

# Damian B Gore

## List of Publications by Year in descending order

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86  
papers

2,282  
citations

236925

25  
h-index

233421

45  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2434  
citing authors

#	ARTICLE	IF	CITATIONS
1	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	3.0	228
2	Retreat of the East Antarctic ice sheet during the last glacial termination. <i>Nature Geoscience</i> , 2011, 4, 195-202.	12.9	169
3	Management and remediation of contaminated sites at Casey Station, Antarctica. <i>Polar Record</i> , 2001, 37, 199-214.	0.8	160
4	Were the Larsemann Hills ice-free through the Last Glacial Maximum?. <i>Antarctic Science</i> , 2001, 13, 440-454.	0.9	158
5	Retreat history of the East Antarctic Ice Sheet since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 10-30.	3.0	140
6	Exposure ages from mountain dipsticks in Mac. Robertson Land, East Antarctica, indicate little change in ice-sheet thickness since the Last Glacial Maximum. <i>Geology</i> , 2007, 35, 551.	4.4	91
7	Late Pleistocene and Holocene history of Lake Terrasovoje, Amery Oasis, East Antarctica, and its climatic and environmental implications. <i>Journal of Paleolimnology</i> , 2004, 32, 321-339.	1.6	60
8	Chemical immobilization of metals and metalloids by phosphates. <i>Applied Geochemistry</i> , 2015, 59, 47-62.	3.0	58
9	Late Quaternary aeolian dunes on the presently humid Blue Mountains, Eastern Australia. <i>Quaternary International</i> , 2003, 108, 13-32.	1.5	53
10	Evaluation of geochemical methods for discrimination of metal contamination in Antarctic marine sediments: A case study from Casey Station. <i>Chemosphere</i> , 2006, 65, 294-309.	8.2	50
11	Design, installation and preliminary testing of a permeable reactive barrier for diesel fuel remediation at Casey Station, Antarctica. <i>Cold Regions Science and Technology</i> , 2013, 96, 96-107.	3.5	46
12	Cosmogenic nuclide evidence for enhanced sensitivity of an East Antarctic ice stream to change during the last deglaciation. <i>Geology</i> , 2011, 39, 23-26.	4.4	44
13	A citizen science approach to identifying trace metal contamination risks in urban gardens. <i>Environment International</i> , 2021, 155, 106582.	10.0	42
14	The diatom flora and limnology of lakes in the Amery Oasis, East Antarctica. <i>Polar Biology</i> , 2004, 27, 513.	1.2	38
15	Colonization, succession, and extinction of marine floras during a glacial cycle: A case study from the Windmill Islands (east Antarctica) using biomarkers. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	37
16	Palaeoclimatic significance of late Quaternary diatom assemblages from southern Windmill Islands, East Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 195, 261-280.	2.3	36
17	Deglaciation and weathering of Larsemann Hills, East Antarctica. <i>Antarctic Science</i> , 2009, 21, 373.	0.9	36
18	Porous metal-organic framework-based filters: Synthesis methods and applications for environmental remediation. <i>Chemical Engineering Journal</i> , 2022, 430, 133160.	12.7	36

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19	Composition, distribution and origin of surficial salts in the Vestfold Hills, East Antarctica. <i>Antarctic Science</i> , 1996, 8, 73-84.	0.9	34
20	Late Quaternary environment of southern Windmill Islands, East Antarctica. <i>Antarctic Science</i> , 2002, 14, 385-394.	0.9	29
21	In situ growth of two-dimensional ZIF-L nanoflakes on ceramic membrane for efficient removal of iodine. <i>Journal of Membrane Science</i> , 2021, 619, 118782.	8.2	28
22	Soil phosphorus enhancement below stormwater outlets in urban bushland: spatial and temporal changes and the relationship with invasive plants. <i>Soil Research</i> , 2004, 42, 197.	1.1	28
23	An analysis of the limnology and sedimentary diatom flora of fourteen lakes and ponds from the Windmill Islands, East Antarctica. <i>Antarctic Science</i> , 2001, 13, 410-419.	0.9	27
24	The Holocene evolution and palaeosalinity history of Beall Lake, Windmill Islands (East Antarctica) using an expanded diatom-based weighted averaging model. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 208, 121-140.	2.3	27
25	A lithium ion selective membrane synthesized from a double layered Zr-based metalorganic framework (MOF-on-MOF) thin film. <i>Desalination</i> , 2022, 532, 115733.	8.2	26
26	Blanketing snow and ice; constraints on radiocarbon dating deglaciation in East Antarctic oases. <i>Antarctic Science</i> , 1997, 9, 336-346.	0.9	25
27	Assessment of metal contamination using X-ray fluorescence spectrometry and the toxicity characteristic leaching procedure (TCLP) during remediation of a waste disposal site in Antarctica. <i>Journal of Environmental Monitoring</i> , 2008, 10, 60-70.	2.1	24
28	Formation and stability of Pb-, Zn- & Cu-PO <sub>4</sub> phases at low temperatures: Implications for heavy metal fixation in polar environments. <i>Environmental Pollution</i> , 2012, 161, 143-153.	7.5	23
29	Sediment tracing in the upper Hunter catchment using elemental and mineralogical compositions: Implications for catchment-scale suspended sediment (dis)connectivity and management. <i>Geomorphology</i> , 2013, 193, 112-121.	2.6	22
30	Post-rehabilitation environmental hazard of Cu, Zn, As and Pb at the derelict Conrad Mine, eastern Australia. <i>Environmental Pollution</i> , 2007, 148, 491-500.	7.5	21
31	The nature and distribution of Cu, Zn, Hg, and Pb in urban soils of a regional city: Lithgow, Australia. <i>Applied Geochemistry</i> , 2013, 36, 83-91.	3.0	21
32	Grain size of activated carbon, and untreated and modified granular clinoptilolite under freeze-thaw: applications to permeable reactive barriers. <i>Polar Record</i> , 2006, 42, 121-126.	0.8	20
33	Products and stability of phosphate reactions with lead under freeze-thaw cycling in simple systems. <i>Environmental Pollution</i> , 2011, 159, 3496-3503.	7.5	20
34	Effects of red earthworms ( <i>Eisenia fetida</i> ) on leachability of lead minerals in soil. <i>Environmental Pollution</i> , 2018, 237, 851-857.	7.5	20
35	Effects of freeze-thaw cycling on metal-phosphate formation and stability in single and multi-metal systems. <i>Environmental Pollution</i> , 2013, 175, 168-177.	7.5	19
36	Managing produced water from coal seam gas projects: implications for an emerging industry in Australia. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10981-11000.	5.3	19

