

Alistair R Grinham

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,428
citations

361296

20
h-index

345118

36
g-index

64
all docs

64
docs citations

64
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactions between sea-level rise and wave exposure on reef island dynamics in the Solomon Islands. <i>Environmental Research Letters</i> , 2016, 11, 054011.	2.2	163
2	Anaerobic digestion of harvested aquatic weeds: water hyacinth (<i>Eichhornia crassipes</i>), cabomba (<i>Cabomba Caroliniana</i>) and salvinia (<i>Salvinia molesta</i>). <i>Ecological Engineering</i> , 2010, 36, 1459-1468.	1.6	98
3	Heading for the hills: climate-driven community relocations in the Solomon Islands and Alaska provide insight for a 1.5°C future. <i>Regional Environmental Change</i> , 2018, 18, 2261-2272.	1.4	85
4	The Role of Surface and Subsurface Processes in Keeping Pace with Sea Level Rise in Intertidal Wetlands of Moreton Bay, Queensland, Australia. <i>Ecosystems</i> , 2011, 14, 745-757.	1.6	84
5	Assessing the Spatial and Temporal Variability of Diffusive Methane and Nitrous Oxide Emissions from Subtropical Freshwater Reservoirs. <i>Environmental Science & Technology</i> , 2014, 48, 14499-14507.	4.6	73
6	Methane and nitrous oxide emissions from a subtropical estuary (the Brisbane River estuary,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	3.9	65
7	Terrestrial-marine connectivity: Patterns of terrestrial soil carbon deposition in coastal sediments determined by analysis of glomalin related soil protein. <i>Limnology and Oceanography</i> , 2012, 57, 1492-1502.	1.6	55
8	Quantification of ebullitive and diffusive methane release to atmosphere from a water storage. <i>Atmospheric Environment</i> , 2011, 45, 7166-7173.	1.9	53
9	The importance of small artificial water bodies as sources of methane emissions in Queensland, Australia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5281-5298.	1.9	53
10	Methane and nitrous oxide sources and emissions in a subtropical freshwater reservoir, South East Queensland, Australia. <i>Biogeosciences</i> , 2014, 11, 5245-5258.	1.3	46
11	Prioritizing localized management actions for seagrass conservation and restoration using a species distribution model. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 639-659.	0.9	43
12	Winners and losers as mangrove, coral and seagrass ecosystems respond to sea-level rise in Solomon Islands. <i>Environmental Research Letters</i> , 2017, 12, 094009.	2.2	42
13	Accurately measuring the abundance of benthic microalgae in spatially variable habitats. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 119-125.	1.0	34
14	Importance of sediment organic matter to methane ebullition in a sub-tropical freshwater reservoir. <i>Science of the Total Environment</i> , 2018, 621, 1199-1207.	3.9	34
15	Moreton Bay and Its Estuaries: A Sub-tropical System Under Pressure from Rapid Population Growth. <i>Estuaries of the World</i> , 2014, , 203-222.	0.1	28
16	Elemental composition and productivity of cyanobacterial mats in an arid zone estuary in north Western Australia. <i>Wetlands Ecology and Management</i> , 2010, 18, 37-47.	0.7	27
17	Sampling considerations and assessment of <sc>E</sc>xetainer usage for measuring dissolved and gaseous methane and nitrous oxide in aquatic systems. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 375-390.	1.0	27
18	Random forest algorithm yields accurate quantitative prediction models of benthic light at intertidal sites affected by toxic <i>Lyngbya majuscula</i> blooms. <i>Harmful Algae</i> , 2012, 19, 46-52.	2.2	23

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19	Rapid Reactivation of Cyanobacterial Photosynthesis and Migration upon Rehydration of Desiccated Marine Microbial Mats. <i>Frontiers in Microbiology</i> , 2015, 6, 1472.	1.5	23
20	Sources and sinks of methane and nitrous oxide in the subtropical Brisbane River estuary, South East Queensland, Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 168, 10-21.	0.9	22
21	Assessing the potential of unmanned aerial vehicle spraying of aqueous ozone as an outdoor disinfectant for SARS-CoV-2. <i>Environmental Research</i> , 2021, 196, 110944.	3.7	22
22	Primary production of lake phytoplankton, dominated by the cyanobacterium <i>Cylindrospermopsis raciborskii</i> , in response to irradiance and temperature. <i>Inland Waters</i> , 2015, 5, 93-100.	1.1	21
23	Quantifying Spatiotemporal Greenhouse Gas Emissions Using Autonomous Surface Vehicles. <i>Journal of Field Robotics</i> , 2017, 34, 151-169.	3.2	21
24	Impact of sediment type, light and nutrient availability on benthic diatom communities of a large estuarine bay: Moreton Bay, Australia. <i>Journal of Paleolimnology</i> , 2011, 46, 511-523.	0.8	20
25	Methane dynamics in subtropical freshwater reservoirs and the mediating microbial communities. <i>Biogeochemistry</i> , 2016, 128, 233-255.	1.7	19
26	Dramatic increase in mud distribution across a large sub-tropical embayment, Moreton Bay, Australia. <i>Marine Pollution Bulletin</i> , 2017, 116, 491-497.	2.3	19
27	Experimental evaluation of an Autonomous Surface Vehicle for water quality and greenhouse gas emission monitoring. , 2010, , .		18
28	Environmental change in a modified catchment downstream of a gold mine, Solomon Islands. <i>Environmental Pollution</i> , 2017, 231, 942-953.	3.7	16
29	Tidal energy site characterisation in a large tidal channel in Banks Strait, Tasmania, Australia. <i>Renewable Energy</i> , 2021, 177, 859-870.	4.3	15
30	Baseline arsenic levels in marine and terrestrial resources from a pristine environment: Isabel Island, Solomon Islands. <i>Marine Pollution Bulletin</i> , 2014, 88, 354-360.	2.3	14
31	Methane and nitrous oxide emissions from a subtropical coastal embayment (Moreton Bay, Australia). <i>Journal of Environmental Sciences</i> , 2015, 29, 82-96.	3.2	14
32	Corals persisting in naturally turbid waters adjacent to a pristine catchment in Solomon Islands. <i>Marine Pollution Bulletin</i> , 2015, 94, 299-306.	2.3	14
33	Tidal variability in methane and nitrous oxide emissions along a subtropical estuarine gradient. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 192, 159-169.	0.9	14
34	A Novel Low-Cost, High-Resolution Camera System for Measuring Peat Subsidence and Water Table Dynamics. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	13
35	Seasonality of turbulence characteristics and wave-current interaction in two prospective tidal energy sites. <i>Renewable Energy</i> , 2021, 178, 1322-1336.	4.3	10
36	Cost-Effective Methods for Accurate Determination of Sea Level Rise Vulnerability: A Solomon Islands Example. <i>Weather, Climate, and Society</i> , 2013, 5, 285-292.	0.5	9

