

# Gregory M Morrison

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

4,791  
citations

109321

35  
h-index

98798

67  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive sampling techniques for monitoring pollutants in water. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 845-868.	11.4	681
2	Development of a novel passive sampling system for the time-averaged measurement of a range of organic pollutants in aquatic environments. <i>Journal of Environmental Monitoring</i> , 2000, 2, 487-495.	2.1	220
3	Environmental routes for platinum group elements to biological materials—a review. <i>Science of the Total Environment</i> , 2004, 334-335, 21-38.	8.0	193
4	A life cycle assessment based procedure for development of environmental sustainability indicators for urban water systems. <i>Urban Water</i> , 2002, 4, 145-152.	0.5	180
5	Bioaccumulation of palladium, platinum and rhodium from urban particulates and sediments by the freshwater isopod <i>Asellus aquaticus</i> . <i>Water Research</i> , 2001, 35, 4175-4183.	11.3	169
6	Importance of Automobile Exhaust Catalyst Emissions for the Deposition of Platinum, Palladium, and Rhodium in the Northern Hemisphere. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8156-8162.	10.0	140
7	Heterogeneity of Platinum Group Metals in Airborne Particles. <i>Environmental Science &amp; Technology</i> , 2001, 35, 595-599.	10.0	135
8	Strategies for Applying the Circular Economy to Prefabricated Buildings. <i>Buildings</i> , 2018, 8, 125.	3.1	125
9	Agent-based modelling and socio-technical energy transitions: A systematic literature review. <i>Energy Research and Social Science</i> , 2019, 49, 41-52.	6.4	125
10	Exploring environmental benefits of reuse and recycle practices: A circular economy case study of a modular building. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104855.	10.8	113
11	Determination of platinum in blood by adsorptive voltammetry. <i>Analytical Chemistry</i> , 1990, 62, 1637-1640.	6.5	106
12	Critical assessment of platinum group element determination in road and urban river sediments using ultrasonic nebulisation and high resolution ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 329-334.	3.0	102
13	Platinum uptake by the freshwater isopod <i>Asellus Aquaticus</i> in urban rivers. <i>Science of the Total Environment</i> , 1999, 235, 261-268.	8.0	101
14	Determination of trace element speciation and the role of speciation in aquatic toxicity. <i>Science of the Total Environment</i> , 1992, 125, 1-13.	8.0	89
15	Determination of palladium, platinum and rhodium concentrations in urban road sediments by laser ablation-ICP-MS. <i>Analytica Chimica Acta</i> , 2001, 436, 233-244.	5.4	89
16	Platinum in road dusts and urban river sediments. <i>Science of the Total Environment</i> , 1994, 146-147, 169-174.	8.0	88
17	Environmental Relevance of the Platinum-Group Elements. <i>Elements</i> , 2008, 4, 259-263.	0.5	84
18	Platinum analysis and speciation in urban gullypots. <i>Analytica Chimica Acta</i> , 1994, 284, 587-592.	5.4	79

