

Grant C Hose

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,555
citations

218662

26
h-index

243610

44
g-index

102
all docs

102
docs citations

102
times ranked

3190
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the spatial distributions of soil biota at a legacy base metal mine using environmental DNA. Chemosphere, 2022, 286, 131899.	8.2	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. Wetlands, 2022, 42, 1.	1.5	2
5	Bacterial communities in peat swamps reflect changes associated with catchment urbanisation. Urban Ecosystems, 2022, 25, 1455-1468.	2.4	1
6	Invertebrate traits, diversity and the vulnerability of groundwater ecosystems. Functional Ecology, 2022, 36, 2200-2214.	3.6	20
7	History of environmental contamination at Sunny Corner Agâ€Pbâ€Zn mine, eastern Australia: A meta-analysis approach. Environmental Pollution, 2021, 273, 115742.	7.5	10
8	A method for topical dosing of invertebrates with pesticide for use in feeding experiments. Ecotoxicology, 2021, 30, 381-386.	2.4	1
9	Extent and effect of the 2019-20 Australian bushfires on upland peat swamps in the Blue Mountains, NSW. International Journal of Wildland Fire, 2021, 30, 294.	2.4	9
10	Dose-response analysis of diesel fuel phytotoxicity on selected plant species. Chemosphere, 2021, 263, 128382.	8.2	29
11	Comparison of an extracellular v. total DNA extraction approach for environmental DNA-based monitoring of sediment biota. Marine and Freshwater Research, 2021, , .	1.3	8
12	Assessment of legacy mine metal contamination using ants as indicators of contamination. Environmental Pollution, 2021, 274, 116537.	7.5	7
13	Diversity and metagenome analysis of a hydrocarbon-degrading bacterial consortium from asphalt lakes located in Wietze, Germany. AMB Express, 2021, 11, 89.	3.0	22
14	Application of environmental DNA for assessment of contamination downstream of a legacy base metal mine. Journal of Hazardous Materials, 2021, 416, 125794.	12.4	4
15	Impact assessment of ephemeral discharge of contamination downstream of two legacy base metal mines using environmental DNA. Journal of Hazardous Materials, 2021, 419, 126483.	12.4	7
16	Ecotoxicological effects of anthropogenic stressors in subterranean organisms: A review. Chemosphere, 2020, 244, 125422.	8.2	49
17	Assessment of Different Contaminants in Freshwater: Origin, Fate and Ecological Impact. Water (Switzerland), 2020, 12, 1810.	2.7	5
18	Salinity and temperature increase impact groundwater crustaceans. Scientific Reports, 2020, 10, 12328.	3.3	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.	3.5	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.	2.4	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.	1.5	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.	2.7	17
23	Surviving drought: a framework for understanding animal responses to small rain events in the arid zone. <i>Ecology</i> , 2019, 100, e02884.	3.2	8
24	Architects of the underworld: bioturbation by groundwater invertebrates influences aquifer hydraulic properties. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	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.	2.0	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.	1.6	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.	8.0	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.	2.7	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.	2.5	11
30	Sediment size influences habitat selection and use by groundwater macrofauna and meiofauna. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	27
31	The Toxicity and Uptake of As, Cr and Zn in a Stygobitic Syncarid (Syncarida: Bathynellidae). <i>Water (Switzerland)</i> , 2019, 11, 2508.	2.7	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.	1.7	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.	2.6	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.	8.0	22
36	Diverse fungal lineages in subtropical ponds are altered by sediment-bound copper. <i>Fungal Ecology</i> , 2018, 34, 28-42.	1.6	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.	8.2	36
