

Grant C Hose

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,555
citations

249298

26
h-index

274796

44
g-index

102
all docs

102
docs citations

102
times ranked

3544
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the spatial distributions of soil biota at a legacy base metal mine using environmental DNA. <i>Chemosphere</i> , 2022, 286, 131899.	4.2	5
2	Groundwater Dependent Aquatic and Terrestrial Ecosystems. , 2022, , 339-347.		1
3	Sublethal pesticide exposure influences behaviour, but not condition in a widespread Australian lizard. , 2022, 10, coac024.		3
4	Spatial and Temporal Variation in Macrophyte Litter Decomposition in a Rare Chain-of-ponds, an Intermittent Stream and Wetland System. <i>Wetlands</i> , 2022, 42, 1.	0.7	2
5	Bacterial communities in peat swamps reflect changes associated with catchment urbanisation. <i>Urban Ecosystems</i> , 2022, 25, 1455-1468.	1.1	1
6	Invertebrate traits, diversity and the vulnerability of groundwater ecosystems. <i>Functional Ecology</i> , 2022, 36, 2200-2214.	1.7	20
7	History of environmental contamination at Sunny Corner Ag-Pb-Zn mine, eastern Australia: A meta-analysis approach. <i>Environmental Pollution</i> , 2021, 273, 115742.	3.7	10
8	A method for topical dosing of invertebrates with pesticide for use in feeding experiments. <i>Ecotoxicology</i> , 2021, 30, 381-386.	1.1	1
9	Extent and effect of the 2019-20 Australian bushfires on upland peat swamps in the Blue Mountains, NSW. <i>International Journal of Wildland Fire</i> , 2021, 30, 294.	1.0	9
10	Dose-response analysis of diesel fuel phytotoxicity on selected plant species. <i>Chemosphere</i> , 2021, 263, 128382.	4.2	29
11	Comparison of an extracellular v. total DNA extraction approach for environmental DNA-based monitoring of sediment biota. <i>Marine and Freshwater Research</i> , 2021, , .	0.7	8
12	Assessment of legacy mine metal contamination using ants as indicators of contamination. <i>Environmental Pollution</i> , 2021, 274, 116537.	3.7	7
13	Diversity and metagenome analysis of a hydrocarbon-degrading bacterial consortium from asphalt lakes located in Wietze, Germany. <i>AMB Express</i> , 2021, 11, 89.	1.4	22
14	Application of environmental DNA for assessment of contamination downstream of a legacy base metal mine. <i>Journal of Hazardous Materials</i> , 2021, 416, 125794.	6.5	4
15	Impact assessment of ephemeral discharge of contamination downstream of two legacy base metal mines using environmental DNA. <i>Journal of Hazardous Materials</i> , 2021, 419, 126483.	6.5	7
16	Ecotoxicological effects of anthropogenic stressors in subterranean organisms: A review. <i>Chemosphere</i> , 2020, 244, 125422.	4.2	49
17	Assessment of Different Contaminants in Freshwater: Origin, Fate and Ecological Impact. <i>Water (Switzerland)</i> , 2020, 12, 1810.	1.2	5
18	Salinity and temperature increase impact groundwater crustaceans. <i>Scientific Reports</i> , 2020, 10, 12328.	1.6	41

