

Quentin J Groom

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

4,330
citations

218381

26
h-index

138251

58
g-index

140
all docs

140
docs citations

140
times ranked

6107
citing authors

#	ARTICLE	IF	CITATIONS
1	Global exchange and accumulation of non-native plants. <i>Nature</i> , 2015, 525, 100-103.	13.7	746
2	Naturalized alien flora of the world. <i>Preslia</i> , 2017, 89, 203-274.	1.1	350
3	Species richness declines and biotic homogenisation have slowed down for <sc>NW</sc>â€European pollinators and plants. <i>Ecology Letters</i> , 2013, 16, 870-878.	3.0	305
4	rbohA, a rice homologue of the mammalian gp91phox respiratory burst oxidase gene. <i>Plant Journal</i> , 1996, 10, 515-522.	2.8	294
5	The changing role of ornamental horticulture in alien plant invasions. <i>Biological Reviews</i> , 2018, 93, 1421-1437.	4.7	251
6	Crossing Frontiers in Tackling Pathways of Biological Invasions. <i>BioScience</i> , 2015, 65, 769-782.	2.2	202
7	The Global Naturalized Alien Flora (Glo<sc>NAF</sc>) database. <i>Ecology</i> , 2019, 100, e02542.	1.5	189
8	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. <i>Journal of Applied Ecology</i> , 2018, 55, 92-98.	1.9	108
9	Alien Pathogens on the Horizon: Opportunities for Predicting their Threat to Wildlife. <i>Conservation Letters</i> , 2017, 10, 477-484.	2.8	96
10	The non-photochemical reduction of plastoquinone in leaves. <i>Photosynthesis Research</i> , 1993, 36, 205-215.	1.6	85
11	Differential Effects of Chilling-Induced Photooxidation on the Redox Regulation of Photosynthetic Enzymesâ€. <i>Biochemistry</i> , 2000, 39, 6679-6688.	1.2	81
12	Trying to engage the crowd in recording invasive alien species in Europe: experiences from two smartphone applications in northwest Europe. <i>Management of Biological Invasions</i> , 2015, 6, 215-225.	0.5	80
13	Barbaloin in Aloe Species. <i>Planta Medica</i> , 1987, 53, 345-348.	0.7	78
14	Analysis of Light-Induced Depressions of Photosynthesis in Leaves of a Wheat Crop during the Winter. <i>Plant Physiology</i> , 1992, 100, 1217-1223.	2.3	64
15	Is citizen science an open science in the case of biodiversity observations?. <i>Journal of Applied Ecology</i> , 2017, 54, 612-617.	1.9	59
16	Alien flora of Turkey: checklist, taxonomic composition and ecological attributes. <i>NeoBiota</i> , 0, 35, 61-85.	1.0	57
17	Unlocking biodiversity data: Prioritization and filling the gaps in biodiversity observation data in Europe. <i>Biological Conservation</i> , 2018, 221, 78-85.	1.9	55
18	Photoinhibition of holly (<i>Ilex aquifolium</i>) in the field during the winter. <i>Physiologia Plantarum</i> , 1991, 83, 585-590.	2.6	54

