Ronald J Smernik

List of Publications by Year
in descending order

150	8,953	57758 44	45317 90
papers	citations	h-index	g-index

152	152	152	8279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An investigation into the reactions of biochar in soil. Soil Research, 2010, 48, 501.	1.1	840
2	Chemical composition and bioavailability of thermally altered Pinus resinosa (Red pine) wood. Organic Geochemistry, 2002, 33, 1093-1109.	1.8	723
3	Comparison of quantification methods to measure fireâ€derived (black/elemental) carbon in soils and sediments using reference materials from soil, water, sediment and the atmosphere. Global Biogeochemical Cycles, 2007, 21, .	4.9	483
4	Biochar Carbon Stability in a Clayey Soil As a Function of Feedstock and Pyrolysis Temperature. Environmental Science & Technology, 2012, 46, 11770-11778.	10.0	456
5	Chemical and structural properties of carbonaceous products obtained by pyrolysis and hydrothermal carbonisation of corn stover. Soil Research, 2010, 48, 618.	1.1	332
6	The chemical nature of P accumulation in agricultural soilsâ€”implications for fertiliser management and design: an Australian perspective. Plant and Soil, 2011, 349, 69-87.	3.7	284
7	Aromaticity and degree of aromatic condensation of char. Organic Geochemistry, 2015, 78, 135-143.	1.8	207
8	Synthesis and characterisation of laboratory-charred grass straw (Oryza sativa) and chestnut wood (Castanea sativa) as reference materials for black carbon quantification. Organic Geochemistry, 2006, 37, 1629-1633.	1.8	187
9	Determination of the aromaticity and the degree of aromatic condensation of a thermosequence of wood charcoal using NMR. Organic Geochemistry, 2011, 42, 1194-1202.	1.8	186
10	The use of spin counting for determining quantitation in solid state 13C NMR spectra of natural organic matter. Geoderma, 2000, 96, 101-129.	5.1	183
11	Spiking Improved Solution Phosphorusâ€31 Nuclear Magnetic Resonance Identification of Soil Phosphorus Compounds. Soil Science Society of America Journal, 2009, 73, 919-927.	2.2	183
12	Crop residue phosphorus: speciation and potential bio-availability. Plant and Soil, 2012, 359, 375-385.	3.7	155
13	The influence of feedstock and production temperature on biochar carbon chemistry: A solid-state 13C NMR study. Biomass and Bioenergy, 2014, 60, 121-129.	5.7	153
14	Residue chemistry and microbial community structure during decomposition of eucalypt, wheat and vetch residues. Soil Biology and Biochemistry, 2009, 41, 1966-1975.	8.8	149
15	Variation in the degree of aromatic condensation of chars. Organic Geochemistry, 2009, 40, 1161-1168.	1.8	140
16	Rapid degradation of pyrogenic carbon. Global Change Biology, 2012, 18, 3306-3316.	9.5	136
17	The use of spin counting for determining quantitation in solid state 13C NMR spectra of natural organic matter. Geoderma, 2000, 96, 159-171.	5.1	133
18	Long-term black carbon dynamics in cultivated soil. Biogeochemistry, 2009, 92, 163-176.	3.5	133

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19	Characterisation and evaluation of reference materials for black carbon analysis using elemental composition, colour, BET surface area and 13C NMR spectroscopy. Applied Geochemistry, 2008, 23, 2113-2122.	3.0	129
20	Does the chemical nature of soil carbon drive the structure and functioning of soil microbial communities?. Soil Biology and Biochemistry, 2014, 70, 54-61.	8.8	119
21	A Benchmark Quantum Yield for Water Photoreduction on Amorphous Carbon Nitride. Advanced Functional Materials, 2017, 27, 1702384.	14.9	115
22	Complex Forms of Soil Organic Phosphorusâ€“A Major Component of Soil Phosphorus. Environmental Science & Technology, 2015, 49, 13238-13245.	10.0	97
