllum nodosum (Fucaceae, Phaeophyceae) in Ireland, with notes on the collection and use of some other brown algae. Journal of Applied Phycology, 2013, 25, 1823-1830.	2.8	33
32	Seaweed attachment to bedrock: biophysical evidence for a new geophycology paradigm. Geobiology, 2009, 7, 477-487.	2.4	32
33	Trace element fingerprinting of blue mussel (Mytilus edulis) shells and soft tissues successfully reveals harvesting locations. Science of the Total Environment, 2019, 685, 50-58.	8.0	32
34	Converting evergreen broad-leaved forests into tea and Moso bamboo plantations affects labile carbon pools and the chemical composition of soil organic carbon. Science of the Total Environment, 2020, 711, 135225.	8.0	32
35	The chemistry of stalked barnacle adhesive (Lepas anatifera). Interface Focus, 2015, 5, 20140062.	3.0	30
36	The seaweed resources of Ireland: a twenty-first century perspective. Journal of Applied Phycology, 2020, 32, 1287-1300.	2.8	30

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37	Talitrus saltator as a biomonitor: An assessment of trace element contamination on an urban coastline gradient. Marine Pollution Bulletin, 2017, 120, 232-238.	5.0	29
38	Quantification and feed to food transfer of total and inorganic arsenic from a commercial seaweed feed. Environment International, 2018, 118, 314-324.	10.0	29
39	The role of oceanographic processes and sedimentological settings on the deposition of microplastics in marine sediment: Icelandic waters. Marine Pollution Bulletin, 2021, 164, 111976.	5.0	27
40	Spatial and temporal variability of biomass and composition of green tides in Ireland. Harmful Algae, 2019, 81, 94-105.	4.8	25
41	Ptaquiloside in Irish Bracken Ferns and Receiving Waters, with Implications for Land Managers. Molecules, 2016, 21, 543.	3.8	22
42	Spatio-temporal trace element fingerprinting of king scallops (Pecten maximus) reveals harvesting period and location. Science of the Total Environment, 2019, 697, 134121.	8.0	20
43	Trace elemental fingerprinting of shells and soft tissues can identify the time of blue mussel (Mytilus) Tj ETQq1 1 0.784314 rgBT /Ove	5.5	20
44	A 7000-year record of environmental change, including early farming impact, based on lake-sediment geochemistry and pollen data from County Sligo, western Ireland. Quaternary Research, 2014, 81, 35-49.	1.7	19
45	Distribution and abundance of microplastics in coastal sediments depends on grain size and distance from sources. Marine Pollution Bulletin, 2021, 172, 112802.	5.0	19
46	Spatial patterns of metal contamination and magnetic susceptibility of soils at an urban bonfire site. Applied Geochemistry, 2015, 52, 86-96.	3.0	16
47	Biomass and nutrient dynamics of major green tides in Ireland: Implications for biomonitoring. Marine Pollution Bulletin, 2022, 175, 113318.	5.0	16
48	Bonfires as a potential source of metal pollutants in urban soils, Galway, Ireland. Applied Geochemistry, 2012, 27, 930-935.	3.0	15
49	The arrival of a red invasive seaweed to a nutrient over-enriched estuary increases the spatial extent of macroalgal blooms. Marine Environmental Research, 2020, 158, 104944.	2.5	15
50	Assessing metal contamination from construction and demolition (C&D) waste used to infill wetlands: using Deroceras reticulatum (Mollusca: Gastropoda). Environmental Sciences: Processes and Impacts, 2014, 16, 2477-2487.	3.5	14
51	Changes in the fractionation profile of Al, Ni, and Mo during bioleaching of spent hydroprocessing catalysts with Acidithiobacillus ferrooxidans. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 1006-1014.	1.7	14
52	Mapping Spatial Distribution and Biomass of Intertidal Ulva Blooms Using Machine Learning and Earth Observation. Frontiers in Marine Science, 2021, 8, .	2.5	14
53	Pt(IV) pro-drugs with an axial HDAC inhibitor demonstrate multimodal mechanisms involving DNA damage and apoptosis independent of cisplatin resistance in A2780/A2780cis cells. Journal of Inorganic Biochemistry, 2020, 210, 111125.	3.5	13
54	Bioaccumulation of metals in juvenile rainbow trout (oncorhynchus mykiss) via dietary exposure to blue mussels. Chemosphere, 2017, 188, 548-556.	8.2	11

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55	Activated charcoal as a capture material for silver nanoparticles in environmental water samples. Science of the Total Environment, 2018, 645, 356-362.	8.0	11
56	Arsenic speciation in a variety of seaweeds and associated food products. Comprehensive Analytical Chemistry, 2019, 85, 267-310.	1.3	11
57	Use of ordinary cokriging with magnetic susceptibility for mapping lead concentrations in soils of an urban contaminated site. Journal of Soils and Sediments, 2020, 20, 1357-1370.	3.0	8
58	Assessment of groundwater processes using censored data analysis incorporating non-detect chemical, physical, and biological data. Journal of Contaminant Hydrology, 2020, 235, 103706.	3.3	8
59	An assessment of potential pesticide transmission, considering the combined impact of soil texture and pesticide properties: A metaâ€analysis. Soil Use and Management, 2022, 38, 1162-1171.	4.9	8
60	Mapping arsenopyrite alteration in a quartz vein-hosted gold deposit using microbeam analytical techniques. Mineralogical Magazine, 2016, 80, 739-748.	1.4	7
61	Gold(I) Complexes with a Quinazoline Carboxamide Alkynyl Ligand: Synthesis, Cytotoxicity, and Mechanistic Studies. European Journal of Inorganic Chemistry, 2021, 2021, 1921-1928.	2.0	7
62	Tracing sources of natural organic matter, trihalomethanes and metals in groundwater from a karst region. Environmental Science and Pollution Research, 2020, 27, 12587-12600.	5.3	7
63	Impact of grass cover on the magnetic susceptibility measurements for assessing metal contamination in urban topsoil. Environmental Research, 2017, 155, 294-306.	7.5	6
64	Arsenic in Groundwater in South West Ireland: Occurrence, Controls, and Hydrochemistry. Frontiers in Environmental Science, 2018, 6, .	3.3	6
65	Asâ€“Coâ€“Ni sulfarsenides in Palaeogene basaltic cone sheets as sources of groundwater arsenic contamination in co. Louth, Ireland. Applied Geochemistry, 2021, 127, 104914.	3.0	3
66	Occurrence, Geochemistry and Speciation of Elevated Arsenic Concentrations in a Fractured Bedrock Aquifer System. Archives of Environmental Contamination and Toxicology, 2021, 81, 414-437.	4.1	3
67	Arsenic speciation in seaweeds using liquid chromatography hydride generation atomic fluorescence spectrometry (HPLC-HG-AFS). Arsenic in the Environment Proceedings, 2014, , 185-186.	0.0	1
68	National assessment of arsenic within groundwater: A case study with Ireland. Arsenic in the Environment Proceedings, 2016, , 33-34.	0.0	1