

Quentin J Groom

List of Publications by Year in Descending Order

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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	Cross-validation of a semantic segmentation network for natural history collection specimens. <i>Machine Vision and Applications</i> , 2022 , 33, 1	2.8	
89	Holistic understanding of contemporary ecosystems requires integration of data on domesticated, captive and cultivated organisms. <i>Biodiversity Data Journal</i> , 2021 , 9, e65371	1.8	0
88	Quality issues in georeferencing: From physical collections to digital data repositories for ecological research. <i>Diversity and Distributions</i> , 2021 , 27, 564-567	5	2
87	A protocol for adding knowledge to Wikidata: aligning resources on human coronaviruses. <i>BMC Biology</i> , 2021 , 19, 12	7.3	7
86	Liberating host-virus knowledge from biological dark data. <i>Lancet Planetary Health, The</i> , 2021 , 5, e746-e750	7.50	2
85	A botanical demonstration of the potential of linking data using unique identifiers for people.. <i>PLoS ONE</i> , 2021 , 16, e0261130	3.7	0
84	A checklist recipe: making species data open and FAIR. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	2
83	A workflow for standardising and integrating alien species distribution data. <i>NeoBiota</i> , 2020 , 59, 39-59	4.2	8
82	Frameworks used in invasion science: progress and prospects. <i>NeoBiota</i> , 2020 , 62, 1-30	4.2	9
81	People are essential to linking biodiversity data. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	4
80	A benchmark dataset of herbarium specimen images with label data. <i>Biodiversity Data Journal</i> , 2019 , e31817	1.8	17
79	Typification of W.T.Aiton ex G.Don (Oxalidaceae). <i>PhytoKeys</i> , 2019 , 119, 23-30	0.9	2
78	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,	2.5	12
77	The origin of L. <i>PeerJ</i> , 2019 , 7, e6384	3.1	6
76	Improved standardization of transcribed digital specimen data. <i>Database: the Journal of Biological Databases and Curation</i> , 2019 , 2019,	5	5
75	The Bari Manifesto: An interoperability framework for essential biodiversity variables. <i>Ecological Informatics</i> , 2019 , 49, 22-31	4.2	29
74	The Global Naturalized Alien Flora (GloNAF) database. <i>Ecology</i> , 2019 , 100, e02542	4.6	75

73	Unlocking biodiversity data: Prioritization and filling the gaps in biodiversity observation data in Europe. <i>Biological Conservation</i> , 2018 , 221, 78-85	6.2	27
72	The changing role of ornamental horticulture in alien plant invasions. <i>Biological Reviews</i> , 2018 , 93, 1421-1437	14.37	131
71	Alien futures: What is on the horizon for biological invasions?. <i>Diversity and Distributions</i> , 2018 , 24, 1149-1157	157	18
70	Worldwide Engagement for Digitizing Biocollections (WeDigBio): The Biocollections Community's Citizen-Science Space on the Calendar. <i>BioScience</i> , 2018 , 68, 112-124	5.7	34
69	Integrating invasive species policies across ornamental horticulture supply chains to prevent plant invasions. <i>Journal of Applied Ecology</i> , 2018 , 55, 92-98	5.8	62
68	Real gaps in European bird monitoring: A reply to Vořk et al.. <i>Biological Conservation</i> , 2018 , 225, 247-248.	6.2	27
67	How to predict fine resolution occupancy from coarse occupancy data. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 2273-2284	7.7	4
66	Increasing understanding of alien species through citizen science (Alien-CSI). <i>Research Ideas and Outcomes</i> , 2018 , 4,	2.5	11
65	Data management: Stable identifiers for collection specimens. <i>Nature</i> , 2017 , 546, 33	50.4	10
64	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,	5	35
63	Is citizen science an open science in the case of biodiversity observations?. <i>Journal of Applied Ecology</i> , 2017 , 54, 612-617	5.8	44
62	Alien Pathogens on the Horizon: Opportunities for Predicting their Threat to Wildlife. <i>Conservation Letters</i> , 2017 , 10, 477-484	6.9	56
61	Seven Recommendations to Make Your Invasive Alien Species Data More Useful. <i>Frontiers in Applied Mathematics and Statistics</i> , 2017 , 3,	2.2	19
60	Naturalized alien flora of the world. <i>Preslia</i> , 2017 , 89, 203-274	3.9	230
59	Tackling invasive alien species in Europe II: threats and opportunities until 2020. <i>Management of Biological Invasions</i> , 2017 , 8, 273-286	2.2	36
58	Scientific user requirements for a herbarium data portal. <i>PhytoKeys</i> , 2017 , 37-57	0.9	5
57	Characterisation of false-positive observations in botanical surveys. <i>PeerJ</i> , 2017 , 5, e3324	3.1	7
56	INVASIVESNET towards an International Association for Open Knowledge on Invasive Alien Species. <i>Management of Biological Invasions</i> , 2016 , 7, 131-139	2.2	31