23	A solid state 13C-NMR study of kerogen degradation during black shale weathering. Geochimica Et Cosmochimica Acta, 2001, 65, 1867-1882.	3.9	89
24	Rapid decomposition of phytate applied to a calcareous soil demonstrated by a solution ‹sup›31‹/sup›P NMR study. European Journal of Soil Science, 2010, 61, 563-575.	3.9	84
25	Solid-state 13C NMR analysis of size and density fractions of marine sediments: Insight into organic carbon sources and preservation mechanisms. Geochimica Et Cosmochimica Acta, 2006, 70, 666-686.	3.9	83
26	Forms of phosphorus in bacteria and fungi isolated from two Australian soils. Soil Biology and Biochemistry, 2008, 40, 1908-1915.	8.8	80
27	Microbial synthesis of organic and condensed forms of phosphorus in acid and calcareous soils. Soil Biology and Biochemistry, 2008, 40, 932-946.	8.8	79
28	Characterisation of soil organic phosphorus in NaOH-EDTA extracts: A comparison of 31P NMR spectroscopy and enzyme addition assays. Soil Biology and Biochemistry, 2015, 91, 298-309.	8.8	78
29	Effects of added paramagnetic ions on the CP/MAS NMR spectrum of a de-ashed soil. Geoderma, 1999, 89, 219-248.	5.1	77
30	Identification of Phytate in Phosphorus-31 Nuclear Magnetic Resonance Spectra: The Need for Spiking. Soil Science Society of America Journal, 2007, 71, 1045-1050.	2.2	77
31	Terra Preta Australis: Reassessing the carbon storage capacity of temperate soils. Agriculture, Ecosystems and Environment, 2011, 140, 137-147.	5.3	75
32	Clear effects of soil organic matter chemistry, as determined by NMR spectroscopy, on the sorption of diuron. Chemosphere, 2008, 70, 1153-1160.	8.2	68
33	Determination of T1Ï‰H Relaxation Rates in Charred and Uncharred Wood and Consequences for NMR Quantitation. Solid State Nuclear Magnetic Resonance, 2002, 22, 50-70.	2.3	67
34	A quantitative assessment of phosphorus forms in some Australian soils. Soil Research, 2011, 49, 152.	1.1	56
35	Does Solid-state 15N NMR Spectroscopy Detect all Soil Organic Nitrogen?. Biogeochemistry, 2005, 75, 507-528.	3.5	55
36	Retention capacity of biochar-amended New Zealand dairy farm soil for an estrogenic steroid hormone and its primary metabolite. Soil Research, 2010, 48, 648.	1.1	55

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37	Soil organic phosphorus and microbial community composition as affected by 26Âyears of different management strategies. Biology and Fertility of Soils, 2008, 44, 717-726.	4.3	53
38	Phosphorus speciation in mature wheat and canola plants as affected by phosphorus supply. Plant and Soil, 2014, 378, 125-137.	3.7	51
39	Overestimation of the importance of phytate in NaOHâ€"EDTA soil extracts as assessed by 31P NMR analyses. Organic Geochemistry, 2011, 42, 955-964.	1.8	49
40	Separating the effects of organic matterâ€"mineral interactions and organic matter chemistry on the sorption of diuron and phenanthrene. Chemosphere, 2008, 72, 886-890.	8.2	48
41	Impact of Remote Protonation on 13C CPMAS NMR Quantitation of Charred and Uncharred Wood. Solid State Nuclear Magnetic Resonance, 2002, 22, 71-82.	2.3	47
42	Changes in the chemistry of sedimentary organic matter within the Coorong over space and time. Biogeochemistry, 2009, 92, 9-25.	3.5	46
43	Management of crop residues affects the transfer of phosphorus to plant and soil pools: Results from a dual-labelling experiment. Soil Biology and Biochemistry, 2014, 71, 31-39.	8.8	46
44	The effects of organic matterâ€"mineral interactions and organic matter chemistry on diuron sorption across a diverse range of soils. Chemosphere, 2015, 119, 99-104.	8.2	46