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19	Platinum group elements in raptor eggs, faeces, blood, liver and kidney. <i>Science of the Total Environment</i> , 2004, 334-335, 149-159.	8.0	78
20	Characteristics of arsenic adsorption to sorghum biomass. <i>Journal of Hazardous Materials</i> , 2007, 145, 30-35.	12.4	78
21	Is peer-to-peer electricity trading empowering users? Evidence on motivations and roles in a prosumer business model trial in Australia. <i>Energy Research and Social Science</i> , 2020, 66, 101500.	6.4	76
22	Ecological Urban Planning and Design: A Systematic Literature Review. <i>Sustainability</i> , 2019, 11, 3723.	3.2	74
23	Elemental Association and Fingerprinting of Traffic-Related Metals in Road Sediments. <i>Environmental Science &amp; Technology</i> , 2000, 34, 3119-3123.	10.0	71
24	Iron-modified light expanded clay aggregates for the removal of arsenic(V) from groundwater. <i>Microchemical Journal</i> , 2008, 88, 7-13.	4.5	69
25	Scanning laser ablation-ICP-MS tracking of platinum group elements in urban particles. <i>Science of the Total Environment</i> , 2002, 286, 243-251.	8.0	67
26	Platinum Group Element Concentrations and Osmium Isotopic Composition in Urban Airborne Particles from Boston, Massachusetts. <i>Environmental Science &amp; Technology</i> , 2005, 39, 9464-9470.	10.0	66
27	Investigating the embodied energy and carbon of buildings: A systematic literature review and meta-analysis of life cycle assessments. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110935.	16.4	64
28	Performance optimisation of a passive sampler for monitoring hydrophobic organic pollutants in water. <i>Journal of Environmental Monitoring</i> , 2005, 7, 612.	2.1	63
29	Determination of copper speciation in freshwater samples through SPE-spectrophotometry. <i>Analytica Chimica Acta</i> , 1997, 343, 259-266.	5.4	50
30	Diffusional behaviour of metals in a passive sampling system for monitoring aquatic pollution. <i>Journal of Environmental Monitoring</i> , 2001, 3, 639-645.	2.1	50
31	Platinum Group Elements in the Feathers of Raptors and Their Prey. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 42, 338-347.	4.1	50
32	Design for disassembly, deconstruction and resilience: A circular economy index for the built environment. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105847.	10.8	44
33	Impact of automobile emissions on the levels of platinum and lead in Accra, Ghana. <i>Journal of Environmental Monitoring</i> , 2003, 5, 91-95.	2.1	41
34	Impact of ageing on the distribution of platinum group elements and catalyst poisoning elements in automobile catalysts. <i>Surface and Interface Analysis</i> , 2003, 35, 354-359.	1.8	38
35	Chapter 9 Monitoring of priority pollutants in water using chemcatcher passive sampling devices. <i>Comprehensive Analytical Chemistry</i> , 2007, 48, 199-229.	1.3	37
36	Smart technology needs smarter management: Disentangling the dynamics of digitalism in the governance of shared solar energy in Australia. <i>Energy Research and Social Science</i> , 2020, 60, 101322.	6.4	37

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37	Performance of a shared solar and battery storage system in an Australian apartment building. <i>Energy and Buildings</i> , 2020, 225, 110321.	6.7	37
38	Circular Economy and Virtual Reality in Advanced BIM-Based Prefabricated Construction. <i>Energies</i> , 2021, 14, 4065.	3.1	35
39	The effects of complexing agents and surfactants on the deposition and stripping processes in differential pulse anodic stripping voltammetry of metals at the hanging mercury drop electrode. <i>Electroanalysis</i> , 1990, 2, 9-14.	2.9	31
40	Contact toxicity of metals in sewage sludge: evaluation of alternatives to sodium chloride in the microtox <sup>®</sup> assay. <i>Environmental Toxicology and Chemistry</i> , 1995, 14, 17-22.	4.3	31
41	Ammonia Removal Processes for Urine in an Upflow Macrophyte System. <i>Environmental Science &amp; Technology</i> , 1997, 31, 3314-3317.	10.0	31
42	Transport mechanisms and processes for metal species in a gullypot system. <i>Water Research</i> , 1988, 22, 1417-1427.	11.3	30
43	Fractionation and toxicity of metals in sewage sludge. <i>Environmental Technology (United Kingdom)</i> , 1992, 13, 751-759.	2.2	30
44	Performance of an in situ passive sampling system for metals in stormwater. <i>Journal of Environmental Monitoring</i> , 2002, 4, 258-262.	2.1	28
45	The influence of design and everyday practices on individual heating and cooling behaviour in residential homes. <i>Energy Efficiency</i> , 2018, 11, 273-293.	2.8	28
46	A systematic review and meta-analysis of building automation systems. <i>Building and Environment</i> , 2021, 195, 107770.	6.9	28
47	Electrochemical speciation analysis of metals at membrane-coated electrodes. <i>Electroanalysis</i> , 1989, 1, 485-491.	2.9	27
48	The home as a system of practice and its implications for energy and water metabolism. <i>Sustainable Production and Consumption</i> , 2018, 13, 48-59.	11.0	27
49	Comparison of physicochemical speciation procedures with metal toxicity to <i>Chlorella pyrenoidosa</i> . Copper complexation capacity. <i>Electroanalysis</i> , 1989, 1, 107-112.	2.9	25
50	Analysis of the transition effects of building codes and regulations on the emergence of a low carbon residential building sector. <i>Energy and Buildings</i> , 2017, 156, 40-50.	6.7	24
51	Toxicity of Copper in the Presence of Organic Substances in Sewage Sludge. <i>Environmental Technology (United Kingdom)</i> , 1995, 16, 243-251.	2.2	22
52	Replacement predictions for drinking water networks through historical data. <i>Water Research</i> , 2012, 46, 2149-2158.	11.3	22
53	Comparison of physicochemical speciation procedures with metal toxicity to <i>Chlorella pyrenoidosa</i> . <i>Analytica Chimica Acta</i> , 1988, 209, 97-109.	5.4	20
54	Sources and storm loading variations of metal species in a gullypot catchment. <i>Science of the Total Environment</i> , 1989, 80, 267-278.	8.0	19

