

Rich McDowell

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

10,079
citations

38742

50
h-index

49909

87
g-index

256
all docs

256
docs citations

256
times ranked

7932
citing authors

#	ARTICLE	IF	CITATIONS
1	Global change pressures on soils from land use and management. <i>Global Change Biology</i> , 2016, 22, 1008-1028.	9.5	605
2	Approximating Phosphorus Release from Soils to Surface Runoff and Subsurface Drainage. <i>Journal of Environmental Quality</i> , 2001, 30, 508-520.	2.0	408
3	Dissolved Organic Matter. <i>Advances in Agronomy</i> , 2011, 110, 1-75.	5.2	405
4	Phosphorus loss from land to water: integrating agricultural and environmental management. <i>Plant and Soil</i> , 2001, 237, 287-307.	3.7	327
5	Biogeochemical cycles and biodiversity as key drivers of ecosystem services provided by soils. <i>Soil</i> , 2015, 1, 665-685.	4.9	249
6	Managing agricultural phosphorus for water quality protection: principles for progress. <i>Plant and Soil</i> , 2011, 349, 169-182.	3.7	226
7	Amounts, Forms, and Solubility of Phosphorus in Soils Receiving Manure. <i>Soil Science Society of America Journal</i> , 2004, 68, 2048-2057.	2.2	223
8	Integrating legacy soil phosphorus into sustainable nutrient management strategies for future food, bioenergy and water security. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 104, 393-412.	2.2	199
9	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2001, 59, 269-284.	2.2	160
10	Soil controls of phosphorus in runoff: Management barriers and opportunities. <i>Canadian Journal of Soil Science</i> , 2011, 91, 329-338.	1.2	154
11	Assessing Site Vulnerability to Phosphorus Loss in an Agricultural Watershed. <i>Journal of Environmental Quality</i> , 2001, 30, 2026-2036.	2.0	148
12	Phosphorus Export from an Agricultural Watershed: Linking Source and Transport Mechanisms. <i>Journal of Environmental Quality</i> , 2001, 30, 1587-1595.	2.0	146
13	Connecting phosphorus loss from agricultural landscapes to surface water quality. <i>Chemistry and Ecology</i> , 2004, 20, 1-40.	1.6	138
14	Nutrient management in New Zealand pasturesâ€™ recent developments and future issues. <i>New Zealand Journal of Agricultural Research</i> , 2007, 50, 181-201.	1.6	130
15	Phosphorus solubility and release kinetics as a function of soil test P concentration. <i>Geoderma</i> , 2003, 112, 143-154.	5.1	124
16	Phosphorus losses in subsurface flow before and after manure application to intensively farmed land. <i>Science of the Total Environment</i> , 2001, 278, 113-125.	8.0	123
17	RELATIONSHIP BETWEEN SOIL TEST PHOSPHORUS AND PHOSPHORUS RELEASE TO SOLUTION. <i>Soil Science</i> , 2001, 166, 137-149.	0.9	119
18	Using organic phosphorus to sustain pasture productivity: A perspective. <i>Geoderma</i> , 2014, 221-222, 11-19.	5.1	111