45	Organic amendments as phosphorus fertilisers: Chemical analyses, biological processes and plant P uptake. Soil Biology and Biochemistry, 2017, 107, 50-59.	8.8	46
46	Soil carbon characterization and nutrient ratios across land uses on two contrasting soils: Their relationships to microbial biomass and function. Soil Biology and Biochemistry, 2016, 97, 50-62.	8.8	45
47	Solid-state 13 C-NMR dipolar dephasing experiments for quantifying protonated and non-protonated carbon in soil organic matter and model systems. European Journal of Soil Science, 2001, 52, 103-120.	3.9	43
48	Selected personal care products and endocrine disruptors in biosolids: An Australia-wide survey. Science of the Total Environment, 2011, 409, 1075-1081.	8.0	43
49	Investigation of the Role of Structural Domains Identified in Sedimentary Organic Matter in the Sorption of Hydrophobic Organic Compounds. Environmental Science & Technology, 2005, 39, 3925-3932.	10.0	42
50	Spin accounting and RESTORE - two new methods to improve quantitation in solid-state 13 C NMR analysis of soil organic matter. European Journal of Soil Science, 2003, 54, 103-116.	3.9	41
51	NMR Characterization of 13C-Benzene Sorbed to Natural and Prepared Charcoals. Environmental Science & Technology, 2006, 40, 1764-1769.	10.0	41
52	Fire-derived organic matter retains ammonia through covalent bond formation. Nature Communications, 2019, 10, 664.	12.8	38
53	Background Signal in Solid State 13C NMR Spectra of Soil Organic Matter (SOM)â€"Quantification and Minimization. Solid State Nuclear Magnetic Resonance, 2001, 20, 74-84.	2.3	37
54	Assessing the quantitative reliability of solid-state 13C NMR spectra of kerogens across a gradient of thermal maturity. Solid State Nuclear Magnetic Resonance, 2006, 29, 312-321.	2.3	37

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55	A demonstration of the high variability of chars produced from wood in bushfires. Organic Geochemistry, 2013, 55, 38-44.	1.8	36
56	An assessment of various measures of soil phosphorus and the net accumulation of phosphorus in fertilized soils under pasture. Journal of Plant Nutrition and Soil Science, 2015, 178, 543-554.	1.9	36
57	Microbial degradation of organic carbon sorbed to phyllosilicate clays with and without hydrous iron oxide coating. European Journal of Soil Science, 2015, 66, 83-94.	3.9	36
58	The Organic P Composition of Vertisols as Determined by ³¹P NMR Spectroscopy. Soil Science Society of America Journal, 2014, 78, 1893-1902.	2.2	35
59	Characterization of Sewage Sludge Organic Matter Using Solidâ€State Carbonâ€13 Nuclear Magnetic Resonance Spectroscopy. Journal of Environmental Quality, 2003, 32, 1516-1522.	2.0	34
60	Hydrolysis of Pyrophosphate in a Highly Calcareous Soil. Soil Science Society of America Journal, 2006, 70, 856-862.	2.2	33
61	Direct Comparison between Visible Near- and Mid-Infrared Spectroscopy for Describing Diuron Sorption in Soils. Environmental Science & Technology, 2009, 43, 4049-4055.	10.0	33
62	Synthesis and Properties of Iron(II) Hydride Complexes Containing the Tripodal Tetraphosphine Ligand P(CH2CH2PMe2)3. Inorganic Chemistry, 1997, 36, 5984-5990.	4.0	32
63	Application of Spin Counting to the Solid-State 31 P NMR Analysis of Pasture Soils with Varying Phosphorus Content. Soil Science Society of America Journal, 2005, 69, 2058-2070.	2.2	32
64	Do organic inputs alter resistance and resilience of soil microbial community to drying?. Soil Biology and Biochemistry, 2015, 81, 58-66.	8.8	32
65	Effect of land use on organic matter composition in density fractions of contrasting soils: A comparative study using 13C NMR and DRIFT spectroscopy. Science of the Total Environment, 2020, 726, 138395.	8.0	32
