

N J Barrow

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

7,419
citations

51
h-index

77
g-index

187
ext. papers

7,989
ext. citations

3.6
avg. IF

6.29
L-index

#	Paper	IF	Citations
180	Effect of pH and prior treatment with phosphate on the rate and amount of reaction of soils with phosphate. <i>European Journal of Soil Science</i> , 2021 , 72, 243-253	3.4	10
179	The soil phosphate fractionation fallacy. <i>Plant and Soil</i> , 2021 , 459, 1-11	4.2	26
178	Describing and explaining the reaction of soils with phosphate using existing observations. <i>European Journal of Soil Science</i> , 2021 , 72, 234-242	3.4	3
177	Comparing two theories about the nature of soil phosphate. <i>European Journal of Soil Science</i> , 2021 , 72, 679-685	3.4	12
176	The pervasive use of P O , K O, CaO, MgO and other molecules that do not exist in soil or fertiliser bags. <i>New Phytologist</i> , 2021 , 232, 1901-1903	9.8	0
175	Some comments on: Phosphate and glyphosate sorption in soils following long-term phosphate applications by Munira et al. (2018). <i>Geoderma</i> , 2021 , 402, 115334	6.7	
174	Reply to: Navigating limitations and opportunities of soil phosphorus fractionation: a comment on the soil phosphate fractionation fallacy by Barrow et al. 2020. <i>Plant and Soil</i> , 2020 , 453, 595-596	4.2	2
173	Measurement of the effects of pH on phosphate availability. <i>Plant and Soil</i> , 2020 , 454, 217-224	4.2	22
172	Mechanisms by which citric acid increases phosphate availability. <i>Plant and Soil</i> , 2018 , 423, 193-204	4.2	15
171	Three Residual Benefits of Applying Phosphate Fertilizer. <i>Soil Science Society of America Journal</i> , 2018 , 82, 1168-1176	2.5	20
170	The effects of pH on phosphate uptake from the soil. <i>Plant and Soil</i> , 2017 , 410, 401-410	4.2	104
169	Effect of pH and prior phosphate application on the reaction of fluoride with soils from northern India. <i>European Journal of Soil Science</i> , 2016 , 67, 294-302	3.4	2
168	Soil phosphate chemistry and the P-sparing effect of previous phosphate applications. <i>Plant and Soil</i> , 2015 , 397, 401-409	4.2	44
167	Barrow, N. J. 1983. A mechanistic model for describing the sorption and desorption of phosphate by soil. <i>Journal of Soil Science</i> , 34, 733-750. Reflections by N. J. Barrow. <i>European Journal of Soil Science</i> , 2015 , 66, 2-3	3.4	1
166	The specific adsorption of organic and inorganic phosphates by variable-charge oxides. <i>European Journal of Soil Science</i> , 2015 , 66, 859-866	3.4	9
165	Effect of phosphate status and pH on sulphate sorption and desorption. <i>European Journal of Soil Science</i> , 2015 , 66, 286-297	3.4	14
164	A mechanistic model for describing the sorption and desorption of phosphate by soil. <i>European Journal of Soil Science</i> , 2015 , 66, 9-18	3.4	23