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19	Assessing the Effect of Diesel Fuel on the Seed Viability and Germination of <i>Medicago sativa</i> Using the Event-Time Model. <i>Plants</i> , 2020, 9, 1062.	1.6	8
20	Microbial communities of upland peat swamps were no different 1 year after a hazard reduction burn. <i>International Journal of Wildland Fire</i> , 2020, 29, 1021.	1.0	1
21	The hydrological function of a large chain-of-ponds: a wetland system with intermittent surface flows. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	4
22	Lessons from 10 Years of Experience with Australia's Risk-Based Guidelines for Managed Aquifer Recharge. <i>Water (Switzerland)</i> , 2020, 12, 537.	1.2	17
23	Surviving drought: a framework for understanding animal responses to small rain events in the arid zone. <i>Ecology</i> , 2019, 100, e02884.	1.5	8
24	Architects of the underworld: bioturbation by groundwater invertebrates influences aquifer hydraulic properties. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	32
25	3D conservation planning: Including aquifer protection in freshwater plans refines priorities without much additional effort. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 1063-1072.	0.9	20
26	Highly diverse fungal communities in carbon-rich aquifers of two contrasting lakes in Northeast Germany. <i>Fungal Ecology</i> , 2019, 41, 116-125.	0.7	9
27	Recommendations for ecotoxicity testing with stygobiotic species in the framework of groundwater environmental risk assessment. <i>Science of the Total Environment</i> , 2019, 681, 292-304.	3.9	43
28	Water Sources of Upland Swamps in Eastern Australia: Implications for System Integrity with Aquifer Interference and a Changing Climate. <i>Water (Switzerland)</i> , 2019, 11, 102.	1.2	5
29	The impact of urbanisation on community structure, gene abundance and transcription rates of microbes in upland swamps of Eastern Australia. <i>PLoS ONE</i> , 2019, 14, e0213275.	1.1	11
30	Sediment size influences habitat selection and use by groundwater macrofauna and meiofauna. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	27
31	The Toxicity and Uptake of As, Cr and Zn in a Stygobitic Syncarid (Syncarida: Bathynellidae). <i>Water (Switzerland)</i> , 2019, 11, 2508.	1.2	7
32	Understanding the spatial distribution and physical attributes of upland swamps in the Sydney Basin as a template for their conservation and management. <i>Australian Geographer</i> , 2019, 50, 91-110.	1.0	7
33	Groundwater Ecosystems and Their Services: Current Status and Potential Risks. , 2019, , 197-203.		16
34	The hydrological function of upland swamps in eastern Australia: The role of geomorphic condition in regulating water storage and discharge. <i>Geomorphology</i> , 2018, 310, 29-44.	1.1	14
35	The influence of vegetation and soil properties on springtail communities in a diesel-contaminated soil. <i>Science of the Total Environment</i> , 2018, 619-620, 1098-1104.	3.9	22
36	Diverse fungal lineages in subtropical ponds are altered by sediment-bound copper. <i>Fungal Ecology</i> , 2018, 34, 28-42.	0.7	26

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37	Ecosystem effects and the management of petroleum-contaminated soils on subantarctic islands. <i>Chemosphere</i> , 2018, 194, 200-210.	4.2	36
38	The weighted groundwater health index: Improving the monitoring and management of groundwater resources. <i>Ecological Indicators</i> , 2017, 75, 164-181.	2.6	33
39	Applications of fipronil (Adonis 3UL) and <i>Metarhizium acridum</i> for use against locusts have minimal effect on litter decomposition and microbial functional diversity in Australian arid grassland. <i>Soil Research</i> , 2017, 55, 172.	0.6	4
40	Wells provide a distorted view of life in the aquifer: implications for sampling, monitoring and assessment of groundwater ecosystems. <i>Scientific Reports</i> , 2017, 7, 40702.	1.6	74
41	Short and long-term impacts of ultra-low-volume pesticide and biopesticide applications for locust control on non-target arid zone arthropods. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 233-243.	2.5	20
42	Different depths, different fauna: habitat influences on the distribution of groundwater invertebrates. <i>Hydrobiologia</i> , 2017, 797, 145-157.	1.0	12
43	Groundwater amphipods alter aquifer sediment structure. <i>Hydrological Processes</i> , 2017, 31, 3452-3454.	1.1	14
44	The toxicity of arsenic(III), chromium(VI) and zinc to groundwater copepods. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18704-18713.	2.7	29
45	Effects of two locust control methods on wood-eating termites in arid Australia. <i>Journal of Insect Conservation</i> , 2016, 20, 107-118.	0.8	9
46	Identifying key sedimentary indicators of geomorphic structure and function of upland swamps in the Blue Mountains for use in condition assessment and monitoring. <i>Catena</i> , 2016, 147, 564-577.	2.2	25
47	The unicellular fungal tool RhoTox for risk assessments in groundwater systems. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 18-25.	2.9	8
48	Intrinsic and extrinsic controls on the geomorphic condition of upland swamps in Eastern NSW. <i>Catena</i> , 2016, 137, 100-112.	2.2	23
49	Current insecticide treatments used in locust control have less of a short-term impact on Australian arid-zone reptile communities than does temporal variation. <i>Wildlife Research</i> , 2015, 42, 50.	0.7	13
50	Prevalence and Molecular Identification of Nematode and Dipteran Parasites in an Australian Alpine Grasshopper (<i>Kosciuscola tristis</i>). <i>PLoS ONE</i> , 2015, 10, e0121685.	1.1	8
51	Habitat, water quality, seasonality, or site? Identifying environmental correlates of the distribution of groundwater biota. <i>Freshwater Science</i> , 2015, 34, 329-343.	0.9	36
52	Influence of rock pool characteristics on the distribution and abundance of intertidal fishes. <i>Marine Ecology</i> , 2015, 36, 1332-1344.	0.4	31
53	Direct and indirect effects of copper-contaminated sediments on the functions of model freshwater ecosystems. <i>Ecotoxicology</i> , 2015, 24, 61-70.	1.1	17
54	Systematic Conservation Planning for Groundwater Ecosystems Using Phylogenetic Diversity. <i>PLoS ONE</i> , 2014, 9, e115132.	1.1	39