66	Synthesis of new tetradentate oligophosphine ligands. Inorganic Chemistry, 1993, 32, 4084-4088.	4.0	31
67	Iron Complexes Containing the Tripodal Tetraphosphine Ligand P(CH2CH2PMe2)3. Inorganic Chemistry, 1997, 36, 2884-2892.	4.0	30
68	Chemical changes and phosphorus release during decomposition of pea residues in soil. Soil Biology and Biochemistry, 2007, 39, 2696-2699.	8.8	30
69	Soil Organic Phosphorus Speciation Using Spectroscopic Techniques. Soil Biology, 2011, , 3-36.	0.8	30
70	Characterization of dissolved organic matter for prediction of trihalomethane formation potential in surface and sub-surface waters. Journal of Hazardous Materials, 2016, 308, 430-439.	12.4	28
71	The vinylidene-acetylene rearrangement. A phantom minimum on the MP2 potential energy surface. Chemical Physics Letters, 1992, 188, 589-594.	2.6	27
72	Solid-state 13C NMR spectroscopic studies of soil organic matter at two magnetic field strengths. Geoderma, 2005, 125, 249-271.	5.1	27

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73	Microbial community structure and residue chemistry during decomposition of shoots and roots of young and mature wheat (Triticum aestivum L.) in sand. European Journal of Soil Science, 2011, 62, 666-675.	3.9	27
74	The chemical nature of soil organic phosphorus: A critical review and global compilation of quantitative data. Advances in Agronomy, 2020, 160, 51-124.	5.2	27
75	Using 13C nuclear magnetic resonance spectroscopy for the study of northern hardwood tissues. Canadian Journal of Forest Research, 2005, 35, 1821-1831.	1.7	26
76	Midinfrared Spectroscopy and Chemometrics to Predict Diuron Sorption Coefficients in Soils. Environmental Science & Technology, 2008, 42, 3283-3288.	10.0	26
77	Identification of RNA Hydrolysis Products in NaOH-EDTA Extracts using³¹P NMR Spectroscopy. Communications in Soil Science and Plant Analysis, 2015, 46, 2746-2756.	1.4	26
78	Measuring organic carbon in Calcarosols: understanding the pitfalls and complications. Soil Research, 2012, 50, 397.	1.1	25
79	Effect of paramagnetic cations on solid state 13C nuclear magnetic resonance spectra of natural organic materials. Communications in Soil Science and Plant Analysis, 2000, 31, 3011-3026.	1.4	24
80	Assessing crop residue phosphorus speciation using chemical fractionation and solution 31P nuclear magnetic resonance spectroscopy. Talanta, 2014, 126, 122-129.	5.5	24
81	Seasonal variation in the nature of DOM in a river and drinking water reservoir of a closed catchment. Environmental Pollution, 2017, 220, 788-796.	7.5	24
82	Effects of plant roots and arbuscular mycorrhizas on soil phosphorus leaching. Science of the Total Environment, 2020, 722, 137847.	8.0	24
83	The fate of fertiliser P in soil under pasture and uptake by subterraneum clover â€“ a field study using 33P-labelled single superphosphate. Plant and Soil, 2016, 401, 23-38.	3.7	23
84	On the Use of Hydrofluoric Acid Pretreatment of Soils for Phosphorus-31 Nuclear Magnetic Resonance Analyses. Soil Science Society of America Journal, 2007, 71, 1111-1118.	2.2	22
85	Phosphorus availability in chicken manure is lower with increased stockpiling period, despite a larger orthophosphate content. Plant and Soil, 2013, 373, 359-372.	3.7	21
86	Loss and gain of carbon during char degradation. Soil Biology and Biochemistry, 2017, 106, 80-89.	8.8	21
87	The composition of organic phosphorus in soils of the Snowy Mountains region of south-eastern Australia. Soil Research, 2017, 55, 10.	1.1	21