55	The flora phenotype ontology (FLOPO): tool for integrating morphological traits and phenotypes of vascular plants. <i>Journal of Biomedical Semantics</i> , 2016 , 7, 65	2.2	24
54	Crossing Frontiers in Tackling Pathways of Biological Invasions. <i>BioScience</i> , 2015 , 65, 769-782	5.7	140
53	Global exchange and accumulation of non-native plants. <i>Nature</i> , 2015 , 525, 100-3	50.4	508
52	Using legacy botanical literature as a source of phytogeographical data. <i>Plant Ecology and Evolution</i> , 2015 , 148, 256-266	1.6	4
51	The importance of open data for invasive alien species research, policy and management. <i>Management of Biological Invasions</i> , 2015 , 6, 119-125	2.2	23
50	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	2.2	49
49	Piecing together the biogeographic history of <i>Chenopodium vulvaria</i> L. using botanical literature and collections. <i>PeerJ</i> , 2015 , 3, e723	3.1	7
48	A benchmark survey of the common plants of South Northumberland and Durham, United Kingdom. <i>Biodiversity Data Journal</i> , 2015 , e7318	1.8	1
47	R.C. Clarke & M.D. Merlin (2013) <i>Cannabis: Evolution and Ethnobotany</i> . <i>Plant Ecology and Evolution</i> , 2014 , 147, 149-149	1.6	2
46	Herbarium specimens reveal the exchange network of British and Irish botanists, 1856-1932. <i>New Journal of Botany</i> , 2014 , 4, 95-103		11
45	Enriched biodiversity data as a resource and service. <i>Biodiversity Data Journal</i> , 2014 , e1125	1.8	13
44	Species richness declines and biotic homogenisation have slowed down for NW-European pollinators and plants. <i>Ecology Letters</i> , 2013 , 16, 870-8	10	245
43	Estimation of vascular plant occupancy and its change using kriging. <i>New Journal of Botany</i> , 2013 , 3, 33-46		10
42	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	3.1	33
41	Native and introduced plants differ in their distribution patterns in southern England. <i>New Journal of Botany</i> , 2011 , 1, 48-57		2
40	Differential effects of chilling-induced photooxidation on the redox regulation of photosynthetic enzymes. <i>Biochemistry</i> , 2000 , 39, 6679-88	3.2	70
39	The froh gene family from <i>Arabidopsis thaliana</i> : Putative iron-chelate reductases. <i>Plant and Soil</i> , 1997 , 196, 245-248	4.2	31
38	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	2.6	7