38	The weighted groundwater health index: Improving the monitoring and management of groundwater resources. <i>Ecological Indicators</i> , 2017, 75, 164-181.	6.3	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.	1.1	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.	3.3	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.	5.3	20
42	Different depths, different fauna: habitat influences on the distribution of groundwater invertebrates. <i>Hydrobiologia</i> , 2017, 797, 145-157.	2.0	12
43	Groundwater amphipods alter aquifer sediment structure. <i>Hydrological Processes</i> , 2017, 31, 3452-3454.	2.6	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.	5.3	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.	1.4	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.	5.0	25
47	The unicellular fungal tool RhoTox for risk assessments in groundwater systems. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 18-25.	6.0	8
48	Intrinsic and extrinsic controls on the geomorphic condition of upland swamps in Eastern NSW. <i>Catena</i> , 2016, 137, 100-112.	5.0	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.	1.4	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.	2.5	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.	1.8	36
52	Influence of rockâ€pool characteristics on the distribution and abundance of interâ€tidal fishes. <i>Marine Ecology</i> , 2015, 36, 1332-1344.	1.1	31
53	Direct and indirect effects of copper-contaminated sediments on the functions of model freshwater ecosystems. <i>Ecotoxicology</i> , 2015, 24, 61-70.	2.4	17
54	Systematic Conservation Planning for Groundwater Ecosystems Using Phylogenetic Diversity. <i>PLoS ONE</i> , 2014, 9, e115132.	2.5	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. Physical Geography, 2014, 35, 313-334.	1.4	22
57	Development of a groundwater fungal strain as a tool for toxicity assessment. Environmental Toxicology and Chemistry, 2014, 33, 2826-2834.	4.3	9
58	DNA Metabarcoding Meets Experimental Ecotoxicology. Advances in Ecological Research, 2014, 51, 79-104.	2.7	31
59	Invertebrate community responses to a particulate and dissolved copper exposure in model freshwater ecosystems. Environmental Toxicology and Chemistry, 2014, 33, 2724-2732.	4.3	11
60	River aquifer interactions and their relationship to stygofauna assemblages: A case study of the Gwydir River alluvial aquifer (New South Wales, Australia). Science of the Total Environment, 2014, 479-480, 292-305.	8.0	19
61	Long-term copper partitioning of metal-spiked sediments used in outdoor mesocosms. Environmental Science and Pollution Research, 2014, 21, 7130-7139.	5.3	15
62	Fine-scale genetics of subterranean syncarids. Freshwater Biology, 2014, 59, 1-11.	2.4	30
63	Sublethal toxicity of untreated and treated stormwater Zn concentrations on the foraging behaviour of <i>Paratya australiensis</i> (Decapoda: Atyidae). Ecotoxicology, 2014, 23, 1022-1029.	2.4	18
64	Groundwater depth and topography correlate with vegetation structure of an upland peat swamp, Budderoo Plateau, NSW, Australia. Ecohydrology, 2014, 7, 1392-1402.	2.4	18
65	The ecological effects of a herbicide-insecticide mixture on an experimental freshwater ecosystem. Environmental Pollution, 2013, 172, 264-274.	7.5	49
66	Effect of catchment urbanization on ant diversity in remnant riparian corridors. Landscape and Urban Planning, 2013, 110, 155-163.	7.5	13
67	Comparative Growth and Development of Spiders Reared on Live and Dead Prey. PLoS ONE, 2013, 8, e83663.	2.5	7
68	The Impact of Water Table Drawdown and Drying on Subterranean Aquatic Fauna in In-Vitro Experiments. PLoS ONE, 2013, 8, e78502.	2.5	30
69	Proteomic analysis of Sydney Rock oysters (<i>Saccostrea glomerata</i>) exposed to metal contamination in the field. Environmental Pollution, 2012, 170, 102-112.	7.5	25
70	The first set of microsatellite markers developed for the ancient Parabathynellidae (Syncarida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 4, 587-589.	0.8	3
71	Environmental and landscape factors influencing ant and plant diversity in suburban riparian corridors. Landscape and Urban Planning, 2011, 103, 372-382.	7.5	50
72	Developmental toxicity of two common corn pesticides to the endangered southern bell frog (<i>Litoria</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 14	7.5	14