88	Does the high potassium content in recycled winery wastewater used for irrigation pose risks to soil structural stability?. Agricultural Water Management, 2021, 243, 106422.	5.6	21
89	Paramagnetic Effects on Solid State Carbonâ€13 Nuclear Magnetic Resonance Spectra of Soil Organic Matter. Journal of Environmental Quality, 2002, 31, 414-420.	2.0	20
90	The use of MSSV pyrolysis to assist the molecular characterisation of aquatic natural organic matter. Water Research, 2010, 44, 3039-3054.	11.3	20

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91	Control of the pore size distribution and its spatial homogeneity in particulate activated carbon. Carbon, 2014, 78, 113-120.	10.3	20
92	Long-term changes in land use influence phosphorus concentrations, speciation, and cycling within subtropical soils. Geoderma, 2021, 393, 115010.	5.1	20
93	The effect of lipids on the sorption of diuron and phenanthrene in soils. Chemosphere, 2009, 74, 1062-1068.	8.2	19
94	100 Years of superphosphate addition to pasture in an acid soilâ€"current nutrient status and future management. Soil Research, 2015, 53, 662.	1.1	19
95	The chemical nature of organic phosphorus that accumulates in fertilized soils of a temperate pasture as determined by solution31P NMR spectroscopy. Journal of Plant Nutrition and Soil Science, 2017, 180, 27-38.	1.9	19
96	Development of a Spectrophotometric Method for Determining pH of Soil Extracts and Comparison with Glass Electrode Measurements. Soil Science Society of America Journal, 2017, 81, 1350-1358.	2.2	19
97	Changes in the Nature of Sewage Sludge Organic Matter During a Twentyâ€Oneâ€Month Incubation. Journal of Environmental Quality, 2004, 33, 1924-1929.	2.0	18
98	Solid-state 15N NMR analysis of highly 15N-enriched plant materials. Plant and Soil, 2005, 275, 271-283.	3.7	18
99	A New Way to Use Solid-State Carbon-13 Nuclear Magnetic Resonance Spectroscopy to Study the Sorption of Organic Compounds to Soil Organic Matter. Journal of Environmental Quality, 2005, 34, 1194-1204.	2.0	18
100	Quantitative analysis of ³¹P NMR spectra of soil extracts â€“ dealing with overlap of broad and sharp signals. Magnetic Resonance in Chemistry, 2015, 53, 679-685.	1.9	17
101	Spectral sensitivity of solution 31P NMR spectroscopy is improved by narrowing the soil to solution ratio to 1:4 for pasture soils of low organic P content. Geoderma, 2015, 257-258, 48-57.	5.1	16
102	Xylomelum occidentale (Proteaceae) accesses relatively mobile soil organic phosphorus without releasing carboxylates. Journal of Ecology, 2021, 109, 246-259.	4.0	16
103	Changes in the organic character of post-coagulated Pinus radiata sulfite pulp mill wastewater under aerated stabilization basin treatmentâ€"A laboratory scale study. Chemical Engineering Journal, 2011, 175, 160-168.	12.7	15
104	Cadmium sorption in biosolids amended soils: results from a field trial. Science of the Total Environment, 2004, 327, 239-247.	8.0	14
105	Mechanisms of organic matter stabilization and destabilization in soils and sediments: conference introduction. Biogeochemistry, 2009, 92, 3-8.	3.5	14
106	Using the power of C-13 NMR to interpret infrared spectra of soil organic matter: A two-dimensional correlation spectroscopy approach. Vibrational Spectroscopy, 2013, 66, 76-82.	2.2	14
107	Advanced Solid-State Carbon-13 Nuclear Magnetic Resonance Spectroscopic Studies of Sewage Sludge Organic Matter. Journal of Environmental Quality, 2003, 32, 1523.	2.0	13
108	Quantitative solid-state 13 C NMR spectroscopy of organic matter fractions in lowland rice soils. European Journal of Soil Science, 2004, 55, 367-379.	3.9	13

