

# Anthony A Chariton

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,167  
citations

218677

26  
h-index

254184

43  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecotoxicological effects of decommissioning offshore petroleum infrastructure: A systematic review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3283-3321.	12.8	19
2	Characterizing the spatial distributions of soil biota at a legacy base metal mine using environmental DNA. <i>Chemosphere</i> , 2022, 286, 131899.	8.2	5
3	Can eDNA be an indicator of tree groundwater use? A perspective. <i>Marine and Freshwater Research</i> , 2022, , NULL.	1.3	1
4	Ecosystems monitoring powered by environmental genomics: A review of current strategies with an implementation roadmap. <i>Molecular Ecology</i> , 2021, 30, 2937-2958.	3.9	149
5	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.	2.4	9
6	Comparison of an extracellular v. total DNA extraction approach for environmental DNA-based monitoring of sediment biota. <i>Marine and Freshwater Research</i> , 2021, , .	1.3	8
7	A Cause for Alarm: Increasing Translocation Success of Captive Individuals Through Alarm Communication. <i>Frontiers in Conservation Science</i> , 2021, 2, .	1.9	4
8	A weight-of-evidence approach for identifying potential sources of untreated sewage inputs into a complex urbanized catchment. <i>Environmental Pollution</i> , 2021, 275, 116575.	7.5	6
9	Metabarcoding Reveals Changes in Benthic Eukaryote and Prokaryote Community Composition along a Tropical Marine Sediment Nickel Gradient. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1892-1905.	4.3	7
10	The use of diversity indices for local assessment of marine sediment quality. <i>Scientific Reports</i> , 2021, 11, 14991.	3.3	3
11	Application of environmental DNA for assessment of contamination downstream of a legacy base metal mine. <i>Journal of Hazardous Materials</i> , 2021, 416, 125794.	12.4	4
12	Towards reproducible metabarcoding data: Lessons from an international cross-laboratory experiment. <i>Molecular Ecology Resources</i> , 2021, , .	4.8	25
13	Saline mine-water alters the structure and function of prokaryote communities in shallow groundwater below a tropical stream. <i>Environmental Pollution</i> , 2021, 284, 117318.	7.5	8
14	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.	12.4	7
15	Social Barriers in Ecological Landscapes: The Social Resistance Hypothesis. <i>Trends in Ecology and Evolution</i> , 2020, 35, 137-148.	8.7	52
16	Environmental DNA can act as a biodiversity barometer of anthropogenic pressures in coastal ecosystems. <i>Scientific Reports</i> , 2020, 10, 8365.	3.3	66
17	Mainstreaming Microbes across Biomes. <i>BioScience</i> , 2020, 70, 589-596.	4.9	11
18	Horizon Scan of the Belt and Road Initiative. <i>Trends in Ecology and Evolution</i> , 2020, 35, 583-593.	8.7	70

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19	Using Bayesian networks to predict risk to estuary water quality and patterns of benthic environmental DNA in Queensland. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 93-111.	2.9	29
20	The effect of dissolved nickel and copper on the adult coral <i>Acropora muricata</i> and its microbiome. <i>Environmental Pollution</i> , 2019, 250, 792-806.	7.5	25
21	DNA metabarcoding—Need for robust experimental designs to draw sound ecological conclusions. <i>Molecular Ecology</i> , 2019, 28, 1857-1862.	3.9	300
22	Connectivity of the seagrass <i>Zostera muelleri</i> within south-eastern Australia. <i>Marine and Freshwater Research</i> , 2019, 70, 1056.	1.3	1
23	Towards a general framework for the assessment of interactive effects of multiple stressors on aquatic ecosystems: Results from the Making Aquatic Ecosystems Great Again (MAEGA) workshop. <i>Science of the Total Environment</i> , 2019, 684, 722-726.	8.0	22
24	After decades of stressor research in urban estuarine ecosystems the focus is still on single stressors: A systematic literature review and meta-analysis. <i>Science of the Total Environment</i> , 2019, 684, 753-764.	8.0	50
25	Microbial communities are sensitive indicators for freshwater sediment copper contamination. <i>Environmental Pollution</i> , 2019, 247, 1028-1038.	7.5	38
26	Trophic transfer of metals in a seagrass food web: Bioaccumulation of essential and non-essential metals. <i>Marine Pollution Bulletin</i> , 2018, 131, 468-480.	5.0	32
27	Bacteria in tropical floodplain soils are sensitive to changes in saltwater. <i>Marine and Freshwater Research</i> , 2018, 69, 1110.	1.3	7
28	Effects of micronized and nano-copper azole on marine benthic communities. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 362-375.	4.3	17
29	Insights from the Genomes of Microbes Thriving in Uranium-Enriched Sediments. <i>Microbial Ecology</i> , 2018, 75, 970-984.	2.8	17
30	Kakadu's wetlands: more change is afoot. <i>Marine and Freshwater Research</i> , 2018, 69, iii.	1.3	1
31	Sea-level rise in northern Australia's Kakadu National Park: a survey of floodplain eukaryotes. <i>Marine and Freshwater Research</i> , 2018, 69, 1134.	1.3	2
32	An integrated risk-assessment framework for multiple threats to floodplain values in the Kakadu Region, Australia, under a changing climate. <i>Marine and Freshwater Research</i> , 2018, 69, 1159.	1.3	13
33	Diverse fungal lineages in subtropical ponds are altered by sediment-bound copper. <i>Fungal Ecology</i> , 2018, 34, 28-42.	1.6	26
34	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
35	Effects of uranium concentration on microbial community structure and functional potential. <i>Environmental Microbiology</i> , 2017, 19, 3323-3341.	3.8	38
36	Global Change. , 2016, , 273-313.		14

