Glen Riethmuller

List of Publications by Year
in descending order

19	769	687220 13	794469 19
papers	citations	h-index	g-index

19	19	19	1226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ecophysiology of seed persistence: a mechanistic view of the journey to germination or demise. Biological Reviews, 2015, 90, 31-59.	4.7	350
2	Herbicide resistance modelling: past, present and future. Pest Management Science, 2014, 70, 1394-1404.	1.7	63
3	Does cutting herbicide rates threaten the sustainability of weed management in cropping systems?. Journal of Theoretical Biology, 2011, 283, 14-27.	0.8	56
4	Modelling crop-weed competition: Why, what, how and what lies ahead?. Crop Protection, 2017, 95, 101-108.	1.0	42
5	Habitat restoration will help some functional plant types persist under climate change in fragmented landscapes. Global Change Biology, 2012, 18, 2057-2070.	4.2	37
6	The Land Use Sequence Optimiser (LUSO): A theoretical framework for analysing crop sequences in response to nitrogen, disease and weed populations. Crop and Pasture Science, 2010, 61, 835.	0.7	32
7	Shifting focus from the population to the individual as a way forward in understanding, predicting and managing the complexities of evolution of resistance to pesticides. Pest Management Science, 2013, 69, 171-175.	1.7	27
8	Orientation and speed of wind gusts causing abscission of windâ€dispersed seeds influences dispersal distance. Functional Ecology, 2014, 28, 973-981.	1.7	22
9	Using logâ€“log scaling slope analysis for determining the contributions to variability in biological variables such as leaf mass per area: why it works, when it works and how it can be extended. New Phytologist, 2011, 190, 5-8.	3.5	21
10	Modelling seagrass growth and development to evaluate transplanting strategies for restoration. Annals of Botany, 2011, 108, 1213-1223.	1.4	20
11	How do spatial heterogeneity and dispersal in weed population models affect predictions of herbicide resistance evolution?. Ecological Modelling, 2017, 362, 37-53.	1.2	20
12	How much detail and accuracy is required in plant growth sub-models to address questions about optimal management strategies in agricultural systems?. AoB PLANTS, 2011, 2011, plr006.	1.2	16
13	Sesquiterpene Variation in West Australian Sandalwood (Santalum spicatum). Molecules, 2017, 22, 940.	1.7	14
14	Rotating and stacking genes can improve crop resistance durability while potentially selecting highly virulent pathogen strains. Scientific Reports, 2020, 10, 19752.	1.6	13
15	Growth and carbon sequestration by remnant Eucalyptus camaldulensis woodlands in semi-arid Australia during La NiÃ±a conditions. Agricultural and Forest Meteorology, 2017, 232, 704-710.	1.9	11
16	Vegetation patterns and hydroâ€geological drivers of freshwater rock pool communities in the monsoonâ€tropical Kimberley region, Western Australia. Journal of Vegetation Science, 2015, 26, 1184-1197.	1.1	10
17	Describing and mapping diversity and accessibility of the urban food environment with open data and tools. Applied Geography, 2020, 125, 102352.	1.7	7
18	Weed Seed Wizard: A tool that demonstrates the value of integrated weed management tactics such as harvest weed seed destruction. Computers and Electronics in Agriculture, 2018, 147, 27-33.	3.7	5

#	Article	IF	Citations
19	Novel reference transcriptomes for the sponges Carteriospongia foliascens and Cliona orientalis and associated algal symbiont Gerakladium endoclionum. Coral Reefs, 2021, 40, 9-13.	0.9	3