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109	Comparison of degradation between indigenous and spiked bisphenol A and triclosan in a biosolids amended soil. Science of the Total Environment, 2013, 447, 56-63.	8.0	13
110	Control of the spatial homogeneity of pore surface chemistry in particulate activated carbon. Carbon, 2015, 95, 144-149.	10.3	13
111	Phosphorus speciation of dormant grapevine (Vitis viniferaL.) canes in the Barossa Valley, South Australia. Australian Journal of Grape and Wine Research, 2016, 22, 462-468.	2.1	13
112	Direct recovery of 33 P-labelled fertiliser phosphorus in subterranean clover (Trifolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (su Ecosystems and Environment, 2017, 246, 144-156.	5.3	13
113	Post fire litters are richer in water soluble carbon and lead to increased microbial activity. Applied Soil Ecology, 2019, 136, 101-105.	4.3	13
114	Variable water cycles have a greater impact on wheat growth and soil nitrogen response than constant watering. Plant Science, 2020, 290, 110146.	3.6	13
115	The effect of water content on solid-state 13 C NMR quantitation and relaxation rates of soil organic matter. European Journal of Soil Science, 2006, 57, 665-676.	3.9	12
116	Persistence of estrogenic activity in soils following land application of biosolids. Environmental Toxicology and Chemistry, 2014, 33, 26-28.	4.3	12
117	Embedding publication skills in science research training: a writing group programme based on applied linguistics frameworks and facilitated by a scientist. Higher Education Research and Development, 2016, 35, 229-241.	2.9	12
118	The application of a spectrophotometric method to determine pH in acidic (pH<5) soils. Talanta, 2018, 186, 421-426.	5.5	12
119	Phosphorus speciation and dynamics in river sediments, floodplain soils and leaf litter from the Lower Murray River region. Marine and Freshwater Research, 2019, 70, 1522.	1.3	11
120	Characterisation of sedimentary organic matter from three south-eastern Australian estuaries using solid-state 13C-NMR techniques. Marine and Freshwater Research, 2004, 55, 285.	1.3	10
121	Mid-infrared spectra predict nuclear magnetic resonance spectra of soil carbon. Geoderma, 2015, 247-248, 65-72.	5.1	10
122	Partitioning of phosphorus between biochemical and storage compounds in leaves follows a consistent pattern across four Australian genera growing in native settings. Plant and Soil, 2020, 454, 57-75.	3.7	10
123	Organic chemistry insights for the exceptional soil carbon storage of the seagrass Posidonia australis. Estuarine, Coastal and Shelf Science, 2020, 237, 106662.	2.1	10
124	Chemical composition of composted grape marc. Water Science and Technology, 2009, 60, 1265-1271.	2.5	9
125	Changes in water quality following gypsum application to catchment soils of the Mount Lofty Ranges, South Australia. Organic Geochemistry, 2010, 41, 116-123.	1.8	9
126	Globular structures in roots accumulate phosphorus to extremely high concentrations following phosphorus addition. Plant, Cell and Environment, 2019, 42, 1987-2002.	5.7	9

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127	Changes in sewage sludge carbon forms along a treatment stream. Chemosphere, 2008, 72, 981-985.	8.2	8
128	The decomposition of windrowed, chipped logging slash and tree seedling response: A plant growth and nuclear magnetic resonance spectroscopy study. Organic Geochemistry, 2011, 42, 936-946.	1.8	8
129	Root and arbuscular mycorrhizal effects on soil nutrient loss are modulated by soil texture. Applied Soil Ecology, 2021, 167, 104097.	4.3	8
130	Comparison of solid-state 13C NMR spectra of soil organic matter from an experimental burning site acquired at two field strengths. Soil Research, 2008, 46, 122.	1.1	7