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37	Ion beam engineered graphene oxide membranes for mono-/di-valent metal ions separation. <i>Carbon</i> , 2020, 158, 598-606.	10.3	18
38	Algae River: an extensive drainage system in the Bunger Hills, East Antarctica. <i>Polar Record</i> , 2002, 38, 141-152.	0.8	15
39	Freeze-thaw cycling, moisture and leaching from a Controlled Release Nutrient source. <i>Cold Regions Science and Technology</i> , 2008, 52, 401-407.	3.5	15
40	Metal and petroleum hydrocarbon contamination at Wilkes Station, East Antarctica. <i>Antarctic Science</i> , 2015, 27, 118-133.	0.9	15
41	Landscape preservation under post-European settlement alluvium in the south-eastern Australian tablelands, inferred from portable OSL reader data. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1697-1707.	2.5	15
42	Ice-damming and fluvial erosion in the Vestfold Hills, East Antarctica. <i>Antarctic Science</i> , 1992, 4, 227-234.	0.9	14
43	Separating silver sources of Archaic Athenian coinage by comprehensive compositional analyses. <i>Journal of Archaeological Science</i> , 2020, 114, 105068.	2.4	14
44	Derived constituents in the glacial sediments of the Vestfold Hills, East Antarctica. <i>Quaternary Science Reviews</i> , 1994, 13, 301-307.	3.0	11
45	Reconstruction of ice flow across the Bunger Hills, East Antarctica. <i>Antarctic Science</i> , 1997, 9, 347-354.	0.9	11
46	Last glaciation of Vestfold Hills: extension of the East Antarctic ice sheet or lateral expansion of Sørvald Glacier?. <i>Polar Record</i> , 1997, 33, 5-12.	0.8	10
47	Immobilization and Encapsulation of Contaminants Using Silica Treatments: A Review. <i>Remediation</i> , 2013, 24, 49-67.	2.4	10
48	Remediation of metal-contaminated soil in polar environments: Phosphate fixation at Casey Station, East Antarctica. <i>Applied Geochemistry</i> , 2014, 51, 33-43.	3.0	10
49	Suitability of Transportable EDXRF for the On-site Assessment of Ancient Silver Coins and Other Silver Artifacts. <i>Applied Spectroscopy</i> , 2016, 70, 840-851.	2.2	10
50	Imaging of Jurassic fossils from the Talbragar Fish Bed using fluorescence, photoluminescence, and elemental and mineralogical mapping. <i>PLoS ONE</i> , 2017, 12, e0179029.	2.5	10
51	Spatio-temporal variation of skeletal Mg-calcite in Antarctic marine calcifiers. <i>PLoS ONE</i> , 2019, 14, e0210231.	2.5	10
52	Precise tuning chemistry and tailoring defects of graphene oxide films by low energy ion beam irradiation. <i>Applied Surface Science</i> , 2020, 505, 144651.	6.1	10
53	History of environmental contamination at Sunny Corner Ag-Pb-Zn mine, eastern Australia: A meta-analysis approach. <i>Environmental Pollution</i> , 2021, 273, 115742.	7.5	10
54	Glacial sediment provenance, dispersal and deposition, Vestfold Hills, East Antarctica. <i>Antarctic Science</i> , 2003, 15, 259-269.	0.9	9