#	ARTICLE	IF	CITATIONS
19	Tackling invasive alien species in Europe II: threats and opportunities until 2020. <i>Management of Biological Invasions</i> , 2017, 8, 273-286.	0.5	52
20	Actionable, long-term stable and semantic web compatible identifiers for access to biological collection objects. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	1.4	48
21	Worldwide Engagement for Digitizing Biocollections (WeDigBio): The Biocollections Community's Citizen-Science Space on the Calendar. <i>BioScience</i> , 2018, 68, 112-124.	2.2	45
22	The Bari Manifesto: An interoperability framework for essential biodiversity variables. <i>Ecological Informatics</i> , 2019, 49, 22-31.	2.3	43
23	INVASIVESNET towards an International Association for Open Knowledge on Invasive Alien Species. <i>Management of Biological Invasions</i> , 2016, 7, 131-139.	0.5	41
24	Strategies and guidelines for scholarly publishing of biodiversity data. <i>Research Ideas and Outcomes</i> , 0, 3, e12431.	1.0	40
25	The froh gene family from <i>Arabidopsis thaliana</i> : Putative iron-chelate reductases. <i>Plant and Soil</i> , 1997, 196, 245-248.	1.8	37
26	The importance of open data for invasive alien species research, policy and management. <i>Management of Biological Invasions</i> , 2015, 6, 119-125.	0.5	36
27	Some poleward movement of British native vascular plants is occurring, but the fingerprint of climate change is not evident. <i>PeerJ</i> , 2013, 1, e77.	0.9	35
28	The flora phenotype ontology (FLOPO): tool for integrating morphological traits and phenotypes of vascular plants. <i>Journal of Biomedical Semantics</i> , 2016, 7, 65.	0.9	34
29	A workflow for standardising and integrating alien species distribution data. <i>NeoBiota</i> , 0, 59, 39-59.	1.0	31
30	The Biodiversity Informatics Landscape: Elements, Connections and Opportunities. <i>Research Ideas and Outcomes</i> , 0, 3, e14059.	1.0	31
31	Improving Darwin Core for research and management of alien species. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	30
32	Increasing understanding of alien species through citizen science (Alien-CSI). <i>Research Ideas and Outcomes</i> , 0, 4, .	1.0	30
33	Seven Recommendations to Make Your Invasive Alien Species Data More Useful. <i>Frontiers in Applied Mathematics and Statistics</i> , 2017, 3, .	0.7	29
34	Empowering Citizens to Inform Decision-Making as a Way Forward to Support Invasive Alien Species Policy. <i>Citizen Science: Theory and Practice</i> , 2019, 4, .	0.6	27
35	Alien futures: What is on the horizon for biological invasions?. <i>Diversity and Distributions</i> , 2018, 24, 1149-1157.	1.9	26
36	A benchmark dataset of herbarium specimen images with label data. <i>Biodiversity Data Journal</i> , 2019, 7, e31817.	0.4	24

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37	Species interactions: next-level citizen science. <i>Ecography</i> , 2021, 44, 1781-1789.	2.1	24
38	Conceptual design blueprint for the DiSSCo digitization infrastructure - DELIVERABLE D8.1. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	21
39	Frameworks used in invasion science: progress and prospects. <i>NeoBiota</i> , 0, 62, 1-30.	1.0	20
40	People are essential to linking biodiversity data. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	1.4	19
41	The origin of <i>Oxalis corniculata</i> L.. <i>PeerJ</i> , 2019, 7, e6384.	0.9	17
42	Herbarium specimens reveal the exchange network of British and Irish botanists, 1856–1932. <i>New Journal of Botany</i> , 2014, 4, 95-103.	0.2	16
43	Tracking Invasive Alien Species (TrIAS): Building a data-driven framework to inform policy. <i>Research Ideas and Outcomes</i> , 0, 3, .	1.0	16
44	SYNTHESYS+ Abridged Grant Proposal. <i>Research Ideas and Outcomes</i> , 0, 5, .	1.0	16
45	Quality issues in georeferencing: From physical collections to digital data repositories for ecological research. <i>Diversity and Distributions</i> , 2021, 27, 564-567.	1.9	15
46	Enriched biodiversity data as a resource and service. <i>Biodiversity Data Journal</i> , 2014, 2, e1125.	0.4	15
47	Landscape Analysis for the Specimen Data Refinery. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	15
48	Biodiversity Community Integrated Knowledge Library (BiCIKL). <i>Research Ideas and Outcomes</i> , 0, 8, .	1.0	15
49	Country Compendium of the Global Register of Introduced and Invasive Species. <i>Scientific Data</i> , 2022, 9, .	2.4	15
50	A protocol for adding knowledge to Wikidata: aligning resources on human coronaviruses. <i>BMC Biology</i> , 2021, 19, 12.	1.7	14
51	iNaturalist is an Unexploited Source of Plant-Insect Interaction Data. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	14
52	A checklist recipe: making species data open and FAIR. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	1.4	13
53	Stable identifiers for collection specimens. <i>Nature</i> , 2017, 546, 33-33.	13.7	12
54	Characterisation of false-positive observations in botanical surveys. <i>PeerJ</i> , 2017, 5, e3324.	0.9	11