131	Organic phosphorus speciation in Australian Red Chromosols: stoichiometric control. Soil Research, 2016, 54, 11.	1.1	7
132	Spectrophotometric measurement of the pH of soil extracts using a multiple indicator dye mixture. European Journal of Soil Science, 2019, 70, 411-420.	3.9	7
133	The effect of solvent-conditioning on soil organic matter sorption affinity for diuron and phenanthrene. Chemosphere, 2009, 76, 1062-1066.	8.2	6
134	Changes in character of organics in the receiving environment of effluent from a sulphite pulp mill. Environmental Science and Pollution Research, 2012, 19, 2151-2158.	5.3	6
135	Soil phosphorus pools with addition of fertiliser phosphorus in a long-term grazing experiment. Nutrient Cycling in Agroecosystems, 2020, 116, 151-164.	2.2	6
136	The effect of fire affected Pinus radiata litter and char addition on soil nitrogen cycling. Science of the Total Environment, 2019, 664, 276-282.	8.0	5
137	Arbuscular mycorrhizas increased tomato biomass and nutrition but did not affect local soil P availability or 16S bacterial community in the field. Science of the Total Environment, 2022, 819, 152620.	8.0	5
138	Paramagnetic effects on solid state carbon-13 nuclear magnetic resonance spectra of soil organic matter. Journal of Environmental Quality, 2002, 31, 414-20.	2.0	5
139	Biogeochemical expression of buried iron-oxideâ€'copperâ€'gold (IOCG) mineral systems in mallee eucalypts on the Yorke Peninsula, southern Olympic Domain; South Australia. Journal of Geochemical Exploration, 2018, 185, 139-152.	3.2	4
140	Thermal degradation of phytate produces all four possible inositol pentakisphosphates as determined by ion chromatography and1H and31P NMR spectroscopy. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 1140-1148.	1.6	4
141	Fire influences needle decomposition: Tipping point in Pinus radiata carbon chemistry and soil nitrogen transformations. Soil Biology and Biochemistry, 2019, 135, 361-368.	8.8	4
142	Constraining the carbonate system in soils via testing the internal consistency of pH, pCO2 and alkalinity measurements. Geochemical Transactions, 2020, 21, 4.	0.7	4
143	Facile decomposition of phytate in the solid-state: Kinetics and decomposition pathways. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 192-199.	1.6	3
144	Improving Sensitivity of Solution‹sup›31‹/sup›P NMR Analysis in Australian Xeralfs. Communications in Soil Science and Plant Analysis, 2015, 46, 1034-1043.	1.4	2

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145	Phosphorus Distribution in Soils from Australian Dairy and Beef Rearing Pastoral Systems. Applied Sciences (Switzerland), 2016, 6, 31.	2.5	2
146	The Organic Chemistry of Plant Residues: Comparison Of NMR and Pyrolysis Data Using Multivariate Statistical Approaches. Current Organic Chemistry, 2013, 17, 3006-3012.	1.6	2
147	Changes in the nature of dissolved organics during pulp and paper mill wastewater treatment: a multivariate statistical study combining data from three analytical techniques. Environmental Science and Pollution Research, 2014, 21, 4265-4275.	5.3	1
148	Frequency Versus Quantity: Phenotypic Response of Two Wheat Varieties to Water and Nitrogen Variability. Journal of Soil Science and Plant Nutrition, 2021, 21, 1631-1641.	3.4	1
149	Phosphorus speciation and release from different plant litters on a River MurrayÂ(Australia) floodplain. Plant and Soil, 2022, 471, 141-156.	3.7	1
150	Soil Microbial Community Responses After Amendment with Thermally Altered Pinus radiata Needles. Microbial Ecology, 2020, 79, 409-419.	2.8	0