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19	Development of a model using matter element, AHP and GIS techniques to assess the suitability of land for agriculture. <i>Geoderma</i> , 2019, 352, 80-95.	5.1	110
20	Estimating phosphorus loss from New Zealand grassland soils. <i>New Zealand Journal of Agricultural Research</i> , 2004, 47, 137-145.	1.6	106
21	The phosphorus composition of contrasting soils in pastoral, native and forest management in Otago, New Zealand: Sequential extraction and ³¹ P NMR. <i>Geoderma</i> , 2006, 130, 176-189.	5.1	102
22	An Examination of Spin-Lattice Relaxation Times for Analysis of Soil and Manure Extracts by Liquid State Phosphorus-31 Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Environmental Quality</i> , 2006, 35, 293-302.	2.0	101
23	Phosphorus Movement and Speciation in a Sandy Soil Profile after Long-Term Animal Manure Applications. <i>Journal of Environmental Quality</i> , 2007, 36, 305-315.	2.0	101
24	Organic phosphorus speciation and pedogenesis: analysis by solution ³¹ P nuclear magnetic resonance spectroscopy. <i>European Journal of Soil Science</i> , 2007, 58, 1348-1357.	3.9	84
25	SOLID-STATE FOURIER TRANSFORM INFRARED AND ³¹ P NUCLEAR MAGNETIC RESONANCE SPECTRAL FEATURES OF PHOSPHATE COMPOUNDS. <i>Soil Science</i> , 2007, 172, 501-515.	0.9	82
26	When experts disagree: the need to rethink indicator selection for assessing sustainability of agriculture. <i>Environment, Development and Sustainability</i> , 2017, 19, 1327-1342.	5.0	82
27	Variation of phosphorus leached from Pennsylvanian soils amended with manures, composts or inorganic fertilizer. <i>Agriculture, Ecosystems and Environment</i> , 2004, 102, 17-27.	5.3	81
28	Managing Diffuse Phosphorus at the Source versus at the Sink. <i>Environmental Science & Technology</i> , 2018, 52, 11995-12009.	10.0	78
29	Water quality and the effects of different pastoral animals. <i>New Zealand Veterinary Journal</i> , 2008, 56, 289-296.	0.9	76
30	A Review of the Cost-Effectiveness and Suitability of Mitigation Strategies to Prevent Phosphorus Loss from Dairy Farms in New Zealand and Australia. <i>Journal of Environmental Quality</i> , 2012, 41, 680-693.	2.0	76
31	Phosphorus in Fresh and Dry Dung of Grazing Dairy Cattle, Deer, and Sheep. <i>Journal of Environmental Quality</i> , 2005, 34, 598-607.	2.0	74
32	Nitrogen and phosphorus in New Zealand streams and rivers: Control and impact of eutrophication and the influence of land management. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2009, 43, 985-995.	2.0	74
33	A review of the policies and implementation of practices to decrease water quality impairment by phosphorus in New Zealand, the UK, and the US. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 104, 289-305.	2.2	73
34	Effects of cattle, sheep and deer grazing on soil physical quality and losses of phosphorus and suspended sediment losses in surface runoff. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 264-272.	5.3	69
35	Title is missing!. <i>Aquatic Geochemistry</i> , 2001, 7, 255-265.	1.3	68
36	Sources of Phosphorus Lost from a Grazed Pasture Receiving Simulated Rainfall. <i>Journal of Environmental Quality</i> , 2007, 36, 1281-1288.	2.0	66

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37	Municipal composts reduce the transfer of Cd from soil to vegetables. <i>Environmental Pollution</i> , 2016, 213, 8-15.	7.5	62
38	Phosphorus Transport in Overland Flow in Response to Position of Manure Application. <i>Journal of Environmental Quality</i> , 2002, 31, 217-227.	2.0	61
39	Treatment of Drainage Water with Industrial By-Products to Prevent Phosphorus Loss from Tile-Drained Land. <i>Journal of Environmental Quality</i> , 2008, 37, 1575-1582.	2.0	61
40	Soil phosphorus fractions in solution: influence of fertiliser and manure, filtration and method of determination. <i>Chemosphere</i> , 2001, 45, 737-748.	8.2	60
41	Using Soil Phosphorus Profile Data to Assess Phosphorus Leaching Potential in Manured Soils. <i>Soil Science Society of America Journal</i> , 2003, 67, 215-224.	2.2	59
42	Predicting the changes in environmentally and agronomically significant phosphorus forms following the cessation of phosphorus fertilizer applications to grassland. <i>Soil Use and Management</i> , 2012, 28, 135-147.	4.9	58
43	The effect of antecedent moisture conditions on sediment and phosphorus loss during overland flow: Mahantango Creek catchment, Pennsylvania, USA. <i>Hydrological Processes</i> , 2002, 16, 3037-3050.	2.6	57
44	Influence of soil treading on sediment and phosphorus losses in overland flow. <i>Soil Research</i> , 2003, 41, 949.	1.1	57
45	Optimizing land use for the delivery of catchment ecosystem services. <i>Frontiers in Ecology and the Environment</i> , 2016, 14, 325-332.	4.0	57
46	Chemical nature and potential mobility of phosphorus in fertilized grassland soils. <i>Nutrient Cycling in Agroecosystems</i> , 2000, 57, 225-233.	2.2	56
47	Influence of soil constituents on soil phosphorus sorption and desorption. <i>Communications in Soil Science and Plant Analysis</i> , 2001, 32, 2531-2547.	1.4	56
48	Land use and flow regime effects on phosphorus chemical dynamics in the fluvial sediment of the Winooski River, Vermont. <i>Ecological Engineering</i> , 2002, 18, 477-487.	3.6	55
49	INNOVATIVE MANAGEMENT OF AGRICULTURAL PHOSPHORUS TO PROTECT SOIL AND WATER RESOURCES. <i>Communications in Soil Science and Plant Analysis</i> , 2001, 32, 1071-1100.	1.4	54
50	OVERSEER® nutrient budgets - moving towards on-farm resource accounting. <i>Proceedings of the New Zealand Grassland Association</i> , 0, , 191-194.	0.0	54
51	Soil phosphorus quantity-intensity relationships to predict increased soil phosphorus loss to overland and subsurface flow. <i>Chemosphere</i> , 2002, 48, 679-687.	8.2	53
52	Microbiome innovations for a sustainable future. <i>Nature Microbiology</i> , 2021, 6, 138-142.	18.3	53
53	Potential phosphorus losses in overland flow from pastoral soils receiving long-term applications of either superphosphate or reactive phosphate rock. <i>New Zealand Journal of Agricultural Research</i> , 2003, 46, 329-337.	1.6	52
54	Uptake and Release of Phosphorus from Overland Flow in a Stream Environment. <i>Journal of Environmental Quality</i> , 2003, 32, 937-948.	2.0	52