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55	Down under Down Under: Austral groundwater life. , 2014, , 512-536.		3
56	The geomorphic character and hydrological function of an upland swamp, Budderoo plateau, southern highlands, NSW, Australia. <i>Physical Geography</i> , 2014, 35, 313-334.	0.6	22
57	Development of a groundwater fungal strain as a tool for toxicity assessment. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2826-2834.	2.2	9
58	DNA Metabarcoding Meets Experimental Ecotoxicology. <i>Advances in Ecological Research</i> , 2014, 51, 79-104.	1.4	31
59	Invertebrate community responses to a particulate and dissolved copper exposure in model freshwater ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2724-2732.	2.2	11
60	River aquifer interactions and their relationship to stygofauna assemblages: A case study of the Gwydir River alluvial aquifer (New South Wales, Australia). <i>Science of the Total Environment</i> , 2014, 479-480, 292-305.	3.9	19
61	Long-term copper partitioning of metal-spiked sediments used in outdoor mesocosms. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7130-7139.	2.7	15
62	Fine-scale genetics of subterranean syncarids. <i>Freshwater Biology</i> , 2014, 59, 1-11.	1.2	30
63	Sublethal toxicity of untreated and treated stormwater Zn concentrations on the foraging behaviour of <i>Paratya australiensis</i> (Decapoda: Atyidae). <i>Ecotoxicology</i> , 2014, 23, 1022-1029.	1.1	18
64	Groundwater depth and topography correlate with vegetation structure of an upland peat swamp, Budderoo Plateau, NSW, Australia. <i>Ecohydrology</i> , 2014, 7, 1392-1402.	1.1	18
65	The ecological effects of a herbicide-insecticide mixture on an experimental freshwater ecosystem. <i>Environmental Pollution</i> , 2013, 172, 264-274.	3.7	49
66	Effect of catchment urbanization on ant diversity in remnant riparian corridors. <i>Landscape and Urban Planning</i> , 2013, 110, 155-163.	3.4	13
67	Comparative Growth and Development of Spiders Reared on Live and Dead Prey. <i>PLoS ONE</i> , 2013, 8, e83663.	1.1	7
68	The Impact of Water Table Drawdown and Drying on Subterranean Aquatic Fauna in In-Vitro Experiments. <i>PLoS ONE</i> , 2013, 8, e78502.	1.1	30
69	Proteomic analysis of Sydney Rock oysters (<i>Saccostrea glomerata</i>) exposed to metal contamination in the field. <i>Environmental Pollution</i> , 2012, 170, 102-112.	3.7	25
70	The first set of microsatellite markers developed for the ancient Parabathynellidae (Syncarida,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147</i> 4, 587-589.	0.4	3
71	Environmental and landscape factors influencing ant and plant diversity in suburban riparian corridors. <i>Landscape and Urban Planning</i> , 2011, 103, 372-382.	3.4	50
72	Developmental toxicity of two common corn pesticides to the endangered southern bell frog (<i>Litoria</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	3.7	14