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55	Metal diffusion properties of a Nafion-coated porous membrane in an aquatic passive sampler system. <i>Journal of Environmental Monitoring</i> , 2003, 5, 404-409.	2.1	19
56	Use of hydride generation-atomic absorption spectrometry to determine the effects of hard ions, iron salts and humic substances on arsenic sorption to sorghum biomass. <i>Microchemical Journal</i> , 2005, 81, 57-60.	4.5	19
57	Performance of a passive sampler for the determination of time averaged concentrations of nitrate and phosphate in water. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 955.	3.5	17
58	Influencing energy and water use within a home system of practice. <i>Energy and Buildings</i> , 2018, 158, 848-860.	6.7	17
59	Understanding Resource Consumption in the Home, Community and Society through Behaviour and Social Practice Theories. <i>Sustainability</i> , 2019, 11, 6513.	3.2	17
60	The potential contribution of building codes to climate change response policies for the built environment. <i>Energy Efficiency</i> , 2020, 13, 789-807.	2.8	16
61	Changes to household practices pre- and post-occupancy in an Australian low-carbon development. <i>Sustainable Production and Consumption</i> , 2020, 22, 147-161.	11.0	16
62	Ammonia Removal from Oil Refinery Effluent in Vertical Upflow Macrophyte Column Systems. <i>Water, Air, and Soil Pollution</i> , 2002, 135, 237-247.	2.4	15
63	Short-Term Toxicity and Binding of Platinum to Freshwater Periphyton Communities. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 290-6.	4.1	15
64	Household Energy and Water Practices Change Post-Occupancy in an Australian Low-Carbon Development. <i>Sustainability</i> , 2019, 11, 5559.	3.2	15
65	Effect of stormwater runoff on metal distribution in the sediment and interstitial waters of an urban river. <i>Environmental Technology (United Kingdom)</i> , 1993, 14, 1057-1064.	2.2	14
66	Unraveling everyday heating practices in residential homes. <i>Energy Procedia</i> , 2017, 121, 198-205.	1.8	14
67	Quantification of Goods Purchases and Waste Generation at the Level of Individual Households. <i>Journal of Industrial Ecology</i> , 2014, 18, 227-241.	5.5	13
68	Rooftop PV and the Renewable Energy Transition; a Review of Driving Forces and Analytical Frameworks. <i>Sustainability</i> , 2021, 13, 5613.	3.2	13
69	Identifying Knowledge and Process Gaps from a Systematic Literature Review of Net-Zero Definitions. <i>Sustainability</i> , 2022, 14, 3057.	3.2	12
70	Bacterial enzyme activity and metal speciation in urban river sediments. <i>Hydrobiologia</i> , 1992, 235-236, 597-603.	2.0	11
71	Shared Solar and Battery Storage Configuration Effectiveness for Reducing the Grid Reliance of Apartment Complexes. <i>Energies</i> , 2020, 13, 4820.	3.1	11
72	A Mercury-Free Microwave Method for the Chemical Oxygen Demand Analysis of Sewage. <i>International Journal of Environmental Analytical Chemistry</i> , 1995, 59, 69-78.	3.3	10