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55	Estimation of vascular plant occupancy and its change using kriging. <i>New Journal of Botany</i> , 2013, 3, 33-46.	0.2	10
56	Liberating hostâ€“virus knowledge from biological dark data. <i>Lancet Planetary Health</i> , The, 2021, 5, e746-e750.	5.1	10
57	Photoinhibition of holly (<i>Ilex aquifolium</i>) in the field during the winter. <i>Physiologia Plantarum</i> , 1991, 83, 585-590.	2.6	10
58	Piecing together the biogeographic history of <i>Chenopodium vulvaria</i> L. using botanical literature and collections. <i>PeerJ</i> , 2015, 3, e723.	0.9	10
59	Improved standardization of transcribed digital specimen data. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	9
60	Zenodo, an Archive and Publishing Repository: A tale of two herbarium specimen pilot projects. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	9
61	Towards a scientific workflow featuring Natural Language Processing for the digitisation of natural history collections. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	9
62	How to predict fine resolution occupancy from coarse occupancy data. <i>Methods in Ecology and Evolution</i> , 2018, 9, 2273-2284.	2.2	8
63	Scientific user requirements for a herbarium data portal. <i>PhytoKeys</i> , 2017, 78, 37-57.	0.4	8
64	A cost analysis of transcription systems. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	8
65	Accumulation of metallothionein transcripts in response to iron, copper and zinc: Metallothionein and metal-chelate reductase. <i>Acta Physiologiae Plantarum</i> , 1997, 19, 451-457.	1.0	7
66	The froh gene family from <i>Arabidopsis thaliana</i> : Putative iron-chelate reductases. , 1997, , 191-194.		7
67	Designing an Herbarium Digitisation Workflow with Built-In Image Quality Management. <i>Biodiversity Data Journal</i> , 2020, 8, e47051.	0.4	7
68	Ten simple rules for making a software tool workflow-ready. <i>PLoS Computational Biology</i> , 2022, 18, e1009823.	1.5	7
69	Characterization of two cDNAs and identification of two proteins that accumulate in response to cadmium in cadmium-tolerant <i>Datura innoxia</i> (Mill.) cells. <i>Journal of Experimental Botany</i> , 1996, 47, 1019-1024.	2.4	6
70	Using legacy botanical literature as a source of phytogeographical data. <i>Plant Ecology and Evolution</i> , 2015, 148, 256-266.	0.3	6
71	Metal-gene-interactions in roots: metallothionein-like genes and iron reductases. , 1997, , 117-130.		6
72	Unifying European Biodiversity Informatics (BioUnify). <i>Research Ideas and Outcomes</i> , 0, 2, e7787.	1.0	6

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73	Community engagement: The “last mile” challenge for European research e-infrastructures. <i>Research Ideas and Outcomes</i> , 0, 2, e9933.	1.0	6
74	Holistic understanding of contemporary ecosystems requires integration of data on domesticated, captive and cultivated organisms. <i>Biodiversity Data Journal</i> , 2021, 9, e65371.	0.4	5
75	Towards Interlinked FAIR Biodiversity Knowledge: The BiCIKL perspective. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	5
76	Summary report and strategy recommendations for EU citizen science gateway for biodiversity data. <i>Research Ideas and Outcomes</i> , 0, 2, e11563.	1.0	5
77	Data sharing tools adopted by the European Biodiversity Observation Network Project. <i>Research Ideas and Outcomes</i> , 0, 2, e9390.	1.0	5
78	Towards a scientific workflow featuring Natural Language Processing for the digitisation of natural history collections. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	5
79	Using iNaturalist to monitor adherence to best practices in bat handling. <i>Biodiversity Data Journal</i> , 2021, 9, e68052.	0.4	4
80	BioBlitz is More than a Bit of Fun. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	4
81	Standardised Globally Unique Specimen Identifiers. <i>Biodiversity Information Science and Standards</i> , 0, 2, e26658.	0.0	4
82	Cross-validation of a semantic segmentation network for natural history collection specimens. <i>Machine Vision and Applications</i> , 2022, 33, 1.	1.7	4
83	A botanical demonstration of the potential of linking data using unique identifiers for people. <i>PLoS ONE</i> , 2021, 16, e0261130.	1.1	4
84	R.C. Clarke & M.D. Merlin (2013) “ Cannabis: Evolution and Ethnobotany. <i>Plant Ecology and Evolution</i> , 2014, 147, 149-149.	0.3	3
85	Botanicalcollections.be: The New Virtual Herbarium of Meise Botanic Garden (BR). <i>Biodiversity Information Science and Standards</i> , 0, 2, e26140.	0.0	3
86	Observaci3n confirmada de Oxalis dillenii en Espa±a. <i>Collectanea Botanica</i> , 0, 36, 004.	0.2	3
87	Biodiversity data provision and decision-making - addressing the challenges. <i>Research Ideas and Outcomes</i> , 0, 3, e12165.	1.0	3
88	Site selection by geese in a suburban landscape. <i>PeerJ</i> , 2020, 8, e9846.	0.9	3
89	Native and introduced plants differ in their distribution patterns in southern England. <i>New Journal of Botany</i> , 2011, 1, 48-57.	0.2	2
90	A Data Standard for Dynamic Collection Descriptions. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	2