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55	Particulate Phosphorus Transport within Stream Flow of an Agricultural Catchment. <i>Journal of Environmental Quality</i> , 2004, 33, 2111-2121.	2.0	52
56	Cattle treading and phosphorus and sediment loss in overland flow from grazed cropland. <i>Soil Research</i> , 2003, 41, 1521.	1.1	52
57	Soil phosphorus concentrations to minimise potential P loss to surface waters in Southland. <i>New Zealand Journal of Agricultural Research</i> , 2003, 46, 239-253.	1.6	51
58	Modification of phosphorus export from an eastern USA catchment by fluvial sediment and phosphorus inputs. <i>Agriculture, Ecosystems and Environment</i> , 2003, 99, 187-199.	5.3	50
59	Nitrate and phosphorus leaching in New Zealand: a national perspective. <i>New Zealand Journal of Agricultural Research</i> , 2013, 56, 49-59.	1.6	50
60	Chemical Nature and Diversity of Phosphorus in New Zealand Pasture Soils Using ³¹ P Nuclear Magnetic Resonance Spectroscopy and Sequential Fractionation. <i>Nutrient Cycling in Agroecosystems</i> , 2005, 72, 241-254.	2.2	49
61	Global mapping of freshwater nutrient enrichment and periphyton growth potential. <i>Scientific Reports</i> , 2020, 10, 3568.	3.3	49
62	The land use suitability concept: Introduction and an application of the concept to inform sustainable productivity within environmental constraints. <i>Ecological Indicators</i> , 2018, 91, 212-219.	6.3	48
63	Transforming soil phosphorus fertility management strategies to support the delivery of multiple ecosystem services from agricultural systems. <i>Science of the Total Environment</i> , 2019, 649, 90-98.	8.0	48
64	Mechanisms of phosphorus solubilisation in a limed soil as a function of pH. <i>Chemosphere</i> , 2003, 51, 685-692.	8.2	46
65	Peak assignments for phosphorus-31 nuclear magnetic resonance spectroscopy in pH range 5-13 and their application in environmental samples. <i>Chemistry and Ecology</i> , 2005, 21, 211-226.	1.6	46
66	Identifying critical source areas for water quality: 2. Validating the approach for phosphorus and sediment losses in grazed headwater catchments. <i>Journal of Hydrology</i> , 2009, 379, 68-80.	5.4	45
67	Natural background and anthropogenic contributions of cadmium to New Zealand soils. <i>Agriculture, Ecosystems and Environment</i> , 2013, 165, 80-87.	5.3	45
68	Establishment of reference or baseline conditions of chemical indicators in New Zealand streams and rivers relative to present conditions. <i>Marine and Freshwater Research</i> , 2013, 64, 387.	1.3	45
69	A National Assessment of the Potential Linkage between Soil, and Surface and Groundwater Concentrations of Phosphorus. <i>Journal of the American Water Resources Association</i> , 2015, 51, 992-1002.	2.4	45
70	A review of regulations and guidelines related to winter manure application. <i>Ambio</i> , 2018, 47, 657-670.	5.5	45
71	Indicator To Predict the Movement of Phosphorus from Soil to Subsurface Flow. <i>Environmental Science & Technology</i> , 2002, 36, 1505-1509.	10.0	43
72	Variation of phosphorus loss from a small Catchment in south Devon, UK. <i>Agriculture, Ecosystems and Environment</i> , 2000, 79, 143-157.	5.3	42