37	Metal-gene-interactions in roots: metallothionein-like genes and iron reductases 1997 , 117-130		5
36	The froh gene family from <i>Arabidopsis thaliana</i> : Putative iron-chelate reductases 1997 , 191-194		3
35	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	7	6
34	rbohA, a rice homologue of the mammalian gp91phox respiratory burst oxidase gene. <i>Plant Journal</i> , 1996 , 10, 515-22	6.9	269
33	The non-photochemical reduction of plastoquinone in leaves. <i>Photosynthesis Research</i> , 1993 , 36, 205-15	3.7	77
32	Analysis of Light-Induced Depressions of Photosynthesis in Leaves of a Wheat Crop during the Winter. <i>Plant Physiology</i> , 1992 , 100, 1217-23	6.6	53
31	Photoinhibition of holly (<i>Ilex aquifolium</i>) in the field during the winter. <i>Physiologia Plantarum</i> , 1991 , 83, 585-590	4.6	50
30	Photoinhibition of holly (<i>Ilex aquifolium</i>) in the field during the winter. <i>Physiologia Plantarum</i> , 1991 , 83, 585-590	4.6	5
29	Barbaloin in aloe species. <i>Planta Medica</i> , 1987 , 53, 345-8	3.1	65
28	A protocol for adding knowledge to Wikidata, a case report		3
27	Towards a scientific workflow featuring Natural Language Processing for the digitisation of natural history collections. <i>Research Ideas and Outcomes</i> ,6,	2.5	2
26	A cost analysis of transcription systems. <i>Research Ideas and Outcomes</i> ,6,	2.5	3
25	Advancing the Catalogue of the World's Natural History Collections. <i>Biodiversity Information Science and Standards</i> ,4,		1
24	Botanicalcollections.be: The New Virtual Herbarium of Meise Botanic Garden (BR). <i>Biodiversity Information Science and Standards</i> ,2, e26140		3
23	Standardised Globally Unique Specimen Identifiers. <i>Biodiversity Information Science and Standards</i> ,2, e26658		1
22	iNaturalist is an Unexploited Source of Plant-Insect Interaction Data. <i>Biodiversity Information Science and Standards</i> ,3,		7
21	Improving Darwin Core for research and management of alien species. <i>Biodiversity Information Science and Standards</i> ,3,		14
20	Alien flora of Turkey: checklist, taxonomic composition and ecological attributes. <i>NeoBiota</i> ,35, 61-85	4.2	30

19	Summary report and strategy recommendations for EU citizen science gateway for biodiversity data. <i>Research Ideas and Outcomes</i> ,2, e11563	2.5	4
18	Unifying European Biodiversity Informatics (BioUnify). <i>Research Ideas and Outcomes</i> ,2, e7787	2.5	5
17	Data sharing tools adopted by the European Biodiversity Observation Network Project. <i>Research Ideas and Outcomes</i> ,2, e9390	2.5	3
16	Community engagement: The last mile challenge for European research e-infrastructures. <i>Research Ideas and Outcomes</i> ,2, e9933	2.5	3
15	Strategies and guidelines for scholarly publishing of biodiversity data. <i>Research Ideas and Outcomes</i> ,3, e12431	2.5	21
14	Tracking Invasive Alien Species (TriAS): Building a data-driven framework to inform policy. <i>Research Ideas and Outcomes</i> ,3,	2.5	10
13	EU BON contributions towards meeting Aichi Biodiversity Target 19. <i>Research Ideas and Outcomes</i> ,3, e14013	2.5	1
12	The Biodiversity Informatics Landscape: Elements, Connections and Opportunities. <i>Research Ideas and Outcomes</i> ,3, e14059	2.5	16
11	SYNTHESYS+ Abridged Grant Proposal. <i>Research Ideas and Outcomes</i> ,5,	2.5	5
10	Conceptual design blueprint for the DiSSCo digitization infrastructure - DELIVERABLE D8.1. <i>Research Ideas and Outcomes</i> ,6,	2.5	4
9	Landscape Analysis for the Specimen Data Refinery. <i>Research Ideas and Outcomes</i> ,6,	2.5	4
8	Observaci3n confirmada de Oxalis dillenii en Espa3a. <i>Collectanea Botanica</i> ,36, 004		1
7	TriAS, leveraging citizen science data to monitor invasive species in Belgium. <i>Biodiversity Information Science and Standards</i> ,2, e24749		
6	Towards an Essential Biodiversity Variable for Species Interactions. <i>Biodiversity Information Science and Standards</i> ,2, e25409		
5	An Evaluation of In-house versus Out-sourced Data Capture at the Meise Botanic Garden (BR). <i>Biodiversity Information Science and Standards</i> ,2, e26514		2
4	Zenodo, an Archive and Publishing Repository: A tale of two herbarium specimen pilot projects. <i>Biodiversity Information Science and Standards</i> ,3,		3
3	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
2	Biodiversity data provision and decision-making - addressing the challenges. <i>Research Ideas and Outcomes</i> ,3, e12165	2.5	2

1 Policy-relevant indicators for invasive alien species assessment and reporting

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