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73	The influence of riparian corridor width on ant and plant assemblages in northern Sydney, Australia. <i>Urban Ecosystems</i> , 2011, 14, 1-16.	1.1	14
74	Toxicity of the Insecticide Terbufos, its Oxidation Metabolites, and the Herbicide Atrazine in Binary Mixtures to <i>Ceriodaphnia cf dubia</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 60, 417-425.	2.1	18
75	Incorporating traits in aquatic biomonitoring to enhance causal diagnosis and prediction. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 187-197.	1.6	113
76	A low concentration of atrazine does not influence the acute toxicity of the insecticide terbufos or its breakdown products to <i>Chironomus tepperi</i> . <i>Ecotoxicology</i> , 2010, 19, 1536-1544.	1.1	8
77	Dimethoate, fenvalerate and their mixture affects <i>Hylyphantes graminicola</i> (Araneae). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> 343-351.	0.7	20
78	Effects of chlorpyrifos on macroinvertebrate communities in coastal stream mesocosms. <i>Ecotoxicology</i> , 2008, 17, 173-180.	1.1	18
79	Effects of River Water and Salinity on the Toxicity of Deltamethrin to Freshwater Shrimp, Cladoceran, and Fish. <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 55, 610-618.	2.1	21
80	Cave invertebrate assemblages differ between native and exotic leaf litter. <i>Austral Ecology</i> , 2008, 33, 271-277.	0.7	9
81	Bioavailable DDT residues in sediments: Laboratory assessment of ageing effects using semi-permeable membrane devices. <i>Environmental Pollution</i> , 2008, 153, 110-118.	3.7	16
82	Relating pine-litter intrusion to plant-community structure in native eucalypt woodland adjacent to <i>Pinus radiata</i> (Pinaceae) plantations. <i>Australian Journal of Botany</i> , 2007, 55, 521.	0.3	12
83	Response to Humphreys' (2007) Comments on Hose GC (2005) Assessing the Need for Groundwater Quality Guidelines for Pesticides Using the Species Sensitivity Distribution Approach.. <i>Human and Ecological Risk Assessment (HERA)</i> , 2007, 13, 241-246.	1.7	12
84	Introduction history and invasion success in exotic vines introduced to Australia. <i>Diversity and Distributions</i> , 2007, 13, 467-475.	1.9	51
85	Short-term colonisation by macroinvertebrates of cobbles in main channel and inundated stream bank habitats. <i>Hydrobiologia</i> , 2007, 592, 513-522.	1.0	10
86	A META-ANALYSIS COMPARING THE TOXICITY OF SEDIMENTS IN THE LABORATORY AND IN SITU. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 1148.	2.2	11
87	Valuation of groundwater-dependent ecosystems: a functional methodology incorporating ecosystem services. <i>Australian Journal of Botany</i> , 2006, 54, 221.	0.3	61
88	A functional methodology for determining the groundwater regime needed to maintain the health of groundwater-dependent vegetation. <i>Australian Journal of Botany</i> , 2006, 54, 97.	0.3	181
89	Life-history correlates of plant invasiveness at regional and continental scales. <i>Ecology Letters</i> , 2005, 8, 1066-1074.	3.0	296
90	The interspecific range size-body size relationship in Australian frogs. <i>Global Ecology and Biogeography</i> , 2005, 14, 339-345.	2.7	12

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91	Life-history and ecological correlates of decline and extinction in the endemic Australian frog fauna. <i>Austral Ecology</i> , 2005, 30, 564-571.	0.7	76
92	A meta-analysis of the interspecific relationship between seed size and plant abundance within local communities. <i>Oikos</i> , 2005, 110, 191-194.	1.2	29
93	Spatial and rainfall related patterns of bacterial contamination in Sydney Harbour estuary. <i>Journal of Water and Health</i> , 2005, 3, 349-358.	1.1	11
94	Assessing the Need for Groundwater Quality Guidelines for Pesticides Using the Species Sensitivity Distribution Approach. <i>Human and Ecological Risk Assessment (HERA)</i> , 2005, 11, 951-966.	1.7	61
95	Ecosystem services: an ecophysiological examination. <i>Australian Journal of Botany</i> , 2005, 53, 1.	0.3	41
96	Water quality guidelines to protect groundwater-dependent ecosystems. <i>Ecological Management and Restoration</i> , 2004, 5, 78-80.	0.7	4
97	TOXICITY OF ENDOSULFAN TO ATALOPHLEBIA SPP. (EPHEMEROPTERA) IN THE LABORATORY, MESOCOSM, AND FIELD. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 3062.	2.2	11
98	Groundwater-dependent ecosystems in Australia: It's more than just water for rivers. <i>Ecological Management and Restoration</i> , 2003, 4, 110-113.	0.7	101
99	Short-term exposure to aqueous endosulfan affects macroinvertebrate assemblages. <i>Ecotoxicology and Environmental Safety</i> , 2003, 56, 282-294.	2.9	13
100	A Pulse of Endosulfan-Contaminated Sediment Affects Macroinvertebrates in Artificial Streams. <i>Ecotoxicology and Environmental Safety</i> , 2002, 51, 44-52.	2.9	23