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37	Germination and early-stage development in the seagrass, <i>Zostera muelleri</i> Irmisch ex Asch. in response to multiple stressors. <i>Aquatic Botany</i> , 2016, 128, 18-25.	1.6	16
38	Emergent technologies and analytical approaches for understanding the effects of multiple stressors in aquatic environments. <i>Marine and Freshwater Research</i> , 2016, 67, 414.	1.3	41
39	New diagnostics for multiply stressed marine and freshwater ecosystems: integrating models, ecoinformatics and big data. <i>Marine and Freshwater Research</i> , 2016, 67, 391.	1.3	23
40	Prolonged buoyancy and viability of <i>Zostera muelleri</i> Irmisch ex Asch. vegetative fragments indicate a strong dispersal potential. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 464, 52-57.	1.5	21
41	Modeling food web structure and selenium biomagnification in lake macquarie, New South Wales, Australia, using stable carbon and nitrogen isotopes. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 608-617.	4.3	19
42	Metabarcoding of benthic eukaryote communities predicts the ecological condition of estuaries. <i>Environmental Pollution</i> , 2015, 203, 165-174.	7.5	125
43	Time-averaged copper concentrations from continuous exposures predicts pulsed exposure toxicity to the marine diatom, <i>Phaeodactylum tricornutum</i> : Importance of uptake and elimination. <i>Aquatic Toxicology</i> , 2015, 164, 1-9.	4.0	29
44	History of metal contamination in Lake Illawarra, NSW, Australia. <i>Chemosphere</i> , 2015, 119, 377-386.	8.2	13
45	Use of a multi-proxy method to support the restoration of estuaries receiving inputs from industry. <i>Ecological Engineering</i> , 2015, 85, 247-256.	3.6	3
46	Saltwater intrusion history shapes the response of bacterial communities upon rehydration. <i>Science of the Total Environment</i> , 2015, 502, 143-148.	8.0	19
47	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
48	DNA Metabarcoding Meets Experimental Ecotoxicology. <i>Advances in Ecological Research</i> , 2014, 51, 79-104.	2.7	31
49	Faster, Higher and Stronger? The Pros and Cons of Molecular Faunal Data for Assessing Ecosystem Condition. <i>Advances in Ecological Research</i> , 2014, 51, 1-40.	2.7	30
50	Invertebrate community responses to a particulate and dissolved copper exposure in model freshwater ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2724-2732.	4.3	11
51	A molecular based approach for examining responses of eukaryotes in microcosms to contaminant-spiked estuarine sediments. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 359-369.	4.3	48
52	Long-term copper partitioning of metal-spiked sediments used in outdoor mesocosms. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7130-7139.	5.3	15
53	Recent history of sediment metal contamination in Lake Macquarie, Australia, and an assessment of ash handling procedure effectiveness in mitigating metal contamination from coal-fired power stations. <i>Science of the Total Environment</i> , 2014, 490, 659-670.	8.0	30
54	Impacts of inundation and drought on eukaryote biodiversity in semi-arid floodplain soils. <i>Molecular Ecology</i> , 2013, 22, 1746-1758.	3.9	54

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55	Use of a novel sediment exposure to determine the effects of triclosan on estuarine benthic communities. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 384-392.	4.3	18
56	Improved Inference of Taxonomic Richness from Environmental DNA. <i>PLoS ONE</i> , 2013, 8, e71974.	2.5	33
57	Changes in Prokaryote and Eukaryote Assemblages Along a Gradient of Hydrocarbon Contamination in Groundwater. <i>Geomicrobiology Journal</i> , 2013, 30, 623-634.	2.0	15
58	A Classification of Floodplains and Wetlands of the Murray-Darling Basin Based on Changes in Flows Following Water Resource Development. <i>Wetlands</i> , 2012, 32, 239-248.	1.5	27
59	Short and informative DNA products to indirectly measure vascular plant biodiversity. <i>Molecular Ecology</i> , 2012, 21, 3637-3639.	3.9	3
60	Arsenic distribution and species in two <i>Zostera capricorni</i> seagrass ecosystems, New South Wales, Australia. <i>Environmental Chemistry</i> , 2011, 8, 9.	1.5	42
61	Recolonisation of translocated metal-contaminated sediments by estuarine macrobenthic assemblages. <i>Ecotoxicology</i> , 2011, 20, 706-718.	2.4	16
62	Spatial variability of cadmium, copper, manganese, nickel and zinc in the Port Curtis Estuary, Queensland, Australia. <i>Marine and Freshwater Research</i> , 2010, 61, 170.	1.3	28
63	Improving aquatic ecological assessments. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 187-188.	2.9	8
64	Influence of the choice of physical and chemistry variables on interpreting patterns of sediment contaminants and their relationships with estuarine macrobenthic communities. <i>Marine and Freshwater Research</i> , 2010, 61, 1109.	1.3	46
65	Ecological assessment of estuarine sediments by pyrosequencing eukaryotic ribosomal DNA. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 233-238.	4.0	161
66	Arsenic concentrations and speciation in a temperate mangrove ecosystem, NSW, Australia. <i>Applied Organometallic Chemistry</i> , 2002, 16, 192-201.	3.5	59
67	What happens to groundwater ecosystems when you take out the groundwater?. <i>ARPHA Conference Abstracts</i> , 0, 1, .	0.0	0
68	Biotic distribution within groundwater- is it really unpredictable?. <i>ARPHA Conference Abstracts</i> , 0, 1, .	0.0	0