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73	Identifying critical source areas for water quality: 1. Mapping and validating transport areas in three headwater catchments in Otago, New Zealand. <i>Journal of Hydrology</i> , 2009, 379, 54-67.	5.4	42
74	Alternative fertilisers and management to decrease incidental phosphorus loss. <i>Environmental Chemistry Letters</i> , 2005, 2, 169-174.	16.2	41
75	A Comparison of Phosphorus Speciation and Potential Bioavailability in Feed and Feces of Different Dairy Herds Using ³¹ P Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Environmental Quality</i> , 2008, 37, 741-752.	2.0	41
76	Assessing the bioavailability of dissolved organic phosphorus in pasture and cultivated soils treated with different rates of nitrogen fertiliser. <i>Soil Biology and Biochemistry</i> , 2006, 38, 61-70.	8.8	40
77	Anthropogenic increases of catchment nitrogen and phosphorus loads in New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2018, 52, 336-361.	2.0	40
78	The effect of soil acidity on potentially mobile phosphorus in a grassland soil. <i>Journal of Agricultural Science</i> , 2002, 139, 27-36.	1.3	38
79	Sources of Sediment and Phosphorus in Stream Flow of a Highly Productive Dairy Farmed Catchment. <i>Journal of Environmental Quality</i> , 2007, 36, 540-548.	2.0	36
80	Is Cadmium Loss in Surface Runoff Significant for Soil and Surface Water Quality: A Study of Flood-Irrigated Pastures?. <i>Water, Air, and Soil Pollution</i> , 2010, 209, 133-142.	2.4	36
81	Phosphorus and the Winchmore trials: review and lessons learnt. <i>New Zealand Journal of Agricultural Research</i> , 2012, 55, 119-132.	1.6	36
82	Chemistry, Cycling, and Potential Movement of Inorganic Phosphorus in Soils. <i>Agronomy</i> , 0, , 51-86.	0.2	36
83	The Effects of Soil Carbon on Phosphorus and Sediment Loss from Soil Trays by Overland Flow. <i>Journal of Environmental Quality</i> , 2003, 32, 207-214.	2.0	35
84	Modelling phosphorus losses from pastoral farming systems in New Zealand. <i>New Zealand Journal of Agricultural Research</i> , 2005, 48, 131-141.	1.6	35
85	An improved technique for the determination of organic phosphorus in sediments and soils by ³¹ P nuclear magnetic resonance spectroscopy. <i>Chemistry and Ecology</i> , 2005, 21, 11-22.	1.6	35
86	Restricting the grazing time of cattle to decrease phosphorus, sediment and E. coli losses in overland flow from cropland. <i>Soil Research</i> , 2005, 43, 61.	1.1	34
87	Approaches for Quantifying and Managing Diffuse Phosphorus Exports at the Farm/Small Catchment Scale. <i>Journal of Environmental Quality</i> , 2009, 38, 1968-1980.	2.0	34
88	Relationship between Sediment Chemistry, Equilibrium Phosphorus Concentrations, and Phosphorus Concentrations at Baseflow in Rivers of the New Zealand National River Water Quality Network. <i>Journal of Environmental Quality</i> , 2015, 44, 921-929.	2.0	34
89	Integration of ANP and Fuzzy set techniques for land suitability assessment based on remote sensing and GIS for irrigated maize cultivation. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1063-1079.	2.6	34
90	The Ability to Reduce Soil Legacy Phosphorus at a Country Scale. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	34