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73	Estimation of Measurement Uncertainties for the DGT Passive Sampler Used for Determination of Copper in Water. <i>International Journal of Analytical Chemistry</i> , 2014, 2014, 1-7.	1.0	9
74	Seasonal and Diurnal Surface Temperatures of Urban Landscape Elements. <i>Sustainability</i> , 2019, 11, 5280.	3.2	9
75	Historical transitions of Western Australia's electricity system, 1880-2016. <i>Environmental Innovation and Societal Transitions</i> , 2020, 34, 151-164.	5.5	9
76	The gully pot as a biochemical reactor. <i>Water Science and Technology</i> , 1995, 31, 229-236.	2.5	9
77	Interconnections: An Analysis of Disassemblable Building Connection Systems towards a Circular Economy. <i>Buildings</i> , 2021, 11, 535.	3.1	9
78	Influence of complexing agents and surfactants on metal speciation analysis in road runoff. <i>Science of the Total Environment</i> , 1990, 93, 481-488.	8.0	8
79	Copper(I)/copper(II) reactions in an urban river. <i>Science of the Total Environment</i> , 1996, 189-190, 327-333.	8.0	8
80	Evaluation of a passive sampler for the speciation of metals in urban runoff water. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 2233.	3.5	8
81	Pre- and Post-Occupancy Evaluation of Resident Motivations for and Experiences of Establishing a Home in a Low-Carbon Development. <i>Sustainability</i> , 2019, 11, 3970.	3.2	8
82	The Discrepancy between As-Built and As-Designed in Energy Efficient Buildings: A Rapid Review. <i>Sustainability</i> , 2020, 12, 6372.	3.2	8
83	A Systematic Literature Review of Partnership Development at the University-Industry-Government Nexus. <i>Sustainability</i> , 2021, 13, 13780.	3.2	8
84	The EU network on trace element speciation in full swing. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 210-214.	11.4	7
85	Electroanalysis and Chemometrics of Speciation of Natural Waters. <i>Analytical Proceedings</i> , 1991, 28, 58.	0.4	6
86	A Rapid Review on Community Connected Microgrids. <i>Sustainability</i> , 2021, 13, 6753.	3.2	6
87	Consumer trust and confidence: some recent ideas in the literature. <i>Water Science and Technology: Water Supply</i> , 2008, 8, 43-48.	2.1	5
88	Prediction of water and wastewater networks rehabilitation based current age and material distribution. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 227-237.	2.1	5
89	Behavioral Facilitation of a Transition to Energy Efficient and Low-Carbon Residential Buildings. <i>Buildings</i> , 2019, 9, 226.	3.1	5
90	Energy Allocation Strategies for Common Property Load Connected to Shared Solar and Battery Storage Systems in Strata Apartments. <i>Energies</i> , 2020, 13, 6137.	3.1	5

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91	Co-creation in Living Labs. , 2017, , 169-178.		5
92	Inhibition of bacterial enzyme activity and luminescence by urban river sediments. Science of the Total Environment, 1994, 146-147, 141-147.	8.0	4
93	Modified iButtons: A Low-Cost Instrument to Measure the Albedo of Landscape Elements. Sustainability, 2019, 11, 6896.	3.2	4
94	Micrometer-Resolved Binding of Lead to Iron in Urban River Sediments. Australian Journal of Chemistry, 2004, 57, 921.	0.9	3
95	Business Models for Sustainability in Living Labs. , 2017, , 391-403.		2
96	An assessment framework for urban water systems â€” a new approach combining environmental systems with service supply and consumer perspectives. Alliance for Global Sustainability Bookseries, 2007, , 559-577.	0.2	2
97	Living Labs to Accelerate Innovation. , 2017, , 55-61.		2
98	Heavy metal partitioning between the dissolved and suspended solid phases of stormwater runoff from a residential area. Science of the Total Environment, 1984, 33, 287.	8.0	1
99	Regional and Global Transport of Platinum Group Elements from Automobile Catalysts. , 2006, , 295-305.		1
100	Speciation of Platinum, Palladium, Gold and Rhodium. , 2005, , 327-337.		0
101	Strategic Decisions for Sustainable Management at Significant Tourist Sites. Sustainability, 2020, 12, 8988.	3.2	0
102	Radiosity from Individual Urban Landscape Elements Measured Using a Modified Low-Cost Temperature Sensor. Urban Science, 2020, 4, 14.	2.3	0
103	The Storyline for the Design Process that Shaped the HSB Living Lab. , 2017, , 113-129.		0
104	Enablers of an Electricity System Transition. Smart Innovation, Systems and Technologies, 2019, , 464-477.	0.6	0
105	Potential for Peer-to-Peer Trading of Energy Based on the Home System of Practice. Smart Innovation, Systems and Technologies, 2019, , 478-486.	0.6	0
106	Distribution of Palladium, Platinum and Rhodium in Birds of Prey. , 2006, , 537-547.		0