

# Quentin J Groom

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90  
papers

2,812  
citations

25  
h-index

52  
g-index

140  
ext. papers

3,569  
ext. citations

4.7  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
90	Global exchange and accumulation of non-native plants. <i>Nature</i> , <b>2015</b> , 525, 100-3	50.4	508
89	rbohA, a rice homologue of the mammalian gp91phox respiratory burst oxidase gene. <i>Plant Journal</i> , <b>1996</b> , 10, 515-22	6.9	269
88	Species richness declines and biotic homogenisation have slowed down for NW-European pollinators and plants. <i>Ecology Letters</i> , <b>2013</b> , 16, 870-8	10	245
87	Naturalized alien flora of the world. <i>Preslia</i> , <b>2017</b> , 89, 203-274	3.9	230
86	Crossing Frontiers in Tackling Pathways of Biological Invasions. <i>BioScience</i> , <b>2015</b> , 65, 769-782	5.7	140
85	The changing role of ornamental horticulture in alien plant invasions. <i>Biological Reviews</i> , <b>2018</b> , 93, 1421-1437	14.37	131
84	The non-photochemical reduction of plastoquinone in leaves. <i>Photosynthesis Research</i> , <b>1993</b> , 36, 205-15	3.7	77
83	The Global Naturalized Alien Flora (GloNAF) database. <i>Ecology</i> , <b>2019</b> , 100, e02542	4.6	75
82	Differential effects of chilling-induced photooxidation on the redox regulation of photosynthetic enzymes. <i>Biochemistry</i> , <b>2000</b> , 39, 6679-88	3.2	70
81	Barbaloin in aloe species. <i>Planta Medica</i> , <b>1987</b> , 53, 345-8	3.1	65
80	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 92-98	5.8	62
79	Alien Pathogens on the Horizon: Opportunities for Predicting their Threat to Wildlife. <i>Conservation Letters</i> , <b>2017</b> , 10, 477-484	6.9	56
78	Analysis of Light-Induced Depressions of Photosynthesis in Leaves of a Wheat Crop during the Winter. <i>Plant Physiology</i> , <b>1992</b> , 100, 1217-23	6.6	53
77	Photoinhibition of holly ( <i>Ilex aquifolium</i> ) in the field during the winter. <i>Physiologia Plantarum</i> , <b>1991</b> , 83, 585-590	4.6	50
76	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> , <b>2015</b> , 6, 215-225	2.2	49
75	Is citizen science an open science in the case of biodiversity observations?. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 612-617	5.8	44
74	Tackling invasive alien species in Europe II: threats and opportunities until 2020. <i>Management of Biological Invasions</i> , <b>2017</b> , 8, 273-286	2.2	36

73	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> , <b>2017</b> , 2017,	5	35
72	Worldwide Engagement for Digitizing Biocollections (WeDigBio): The Biocollections Community's Citizen-Science Space on the Calendar. <i>BioScience</i> , <b>2018</b> , 68, 112-124	5.7	34
71	Some poleward movement of British native vascular plants is occurring, but the fingerprint of climate change is not evident. <i>PeerJ</i> , <b>2013</b> , 1, e77	3.1	33
70	The froh gene family from <i>Arabidopsis thaliana</i> : Putative iron-chelate reductases. <i>Plant and Soil</i> , <b>1997</b> , 196, 245-248	4.2	31
69	INVASIVESNET towards an International Association for Open Knowledge on Invasive Alien Species. <i>Management of Biological Invasions</i> , <b>2016</b> , 7, 131-139	2.2	31
68	Alien flora of Turkey: checklist, taxonomic composition and ecological attributes. <i>NeoBiota</i> , <b>35</b> , 61-85	4.2	30
67	The Bari Manifesto: An interoperability framework for essential biodiversity variables. <i>Ecological Informatics</i> , <b>2019</b> , 49, 22-31	4.2	29
66	Unlocking biodiversity data: Prioritization and filling the gaps in biodiversity observation data in Europe. <i>Biological Conservation</i> , <b>2018</b> , 221, 78-85	6.2	27
65	The flora phenotype ontology (FLOPO): tool for integrating morphological traits and phenotypes of vascular plants. <i>Journal of Biomedical Semantics</i> , <b>2016</b> , 7, 65	2.2	24
64	The importance of open data for invasive alien species research, policy and management. <i>Management of Biological Invasions</i> , <b>2015</b> , 6, 119-125	2.2	23
63	Strategies and guidelines for scholarly publishing of biodiversity data. <i>Research Ideas and Outcomes</i> , <b>3</b> , e12431	2.5	21
62	Seven Recommendations to Make Your Invasive Alien Species Data More Useful. <i>Frontiers in Applied Mathematics and Statistics</i> , <b>2017</b> , 3,	2.2	19
61	Alien futures: What is on the horizon for biological invasions?. <i>Diversity and Distributions</i> , <b>2018</b> , 24, 1149-1157	3.1	18
60	A benchmark dataset of herbarium specimen images with label data. <i>Biodiversity Data Journal</i> , <b>2019</b> , e31817	1.8	17
59	The Biodiversity Informatics Landscape: Elements, Connections and Opportunities. <i>Research Ideas and Outcomes</i> , <b>3</b> , e14059	2.5	16
58	Improving Darwin Core for research and management of alien species. <i>Biodiversity Information Science and Standards</i> , <b>3</b> ,		14
57	Enriched biodiversity data as a resource and service. <i>Biodiversity Data Journal</i> , <b>2014</b> , e1125	1.8	13
56	Empowering Citizens to Inform Decision-Making as a Way Forward to Support Invasive Alien Species Policy. <i>Citizen Science: Theory and Practice</i> , <b>2019</b> , 4,	2.5	12