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91	Using Crowd-curation to Improve Taxon Annotations on the Wikimedia Infrastructure. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	2
92	Unity in Variety: Developing a collection description standard by consensus. <i>Biodiversity Information Science and Standards</i> , 0, 4, .	0.0	2
93	Typification of <i>Oxalis bowiei</i> W.T.Aiton ex G.Don (Oxalidaceae). <i>PhytoKeys</i> , 2019, 119, 23-30.	0.4	2
94	EU BON's contributions towards meeting Aichi Biodiversity Target 19. <i>Research Ideas and Outcomes</i> , 0, 3, e14013.	1.0	2
95	An Evaluation of In-house versus Out-sourced Data Capture at the Meise Botanic Garden (BR). <i>Biodiversity Information Science and Standards</i> , 0, 2, e26514.	0.0	2
96	Advancing the Catalogue of the World's Natural History Collections. <i>Biodiversity Information Science and Standards</i> , 0, 4, .	0.0	2
97	François Malaisse (2010) How to live and survive in Zambebian open forest (Miombo Ecoregion). <i>Plant Ecology and Evolution</i> , 2011, 144, 377-378.	0.3	1
98	Managing a Mass Digitization Project at Meise Botanic Garden: From Start to Finish. <i>Biodiversity Information Science and Standards</i> , 0, 2, e25912.	0.0	1
99	A benchmark survey of the common plants of South Northumberland and Durham, United Kingdom. <i>Biodiversity Data Journal</i> , 2015, 3, e7318.	0.4	1
100	DoeDat, the Crowdsourcing Platform of Meise Botanic Garden. <i>Biodiversity Information Science and Standards</i> , 0, 2, e26803.	0.0	1
101	Liberating Biodiversity Data From COVID-19 Lockdown: Toward a knowledge hub for mammal host-virus information. <i>Biodiversity Information Science and Standards</i> , 0, 4, .	0.0	1
102	How do you Develop a Data Standard? Wikibase might be the Solution. <i>Biodiversity Information Science and Standards</i> , 0, 4, .	0.0	1
103	Real gaps in European bird monitoring: A reply to Voříšek et al.. <i>Biological Conservation</i> , 2018, 225, 247-248.	1.9	0
104	Is Your Collection Ambiguous?. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	0
105	Hacking Infrastructures Together: Towards better interoperability of infrastructures. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	0
106	Estimating the Completeness of Preserved Collections in Representing Global Biodiversity. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	0
107	Open Letter to The American Association for the Advancement of Science. <i>The Winnower</i> , 2014, , .	0.0	0
108	TrIAS, leveraging citizen science data to monitor invasive species in Belgium. <i>Biodiversity Information Science and Standards</i> , 0, 2, e24749.	0.0	0

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109	Towards an Essential Biodiversity Variable for Species Interactions. Biodiversity Information Science and Standards, 0, 2, e25409.	0.0	0
110	Crowdsourcing, is it a good option for your collection digitization?. Biodiversity Information Science and Standards, 0, 2, e25410.	0.0	0
111	A fork in the alphabet soup: DoeDat a multilingual crowdsourcing platform. Biodiversity Information Science and Standards, 0, 2, e25148.	0.0	0
112	Citizen science at the borders of Romance (www.doedat.be). Biodiversity Information Science and Standards, 0, 2, e24991.	0.0	0
113	Opening-up CrÃ©pinâ€™s Rose Herbarium by New Technologies: a Pilot Project. Biodiversity Information Science and Standards, 0, 2, e25792.	0.0	0
114	Uncertain Geo-Uncertainty: Ecological research and public biodiversity data repositories. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
115	Different Approaches between First and Second Mass Digitisation Project for the Herbarium (BR) at Meise Botanic Garden. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
116	LinBi: Linking biodiversity and culture information. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
117	Green Pioneers: Raising awareness of invasive plants for all ages. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
118	Next Steps in Data Capture from Specimen Labels and Data Integration: Lessons learnt from the ICEDIG pilots. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
119	Wikipedia, a Tool for Knowledge Dissemination on Invasive Species. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
120	Progress in Authority Management of People Names for Collections. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
121	Evaluating Methods for Transcribing Specimen Labels. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
122	Uniquely Identifying Collectors of Specimens. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
123	Occurrence Cubes: A new way of aggregating heterogeneous species occurrence data. Biodiversity Information Science and Standards, 0, 4, .	0.0	0
124	Using Global Biodiversity Information Facility Occurrence Data for Automated Invasive Alien Species Risk Mapping. Biodiversity Information Science and Standards, 0, 4, .	0.0	0