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55	Geochemical insights to the formation of "sedimentary buffers": Considering the role of tributary "trunk stream interactions on catchment-scale sediment flux and drainage network dynamics. <i>Geomorphology</i> , 2014, 219, 1-9.	2.6	8
56	Postglacial evolution of marine and lacustrine water bodies in Bunger Hills. <i>Antarctic Science</i> , 2020, 32, 107-129.	0.9	8
57	Indications of Holocene sea-level rise in Beaver Lake, East Antarctica. <i>Antarctic Science</i> , 2007, 19, 125-128.	0.9	7
58	Elemental and mineralogical constraints on environmental contamination from slag at Gulf Creek copper mine. <i>Minerals Engineering</i> , 2020, 154, 106407.	4.3	7
59	Assessing metal contaminants in Antarctic soils using diffusive gradients in thin-films. <i>Chemosphere</i> , 2021, 269, 128675.	8.2	7
60	Assessment of legacy mine metal contamination using ants as indicators of contamination. <i>Environmental Pollution</i> , 2021, 274, 116537.	7.5	7
61	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
62	Application of Reactive Barriers Operated in Frozen Ground. <i>Soil Biology</i> , 2009, , 303-320.	0.8	7
63	Handheld X-ray Fluorescence Spectrometers: Radiation Exposure Risks of Matrix-Specific Measurement Scenarios. <i>Applied Spectroscopy</i> , 2015, 69, 815-822.	2.2	6
64	Managing legacy waste in the presence of cultural heritage at Wilkes Station, East Antarctica. <i>Polar Record</i> , 2015, 51, 151-159.	0.8	6
65	Treatment of soil co-contaminated with inorganics and petroleum hydrocarbons using silica: Implications for remediation in cold regions. <i>Cold Regions Science and Technology</i> , 2017, 135, 8-15.	3.5	6
66	Antarctic Ice Sheet changes since the Last Glacial Maximum. , 2022, , 623-687.		6
67	Preparation of Electrotechnical Products for Reduction of Hazardous Substances Compliance Testing. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4088-4092.	10.0	5
68	Non-Destructive or Noninvasive? The Potential Effect of X-Ray Fluorescence Spectrometers on Luminescence Age Estimates of Archaeological Samples. <i>Geoarchaeology - an International Journal</i> , 2016, 31, 592-602.	1.5	5
69	Spatial distribution of birds and terrestrial plants in Bunger Hills. <i>Antarctic Science</i> , 2020, 32, 153-166.	0.9	5
70	Salt, sediments and weathering environments in Bunger Hills. <i>Antarctic Science</i> , 2020, 32, 138-152.	0.9	5
71	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
72	On-site and in situ remediation technologies applicable to metal-contaminated sites in Antarctica and the Arctic: a review. <i>Polar Research</i> , 2013, 33, .	1.6	5

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73	Changes in the Ice Boundary of the Vestfold Hills, East Antarctica, 1947 to 1990. Geographical Research, 1993, 31, 49-61.	0.6	4
74	Glacial Crooked Lake, Vestfold Hills, East Antarctica. Polar Record, 1996, 32, 19-24.	0.8	4
75	50 kGy of gamma irradiation does not affect the leachability of mineral soils and sediments. Powder Diffraction, 2014, 29, S40-S46.	0.2	4
76	Tafoni show postglacial and modern wind azimuths that are similar at Bunger Hills. Antarctic Science, 2020, 32, 130-137.	0.9	4
77	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
78	Aspects of the design and calibration of a portable flume. Soil and Tillage Research, 1988, 1, 297-312.	0.4	3
79	Long-Term Acid-Generating and Metal Leaching Potential of a Sub-Arctic Oil Shale. Minerals (Basel), 2021, 11, 1078.	0.78	3
80	Spatial variability of elements in ancient Greek (ca. 600–250 BC) silver coins using scanning electron microscopy with energy dispersive spectrometry (SEM-EDS) and time of flight-secondary ion mass spectrometry (ToF-SIMS). Powder Diffraction, 2017, 32, S95-S100.	0.2	3
81	On-site teaching with XRF and XRD: training the next generation of analytical X-ray professionals. Powder Diffraction, 2014, 29, S8-S14.	0.2	2
82	Human occupation, impacts and environmental management of Bunger Hills. Antarctic Science, 2020, 32, 72-84.	0.9	2
83	Rapid ice sheet response to deglacial and Holocene paleoenvironmental changes in eastern Prydz Bay, East Antarctica. Quaternary Science Reviews, 2022, 280, 107401.	3.0	2
84	Removal of copper and zinc from ground water by granular zero-valent iron: a mechanistic study. Separation Science and Technology, 2019, 150623131830009.	2.5	1
85	Legacy base metal slags can generate toxic leachates. Powder Diffraction, 2017, 32, S70-S77.	0.2	1
86	Using a fluvial archive to place extreme flood sediment (dis)connectivity dynamics in context of a longer-term record. International Journal of Sediment Research, 2022, , .	3.5	0