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91	Analysis of Potentially Mobile Phosphorus in Arable Soils Using Solid State Nuclear Magnetic Resonance. <i>Journal of Environmental Quality</i> , 2002, 31, 450-456.	2.0	33
92	Contaminant Losses in Overland Flow from Cattle, Deer and Sheep Dung. <i>Water, Air, and Soil Pollution</i> , 2006, 174, 211-222.	2.4	31
93	Nutrient, Sediment, and Bacterial Losses in Overland Flow from Pasture and Cropping Soils Following Cattle Dung Deposition. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 93-108.	1.4	30
94	Management options to decrease phosphorus and sediment losses from irrigated cropland grazed by cattle and sheep. <i>Soil Use and Management</i> , 2009, 25, 224-233.	4.9	30
95	Guiding phosphorus stewardship for multiple ecosystem services. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	3.1	30
96	Quantifying the Extent of Anthropogenic Eutrophication of Lakes at a National Scale in New Zealand. <i>Environmental Science & Technology</i> , 2019, 53, 9439-9452.	10.0	30
97	Dissipation of imazapyr, flumetsulam and thifensulfuron in soil. <i>Weed Research</i> , 1997, 37, 381-389.	1.7	29
98	THE USE OF ISOTOPIC EXCHANGE KINETICS TO ASSESS PHOSPHORUS AVAILABILITY IN OVERLAND FLOW AND SUBSURFACE DRAINAGE WATERS. <i>Soil Science</i> , 2001, 166, 365-373.	0.9	29
99	Variation in environmentally- and agronomically-significant soil phosphorus concentrations with time since stopping the application of phosphorus fertilisers. <i>Geoderma</i> , 2016, 280, 67-72.	5.1	29
100	An examination of potential extraction methods to assess plant-available organic phosphorus in soil. <i>Biology and Fertility of Soils</i> , 2008, 44, 707-715.	4.3	28
101	The rate of accumulation of cadmium and uranium in a long-term grazed pasture: implications for soil quality. <i>New Zealand Journal of Agricultural Research</i> , 2012, 55, 133-146.	1.6	27
102	Phosphorus and Sediment Loss in a Catchment with Winter Forage Grazing of Cropland by Dairy Cattle. <i>Journal of Environmental Quality</i> , 2006, 35, 575-583.	2.0	26
103	Phosphorus fertilizer form affects phosphorus loss to waterways: a paired catchment study. <i>Soil Use and Management</i> , 2010, 26, 365-373.	4.9	26
104	Minimising phosphorus losses from the soil matrix. <i>Current Opinion in Biotechnology</i> , 2012, 23, 860-865.	6.6	26
105	Role of Organic Anions and Phosphatase Enzymes in Phosphorus Acquisition in the Rhizospheres of Legumes and Grasses Grown in a Low Phosphorus Pasture Soil. <i>Plants</i> , 2020, 9, 1185.	3.5	26
106	Water Quality in Headwater Catchments with Deer Wallows. <i>Journal of Environmental Quality</i> , 2007, 36, 1377-1382.	2.0	25
107	Nutrient losses associated with irrigation, intensification and management of land use: A study of large scale irrigation in North Otago, New Zealand. <i>Agricultural Water Management</i> , 2011, 98, 877-885.	5.6	25
108	Manipulation of fertiliser regimes in phosphorus enriched soils can reduce phosphorus loss to leachate through an increase in pasture and microbial biomass production. <i>Agriculture, Ecosystems and Environment</i> , 2014, 185, 65-76.	5.3	25