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37	Exploring the "Sharkcano": Biogeochemical Observations of the Kavachi Submarine Volcano (Solomon Islands). , 2016, 29, 160-169.		9
38	Nutrient exchange of extensive cyanobacterial mats in an arid subtropical wetland. Marine and Freshwater Research, 2012, 63, 457.	0.7	8
39	Near-Bed Monitoring of Suspended Sediment during a Major Flood Event Highlights Deficiencies in Existing Event-Loading Estimates. Water (Switzerland), 2018, 10, 34.	1.2	7
40	Tracking Inflows in Lake Wivenhoe during a Major Flood Using Optical Spectroscopy. Water (Switzerland), 2014, 6, 2339-2352.	1.2	6
41	Insight into dissolved organic matter fractions in Lake Wivenhoe during and after a major flood. Environmental Monitoring and Assessment, 2016, 188, 134.	1.3	6
42	Near-Field Observations of an Offshore Multiport Brine Diffuser under Various Operating Conditions. Journal of Hydraulic Engineering, 2018, 144, 05018007.	0.7	6
43	Evaluation of wave-turbulence decomposition methods applied to experimental wave and grid-generated turbulence data. Ocean Engineering, 2020, 218, 108186.	1.9	5
44	Sediment arsenic hotspots in an abandoned tailings storage facility, Gold Ridge Mine, Solomon Islands. Chemosphere, 2021, 269, 128756.	4.2	5
45	Event loading drives distribution of the organochlorine pesticide metabolite DDE in a sub-tropical river system, Brisbane River, Australia. Marine Pollution Bulletin, 2021, 170, 112671.	2.3	5
46	Evaluating the effect of data-richness and model complexity in the prediction of coastal sediment loading in Solomon Islands. Environmental Research Letters, 2020, 15, 124044.	2.2	5
47	Suspended Sediment Transport in Context of Dredge Placement Operations in Moreton Bay, Australia. Journal of Waterway, Port, Coastal and Ocean Engineering, 2019, 145, 05019001.	0.5	4
48	Water quality challenges associated with industrial logging of a karst landscape: Guadalcanal, Solomon Islands. Marine Pollution Bulletin, 2021, 169, 112506.	2.3	4
49	Predicting distribution of microphytobenthos abundance on a reef platform by combining in situ underwater spectrometry and pigment analysis. Remote Sensing Letters, 2014, 5, 461-470.	0.6	3
50	Spatiotemporal Influences of Open-Coastal Forcing Dynamics on a Dense Multiport Diffuser Outfall. Journal of Hydraulic Engineering, 2019, 145, .	0.7	3
51	Indicators of herbivorous fish biomass in community-based marine management areas in Fiji. Pacific Conservation Biology, 2016, 22, 20.	0.5	2
52	Community-based Conservation of Leatherback Turtles in Solomon Islands: Local Responses to Global Pressures. Conservation and Society, 2018, 16, 459.	0.4	2
53	Dispatchability, Energy Security, and Reduced Capital Cost in Tidal-Wind and Tidal-Solar Energy Farms. Energies, 2021, 14, 8504.	1.6	2
54	Solomon Islands: Coastal and Marine Ecosystems. , 2019, , 855-874.		1

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55	Geotechnical Approach to Early-Stage Site Characterisation of Shallow Wave Energy Sites. Journal of Marine Science and Engineering, 2021, 9, 605.	1.2	1
56	Drivers of Anaerobic Methanogenesis in Sub-Tropical Reservoir Sediments. Frontiers in Environmental Science, 2022, 10, .	1.5	1
57	Datasets for turbulence characterization collected with AD2CPs in potential tidal energy sites in Australia. Data in Brief, 2022, , 108336.	0.5	0