Patricia Fraser

List of Publications by Year
in descending order

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33 papers	1,076 citations	471509 17 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	908 citing authors

#	Article	IF	Citations
1	Lysimeters Without Edge Flow: An Improved Design and Sampling Procedure. Soil Science Society of America Journal, 1992, 56, 1625-1628.	2.2	188
2	Lysimeter study of the fate of nitrogen in animal urine returns to irrigated pasture. European Journal of Soil Science, 1994, 45, 439-447.	3.9	112
3	Earthworm species, population size and biomass under different cropping systems across the Canterbury Plains, New Zealand. Applied Soil Ecology, 1996, 3, 49-57.	4.3	86
4	The effects of three earthworm species on soil macroporosity and hydraulic conductivity. Applied Soil Ecology, 1998, 10, 11-19.	4.3	79
5	Effects of pasture improvement and intensive cultivation on microbial biomass, enzyme activities, and composition and size of earthworm populations. Biology and Fertility of Soils, 1994, 17, 185-190.	4.3	66
6	Winter Nitrate Leaching under Different Tillage and Winter Cover Crop Management Practices. Soil Science Society of America Journal, 2013, 77, 1391-1401.	2.2	58
7	Sources of variability in the effectiveness of winter cover crops for mitigating N leaching. Agriculture, Ecosystems and Environment, 2016, 220, 226-235.	5.3	48
8	A comparison of aggregate stability and biological activity in earthworm casts and uningested soil as affected by amendment with wheat or lucerne straw. European Journal of Soil Science, 1998, 49, 629-636.	3.9	44
9	Casts of Aporrectodea caliginosa (Savigny) and Lumbricus rubellus (Hoffmeister) differ in microbial activity, nutrient availability and aggregate stabilityThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 882-887.	1.2	38
10	The fate of potassium, calcium, and magnesium in simulated urine patches on irrigated dairy pasture soil. New Zealand Journal of Agricultural Research, 1998, 41, 117-124.	1.6	35
11	Influence of summer irrigation on soil invertebrate populations in a long-term sheep irrigation trial at Winchmore (Canterbury). New Zealand Journal of Agricultural Research, 2012, 55, 165-180.	1.6	34
12	Factors associated with stem base and root diseases of New Zealand wheat and barley crops. Australasian Plant Pathology, 2006, 35, 391.	1.0	32
13	The burrowing characteristics of three common earthworm species. Soil Research, 2001, 39, 1453.	1.1	29
14	Management Effects on Barley Straw Decomposition, Nitrogen Release, and Crop Production. Soil Science Society of America Journal, 2002, 66, 848-856.	2.2	26
15	Soil organic matter as influenced by straw management practices and inclusion of grass and clover seed crops in cereal rotations. Soil Research, 2003, 41, 95.	1.1	25
16	The effects of cereal straw management practices on lumbricid earthworm populations. Applied Soil Ecology, 1998, 9, 369-373.	4.3	18
17	Interactions between earthworms (Aporrectodea caliginosa), plants and crop residues for restoring properties of a degraded arable soilThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 870-876.	1.2	18
18	Effects of irrigation intensity on preferential solute transport in a stony soil. New Zealand Journal of Agricultural Research, 2016, 59, 141-155.	1.6	18

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19	Invertebrate survey of a modified native shrubland, Brookdale Covenant, Rock and Pillar Range, Otago, New Zealand. New Zealand Journal of Zoology, 2001, 28, 273-290.	1.1	17
20	Loss of soil organic matter following cultivation of long-term pasture: effects on major exchangeable cations and cation exchange capacity. Soil Research, 2015, 53, 377.	1.1	17
21	Tillage, compaction and wetting effects on NO3, N2O and N2 losses. Soil Research, 2019, 57, 670.	1.1	16
22	Temporal Changes in Soil Surface Elevation under Different Tillage Systems. Soil Science Society of America Journal, 2010, 74, 1743-1749.	2.2	12
23	Predicting soil pH changes in response to application of urea and sheep urine. Journal of Environmental Quality, 2020, 49, 1445-1452.	2.0	11
24	Casts of Aporrectodea caliginosa (Savigny) and Lumbricus rubellus (Hoffmeister) differ in microbial activity, nutrient availability and aggregate stability. Pedobiologia, 2003, 47, 882-887.	1.2	9
25	Management Effects on Barley Straw Decomposition, Nitrogen Release, and Crop Production. Soil Science Society of America Journal, 2002, 66, 848.	2.2	9
26	Alleviation of take-all in wheat by the earthworm Aporrectodea caliginosa (Savigny). Applied Soil Ecology, 2015, 90, 18-25.	4.3	8
27	Intensification of pastoral systems influences earthworm populations. New Zealand Journal of Agricultural Research, 2017, 60, 423-436.	1.6	6
28	A comparison of the effects of subsoiling on plant uptake and leaching losses of sulphur and nitrogen from a simulated urine patch. Plant and Soil, 1993, 155-156, 375-378.	3.7	5
29	Interactions between earthworms (Aporrectodea caliginosa), plants and crop residues for restoring properties of a degraded arable soil. Pedobiologia, 2003, 47, 870-876.	1.2	4
30	Relationship between earthworm abundance, ecological diversity and soil function in pastures. Soil Research, 2021, 59, 767-777.	1.1	3
31	Earthworm population size and composition, and microbial biomass: Effect â€" of pastoral and arable management in Canterbury, New Zealand. , 1995, , 279-285.		3
32	Earthworms for inclusion as an indicator of soil biological health in New Zealand pastures. New Zealand Journal of Agricultural Research, 2023, 66, 208-223.	1.6	2
33	A comparison of the effects of subsoiling on plant uptake and leaching losses of sulphur and nitrogen from a simulated urine patch. , 1993, , 495-498.		0