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109	The potential for phosphorus loss in relation to nitrogen fertiliser application and cultivation. <i>New Zealand Journal of Agricultural Research</i> , 2002, 45, 245-253.	1.6	24
110	Extreme Phosphorus Losses in Drainage from Grazed Dairy Pastures on Marginal Land. <i>Journal of Environmental Quality</i> , 2015, 44, 545-551.	2.0	24
111	Sediment phosphorus buffering in streams at baseflow: A meta-analysis. <i>Journal of Environmental Quality</i> , 2021, 50, 287-311.	2.0	24
112	Fatal Hemorrhage Caused by Varicose Veins. <i>American Journal of Forensic Medicine and Pathology</i> , 1994, 15, 100-104.	0.8	23
113	Assessment of a technique to remove phosphorus from streamflow. <i>New Zealand Journal of Agricultural Research</i> , 2007, 50, 503-510.	1.6	23
114	Analysis of Potentially Mobile Phosphorus in Arable Soils Using Solid State Nuclear Magnetic Resonance. <i>Journal of Environmental Quality</i> , 2002, 31, 450.	2.0	22
115	INTEGRATING PHOSPHORUS AND NITROGEN DECISION MANAGEMENT AT WATERSHED SCALES. <i>Journal of the American Water Resources Association</i> , 2002, 38, 479-491.	2.4	22
116	Why are median phosphorus concentrations improving in New Zealand streams and rivers?. <i>Journal of the Royal Society of New Zealand</i> , 2019, 49, 143-170.	1.9	22
117	A Global Perspective on Phosphorus Management Decision Support in Agriculture: Lessons Learned and Future Directions. <i>Journal of Environmental Quality</i> , 2019, 48, 1218-1233.	2.0	22
118	Effects of Lime and Organic Amendments Derived from Varied Source Materials on Cadmium Uptake by Potato. <i>Journal of Environmental Quality</i> , 2017, 46, 836-844.	2.0	21
119	Impacts of long-term plant biomass management on soil phosphorus under temperate grassland. <i>Plant and Soil</i> , 2018, 427, 163-174.	3.7	21
120	Availability of residual phosphorus in high phosphorus soils. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 1235-1246.	1.4	20
121	Identification of Phosphorus Species in Extracts of Soils with Contrasting Management Histories. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 1083-1095.	1.4	20
122	Estimation of Catchment Nutrient Loads in New Zealand Using Monthly Water Quality Monitoring Data. <i>Journal of the American Water Resources Association</i> , 2017, 53, 158-178.	2.4	20
123	Quantifying contaminant losses to water from pastoral landuses in New Zealand II. The effects of some farm mitigation actions over the past two decades. <i>New Zealand Journal of Agricultural Research</i> , 2021, 64, 365-389.	1.6	20
124	Hydrological approaches to the delineation of critical-source areas of runoff. <i>New Zealand Journal of Agricultural Research</i> , 2007, 50, 249-265.	1.6	19
125	Nutrients and eutrophication: introduction. <i>Marine and Freshwater Research</i> , 2013, 64, iii.	1.3	19
126	Is tillage an effective method to decrease phosphorus loss from phosphorus enriched pastoral soils?. <i>Soil and Tillage Research</i> , 2014, 135, 1-8.	5.6	19

