Aaron T Simmons

List of Publications by Year
in descending order

25 papers	838 citations	687363 13 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	985 citing authors

#	Article	IF	Citations
1	Trichomes of Lycopersicon species and their hybrids: effects on pests and natural enemies. Agricultural and Forest Entomology, 2005, 7, 265-276.	1.3	200
2	Attract and reward: combining chemical ecology and habitat manipulation to enhance biological control in field crops. Journal of Applied Ecology, 2011, 48, 580-590.	4.0	103
3	Insect attraction to synthetic herbivore-induced plant volatile-treated field crops. Agricultural and Forest Entomology, 2011, 13, 45-57.	1.3	70
4	Entrapment of Helicoverpa armigera (Hubner) (Lepidoptera: Noctuidae) on glandular trichomes of Lycopersicon species. Australian Journal of Entomology, 2004, 43, 196-200.	1.1	63
5	Trichomes of Lycopersicon spp. and their effect on Myzus persicae (Sulzer) (Hemiptera: Aphididae). Australian Journal of Entomology, 2003, 42, 373-378.	1.1	54
6	Relationship between environmental and land-use variables on soil carbon levels at the regional scale in central New South Wales, Australia. Soil Research, 2013, 51, 645.	1.1	52
7	Field evaluation of the â€˜attract and rewardâ€™ biological control approach in vineyards. Annals of Applied Biology, 2011, 159, 69-78.	2.5	45
8	Trichome-based host plant resistance of Lycopersicon species and the biocontrol agent Mallada signata: are they compatible?. Entomologia Experimentalis Et Applicata, 2004, 113, 95-101.	1.4	41
9	The influence of land use and management on soil carbon levels for crop-pasture systems in Central New South Wales, Australia. Agriculture, Ecosystems and Environment, 2014, 196, 147-157.	5.3	38
10	Soil carbon market-based instrument pilot â€“ the sequestration of soil organic carbon for the purpose of obtaining carbon credits. Soil Research, 2021, 59, 12.	1.1	21
11	Resistance of wild Lycopersicon species to the potato moth, Phthorimaea operculella (Zeller) (Lepidoptera: Gelechiidae). Australian Journal of Entomology, 2006, 45, 81-86.	1.1	16
12	Mapping future soil carbon change and its uncertainty in croplands using simple surrogates of a complex farming system model. Geoderma, 2019, 337, 311-321.	5.1	16
13	Trichome characteristics of F1 Lycopersicon esculentum Ã— L. cheesmanii f. minor and L. esculentum Ã— L. pennellii hybrids and effects on Myzus persicae. Euphytica, 2005, 144, 313-320.	1.2	15
14	Effect of methodological choice on the estimated impacts of wool production and the significance for LCA-based rating systems. International Journal of Life Cycle Assessment, 2019, 24, 848-855.	4.7	15
15	Cradle-to-farmgate greenhouse gas emissions for 2-year wheat monoculture and break cropâ€“wheat sequences in south-eastern Australia. Crop and Pasture Science, 2016, 67, 812.	1.5	13
16	Trichomes of Lycopersicon species and their hybrids: effects on pests and natural enemies. Agricultural and Forest Entomology, 2006, 8, 1-11.	1.3	10
17	Pyrolysis of invasive woody vegetation for energy and biochar has climate change mitigation potential. Science of the Total Environment, 2021, 770, 145278.	8.0	10
18	Comment on â€œSoil organic stocks are systematically overestimated by misuse of the parameters bulk density and rock fragment contentâ€•by Poeplau et al.Â(2017). Soil, 2018, 4, 169-171.	4.9	9

#	Article	IF	Citations
19	Unexpected increases in soil carbon eventually fell in low rainfall farming systems. Journal of Environmental Management, 2020, 261, 110192.	7.8	9
20	Climate change mitigation for Australian wheat production. Science of the Total Environment, 2020, 725, 138260.	8.0	9
21	Rubidium labelling demonstrates movement of predators from native vegetation to cotton. Biocontrol Science and Technology, 2011, 21, 1143-1146.	1.3	8
22	The environmental consequences of a change in Australian cotton lint production. International Journal of Life Cycle Assessment, 2021, 26, 2321-2338.	4.7	7
23	Life cycle inventories for the Australian grains sector. Crop and Pasture Science, 2019, 70, 575.	1.5	6
24	The effect on the biological control agent Mallada signata of trichomes of F1 Lycopersicon esculentumÃ—L. cheesmanii f. minor and L. esculentumÃ—L. pennellii hybrids. Biological Control, 2006, 38, 174-178.	3.0	5
25	Making waves â€“ Are water scarcity footprints of irrigated agricultural commodities suitable to inform consumer decisions?. Agricultural Water Management, 2022, 268, 107689.	5.6	3