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73	The influence of riparian corridor width on ant and plant assemblages in northern Sydney, Australia. Urban Ecosystems, 2011, 14, 1-16.	2.4	14
74	Toxicity of the Insecticide Terbufos, its Oxidation Metabolites, and the Herbicide Atrazine in Binary Mixtures to Ceriodaphnia cf dubia. Archives of Environmental Contamination and Toxicology, 2011, 60, 417-425.	4.1	18
75	Incorporating traits in aquatic biomonitoring to enhance causal diagnosis and prediction. Integrated Environmental Assessment and Management, 2011, 7, 187-197.	2.9	113
76	A low concentration of atrazine does not influence the acute toxicity of the insecticide terbufos or its breakdown products to Chironomus tepperi. Ecotoxicology, 2010, 19, 1536-1544.	2.4	8
77	Dimethoate, fenvalerate and their mixture affects <i>Hylyphantes graminicola</i> (Araneae) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF 343-351.	1.3	20
78	Effects of chlorpyrifos on macroinvertebrate communities in coastal stream mesocosms. Ecotoxicology, 2008, 17, 173-180.	2.4	18
79	Effects of River Water and Salinity on the Toxicity of Deltamethrin to Freshwater Shrimp, Cladoceran, and Fish. Archives of Environmental Contamination and Toxicology, 2008, 55, 610-618.	4.1	21
80	Cave invertebrate assemblages differ between native and exotic leaf litter. Austral Ecology, 2008, 33, 271-277.	1.5	9
81	Bioavailable DDT residues in sediments: Laboratory assessment of ageing effects using semi-permeable membrane devices. Environmental Pollution, 2008, 153, 110-118.	7.5	16
82	Relating pine-litter intrusion to plant-community structure in native eucalypt woodland adjacent to Pinus radiata (Pinaceae) plantations. Australian Journal of Botany, 2007, 55, 521.	0.6	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.. Human and Ecological Risk Assessment (HERA), 2007, 13, 241-246.	3.4	12
84	Introduction history and invasion success in exotic vines introduced to Australia. Diversity and Distributions, 2007, 13, 467-475.	4.1	51
85	Short-term colonisation by macroinvertebrates of cobbles in main channel and inundated stream bank habitats. Hydrobiologia, 2007, 592, 513-522.	2.0	10
86	A META-ANALYSIS COMPARING THE TOXICITY OF SEDIMENTS IN THE LABORATORY AND IN SITU. Environmental Toxicology and Chemistry, 2006, 25, 1148.	4.3	11
87	Valuation of groundwater-dependent ecosystems: a functional methodology incorporating ecosystem services. Australian Journal of Botany, 2006, 54, 221.	0.6	61
88	A functional methodology for determining the groundwater regime needed to maintain the health of groundwater-dependent vegetation. Australian Journal of Botany, 2006, 54, 97.	0.6	181
89	Life-history correlates of plant invasiveness at regional and continental scales. Ecology Letters, 2005, 8, 1066-1074.	6.4	296
90	The interspecific range size-body size relationship in Australian frogs. Global Ecology and Biogeography, 2005, 14, 339-345.	5.8	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.	1.5	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.	2.7	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.	2.6	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.	3.4	61
95	Ecosystem services: an ecophysiological examination. <i>Australian Journal of Botany</i> , 2005, 53, 1.	0.6	41
96	Water quality guidelines to protect groundwater-dependent ecosystems. <i>Ecological Management and Restoration</i> , 2004, 5, 78-80.	1.5	4
97	TOXICITY OF ENDOSULFAN TO ATALOPHLEBIA SPP. (EPHEMEROPTERA) IN THE LABORATORY, MESOCOSM, AND FIELD. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 3062.	4.3	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.	1.5	101
99	Short-term exposure to aqueous endosulfan affects macroinvertebrate assemblages. <i>Ecotoxicology and Environmental Safety</i> , 2003, 56, 282-294.	6.0	13
100	A Pulse of Endosulfan-Contaminated Sediment Affects Macroinvertebrates in Artificial Streams. <i>Ecotoxicology and Environmental Safety</i> , 2002, 51, 44-52.	6.0	23