55	Herbarium specimens reveal the exchange network of British and Irish botanists, 1856-1932. <i>New Journal of Botany</i> , <b>2014</b> , 4, 95-103		11
54	Increasing understanding of alien species through citizen science (Alien-CSI). <i>Research Ideas and Outcomes</i> , <b>2018</b> , 4,	2.5	11
53	Data management: Stable identifiers for collection specimens. <i>Nature</i> , <b>2017</b> , 546, 33	50.4	10
52	Estimation of vascular plant occupancy and its change using kriging. <i>New Journal of Botany</i> , <b>2013</b> , 3, 33-46		10
51	Tracking Invasive Alien Species (TriAS): Building a data-driven framework to inform policy. <i>Research Ideas and Outcomes</i> , <b>2018</b> , 3,	2.5	10
50	Frameworks used in invasion science: progress and prospects. <i>NeoBiota</i> , <b>2020</b> , 62, 1-30	4.2	9
49	A workflow for standardising and integrating alien species distribution data. <i>NeoBiota</i> , <b>2020</b> , 59, 39-59	4.2	8
48	Accumulation of metallothionein transcripts in response to iron, copper and zinc: Metallothionein and metal-chelate reductase. <i>Acta Physiologiae Plantarum</i> , <b>1997</b> , 19, 451-457	2.6	7
47	iNaturalist is an Unexploited Source of Plant-Insect Interaction Data. <i>Biodiversity Information Science and Standards</i> , <b>2018</b> , 3,		7
46	Characterisation of false-positive observations in botanical surveys. <i>PeerJ</i> , <b>2017</b> , 5, e3324	3.1	7
45	Piecing together the biogeographic history of <i>Chenopodium vulvaria</i> L. using botanical literature and collections. <i>PeerJ</i> , <b>2015</b> , 3, e723	3.1	7
44	A protocol for adding knowledge to Wikidata: aligning resources on human coronaviruses. <i>BMC Biology</i> , <b>2021</b> , 19, 12	7.3	7
43	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> , <b>1996</b> , 47, 1019-1024	7.24	6
42	The origin of <i>L. ...</i> . <i>PeerJ</i> , <b>2019</b> , 7, e6384	3.1	6
41	Scientific user requirements for a herbarium data portal. <i>PhytoKeys</i> , <b>2017</b> , 37-57	0.9	5
40	Unifying European Biodiversity Informatics (BioUnify). <i>Research Ideas and Outcomes</i> , <b>2018</b> , 2, e7787	2.5	5
39	SYNTHESYS+ Abridged Grant Proposal. <i>Research Ideas and Outcomes</i> , <b>2018</b> , 5,	2.5	5
38	Metal-gene-interactions in roots: metallothionein-like genes and iron reductases <b>1997</b> , 117-130		5