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127	Estimating the mitigation of anthropogenic loss of phosphorus in New Zealand grassland catchments. <i>Science of the Total Environment</i> , 2014, 468-469, 1178-1186.	8.0	19
128	Does variable rate irrigation decrease nutrient leaching losses from grazed dairy farming?. <i>Soil Use and Management</i> , 2017, 33, 530-537.	4.9	19
129	The efficacy of good practice to prevent long-term leaching losses of phosphorus from an irrigated dairy farm. <i>Agriculture, Ecosystems and Environment</i> , 2019, 273, 86-94.	5.3	19
130	Evidence for the leaching of dissolved organic phosphorus to depth. <i>Science of the Total Environment</i> , 2021, 755, 142392.	8.0	19
131	Sediment Phosphorus Chemistry and Microbial Biomass along a Lowland New Zealand Stream. <i>Aquatic Geochemistry</i> , 2003, 9, 19-40.	1.3	18
132	Water quality of a stream recently fenced off from deer. <i>New Zealand Journal of Agricultural Research</i> , 2008, 51, 291-298.	1.6	18
133	Changes in soil phosphorus availability and potential phosphorus loss following cessation of phosphorus fertiliser inputs. <i>Soil Research</i> , 2013, 51, 427.	1.1	18
134	Contrasting the spatial management of nitrogen and phosphorus for improved water quality: Modelling studies in New Zealand and France. <i>European Journal of Agronomy</i> , 2014, 57, 52-61.	4.1	18
135	Direct Exports of Phosphorus from Fertilizers Applied to Grazed Pastures. <i>Journal of Environmental Quality</i> , 2019, 48, 1380-1396.	2.0	18
136	The error in stream sediment phosphorus fractionation and sorption properties effected by drying pretreatments. <i>Journal of Soils and Sediments</i> , 2019, 19, 1587-1597.	3.0	18
137	Uptake and Release of Phosphorus from Overland Flow in a Stream Environment. <i>Journal of Environmental Quality</i> , 2003, 32, 937.	2.0	18
138	Using Soil Phosphorus Profile Data to Assess Phosphorus Leaching Potential in Manured Soils. <i>Soil Science Society of America Journal</i> , 2003, 67, 215.	2.2	18
139	Effect of plot scale and an upslope phosphorus source on phosphorus loss in overland flow. <i>Soil Use and Management</i> , 2002, 18, 112-119.	4.9	17
140	Irrigation and soil physical quality: An investigation at a long-term irrigation site. <i>New Zealand Journal of Agricultural Research</i> , 2009, 52, 113-121.	1.6	17
141	Phosphorus in pasture plants: potential implications for phosphorus loss in surface runoff. <i>Plant and Soil</i> , 2011, 345, 23-35.	3.7	17
142	Phosphorus dynamics in sediments of a eutrophic lake derived from ³¹ P nuclear magnetic resonance spectroscopy. <i>Marine and Freshwater Research</i> , 2014, 65, 70.	1.3	17
143	Speciation and distribution of organic phosphorus in river sediments: a national survey. <i>Journal of Soils and Sediments</i> , 2015, 15, 2369-2379.	3.0	17
144	Cadmium accumulation by forage species used in New Zealand livestock grazing systems. <i>Geoderma Regional</i> , 2016, 7, 11-18.	2.1	17

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145	Assessing the Yield and Load of Contaminants with Stream Order: Would Policy Requiring Livestock to Be Fenced Out of High-Order Streams Decrease Catchment Contaminant Loads?. <i>Journal of Environmental Quality</i> , 2017, 46, 1038-1047.	2.0	17
146	Influence of long-term irrigation on the distribution and availability of soil phosphorus under permanent pasture. <i>Soil Research</i> , 2006, 44, 127.	1.1	16
147	Potential phosphorus and sediment loads from sources within a dairy farmed catchment. <i>Soil Use and Management</i> , 2010, 26, 44-52.	4.9	16
148	State and potential management to improve water quality in an agricultural catchment relative to a natural baseline. <i>Agriculture, Ecosystems and Environment</i> , 2011, 144, 188-200.	5.3	16
149	A strategy for optimizing catchment management actions to stressor-response relationships in freshwaters. <i>Ecosphere</i> , 2018, 9, e02482.	2.2	16
150	Balancing water-quality threats from nutrients and production in Australian and New Zealand dairy farms under low profit margins. <i>Animal Production Science</i> , 2017, 57, 1419.	1.3	16
151	Analysis of Phosphorus in Sequentially Extracted Grassland Soils Using Solid State NMR. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 1623-1636.	1.4	15
152	The effectiveness of coal fly-ash to decrease phosphorus loss from grassland soils. <i>Soil Research</i> , 2005, 43, 853.	1.1	15
153	The fate of phosphorus under contrasting border-check irrigation regimes. <i>Soil Research</i> , 2008, 46, 309.	1.1	15
154	Temperature and Nitrogen Effects on Phosphorus Uptake by Agricultural Stream-Bed Sediments. <i>Journal of Environmental Quality</i> , 2017, 46, 295-301.	2.0	15
155	The Effects of Soil Carbon on Phosphorus and Sediment Loss from Soil Trays by Overland Flow. <i>Journal of Environmental Quality</i> , 2003, 32, 207.	2.0	15
156	Influence of aggregate size on phosphorus changes in a soil cultivated intermittently: analysis by ³¹ P nuclear magnetic resonance. <i>Biology and Fertility of Soils</i> , 2007, 43, 409-415.	4.3	14
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