37	Photoinhibition of holly ( <i>Ilex aquifolium</i> ) in the field during the winter. <i>Physiologia Plantarum</i> , <b>1991</b> , 83, 585-590	4.6	5
36	Improved standardization of transcribed digital specimen data. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	5
35	How to predict fine resolution occupancy from coarse occupancy data. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 2273-2284	7.7	4
34	Using legacy botanical literature as a source of phytogeographical data. <i>Plant Ecology and Evolution</i> , <b>2015</b> , 148, 256-266	1.6	4
33	Summary report and strategy recommendations for EU citizen science gateway for biodiversity data. <i>Research Ideas and Outcomes</i> ,2, e11563	2.5	4
32	Conceptual design blueprint for the DiSSCo digitization infrastructure - DELIVERABLE D8.1. <i>Research Ideas and Outcomes</i> ,6,	2.5	4
31	Landscape Analysis for the Specimen Data Refinery. <i>Research Ideas and Outcomes</i> ,6,	2.5	4
30	People are essential to linking biodiversity data. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2020</b> , 2020,	5	4
29	A protocol for adding knowledge to Wikidata, a case report		3
28	A cost analysis of transcription systems. <i>Research Ideas and Outcomes</i> ,6,	2.5	3
27	Botanicalcollections.be: The New Virtual Herbarium of Meise Botanic Garden (BR). <i>Biodiversity Information Science and Standards</i> ,2, e26140		3
26	Data sharing tools adopted by the European Biodiversity Observation Network Project. <i>Research Ideas and Outcomes</i> ,2, e9390	2.5	3
25	Community engagement: The last mile challenge for European research e-infrastructures. <i>Research Ideas and Outcomes</i> ,2, e9933	2.5	3
24	Zenodo, an Archive and Publishing Repository: A tale of two herbarium specimen pilot projects. <i>Biodiversity Information Science and Standards</i> ,3,		3
23	Towards a scientific workflow featuring Natural Language Processing for the digitisation of natural history collections. <i>Research Ideas and Outcomes</i> ,6,	2.5	3
22	The froh gene family from <i>Arabidopsis thaliana</i> : Putative iron-chelate reductases <b>1997</b> , 191-194		3
21	A checklist recipe: making species data open and FAIR. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2020</b> , 2020,	5	2
20	R.C. Clarke & M.D. Merlin (2013) Cannabis: Evolution and Ethnobotany. <i>Plant Ecology and Evolution</i> , <b>2014</b> , 147, 149-149	1.6	2

19	Native and introduced plants differ in their distribution patterns in southern England. <i>New Journal of Botany</i> , <b>2011</b> , 1, 48-57		2
18	Towards a scientific workflow featuring Natural Language Processing for the digitisation of natural history collections. <i>Research Ideas and Outcomes</i> , <b>6</b> ,	2.5	2
17	Typification of W.T.Aiton ex G.Don (Oxalidaceae). <i>PhytoKeys</i> , <b>2019</b> , 119, 23-30	0.9	2
16	An Evaluation of In-house versus Out-sourced Data Capture at the Meise Botanic Garden (BR). <i>Biodiversity Information Science and Standards</i> , <b>2</b> , e26514		2
15	Biodiversity data provision and decision-making - addressing the challenges. <i>Research Ideas and Outcomes</i> , <b>3</b> , e12165	2.5	2
14	Quality issues in georeferencing: From physical collections to digital data repositories for ecological research. <i>Diversity and Distributions</i> , <b>2021</b> , 27, 564-567	5	2
13	Policy-relevant indicators for invasive alien species assessment and reporting		2
12	Liberating host-virus knowledge from biological dark data. <i>Lancet Planetary Health, The</i> , <b>2021</b> , 5, e746-e750	7.50	2
11	Advancing the Catalogue of the World's Natural History Collections. <i>Biodiversity Information Science and Standards</i> , <b>4</b> ,		1
10	Standardised Globally Unique Specimen Identifiers. <i>Biodiversity Information Science and Standards</i> , <b>2</b> , e26658		1
9	EU BON's contributions towards meeting Aichi Biodiversity Target 19. <i>Research Ideas and Outcomes</i> , <b>3</b> , e14013	2.5	1
8	Observaci3n confirmada de <i>Oxalis dillenii</i> en Espa3a. <i>Collectanea Botanica</i> , <b>36</b> , 004		1
7	A benchmark survey of the common plants of South Northumberland and Durham, United Kingdom. <i>Biodiversity Data Journal</i> , <b>2015</b> , e7318	1.8	1
6	Holistic understanding of contemporary ecosystems requires integration of data on domesticated, captive and cultivated organisms. <i>Biodiversity Data Journal</i> , <b>2021</b> , 9, e65371	1.8	0
5	A botanical demonstration of the potential of linking data using unique identifiers for people.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0261130	3.7	0
4	Real gaps in European bird monitoring: A reply to Vo3rk et al.. <i>Biological Conservation</i> , <b>2018</b> , 225, 247-248.	6.2	
3	TriAS, leveraging citizen science data to monitor invasive species in Belgium. <i>Biodiversity Information Science and Standards</i> , <b>2</b> , e24749		
2	Towards an Essential Biodiversity Variable for Species Interactions. <i>Biodiversity Information Science and Standards</i> , <b>2</b> , e25409		

- 1 Cross-validation of a semantic segmentation network for natural history collection specimens. *Machine Vision and Applications*, **2022**, 33, 1 2.8