163	Evaluation and Utilization of Residual Phosphorus in Soils. <i>Assa, Cssa and Sssa</i> , 2015 , 333-359	0.3	14
162	Reactions of Inorganic Sulfur in Soils. <i>Agronomy</i> , 2015 , 233-249	0.8	8
161	Effect of phosphate status on the sorption and desorption properties of some soils of northern India. <i>Plant and Soil</i> , 2014 , 378, 383-395	4.2	51
160	Effect of porosity of goethite on the sorption of six heavy metal ions. <i>European Journal of Soil Science</i> , 2013 , 64, 805-813	3.4	16
159	Rate of desorption of eight heavy metals from goethite and its implications for understanding the pathways for penetration. <i>European Journal of Soil Science</i> , 2012 , 63, 389-398	3.4	23
158	A re-examination of the sorption and desorption dynamics of citrate ions in soil: comments on Adsorption and desorption dynamics of citric acid and ions in soil by E. Oburger, et al. <i>European Journal of Soil Science</i> , 2012 , 63, 523-527	3.4	4
157	Predicting phosphorus requirements of young <i>Pinus radiata</i> using sequential Bray soil extraction. <i>Plant and Soil</i> , 2011 , 339, 425-434	4.2	6
156	The description of sorption curves. <i>European Journal of Soil Science</i> , 2008 , 59, 900-910	3.4	91
155	Observations and modelling of the reactions of 10 metals with goethite: adsorption and diffusion processes. <i>European Journal of Soil Science</i> , 2007 , 58, 1304-1315	3.4	74
154	Modifications to the Freundlich equation to describe anion sorption over a large range and to describe competition between pairs of ions. <i>European Journal of Soil Science</i> , 2005 , 56, 601-606	3.4	40
153	Influence of pH on a secondary effect of phosphate reaction: the decrease in sorption of newly added phosphate. <i>Soil Research</i> , 2002 , 40, 775	1.8	12
152	Comparing simple methods for measuring phosphate sorption by soils. <i>Soil Research</i> , 2001 , 39, 1433	1.8	18
151	Towards a single-point method for measuring phosphate sorption by soils. <i>Soil Research</i> , 2000 , 38, 1099	1.8	24
150	A note on the description of the kinetics of phosphate sorption. <i>European Journal of Soil Science</i> , 2000 , 51, 531-535	3.4	7
149	Accessibility of subsoil potassium to wheat grown on duplex soils in the south-west of Western Australia. <i>Soil Research</i> , 2000 , 38, 745	1.8	35
148	A simple equation to describe sorption of anions by goethite. <i>European Journal of Soil Science</i> , 1999 , 50, 151-155	3.4	12
147	The four laws of soil chemistry: the Leeper lecture 1998. <i>Soil Research</i> , 1999 , 37, 787	1.8	108
146	Comparing the effects of pH on the sorption of metals by soil and by goethite, and on uptake by plants. <i>European Journal of Soil Science</i> , 1998 , 49, 683-692	3.4	45

145	Effect of previous additions of superphosphate on sorption of phosphate. <i>Soil Research</i> , 1998 , 36, 359	1.8	43
144	Effects of time and temperature on the sorption of cadmium, zinc, cobalt, and nickel by a soil. <i>Soil Research</i> , 1998 , 36, 941	1.8	52
143	Effects of crystallinity of goethite: I. Preparation and properties of goethites of differing crystallinity. <i>European Journal of Soil Science</i> , 1997 , 48, 87-99	3.4	45
142	Effects of crystallinity of goethite: II. Rates of sorption and desorption of phosphate. <i>European Journal of Soil Science</i> , 1997 , 48, 101-114	3.4	159
141	Chapter 3.7 The reaction of anions and cations with metal oxides as models for their reaction with soil. <i>Studies in Surface Science and Catalysis</i> , 1996 , 829-856	1.8	1
140	The effects of time of incubation on the relation between charge and pH of soil. <i>European Journal of Soil Science</i> , 1996 , 47, 131-136	3.4	16
139	Incubating superphosphate in dry soil can reduce its effectiveness. <i>Fertilizer Research</i> , 1995 , 44, 205-215		3
138	Root hair length determines beneficial effect of a <i>Glomus</i> species on shoot growth of some pasture species. <i>New Phytologist</i> , 1995 , 131, 247-254	9.8	139
137	Slow-release selenium fertilizers to correct selenium deficiency in grazing sheep in Western Australia. <i>Fertilizer Research</i> , 1994 , 38, 183-188		15
136	Differences in the cadmium content of some common Western Australian pasture plants grown in a soil amended with cadmium - describing the effects of level of cadmium supply. <i>Fertilizer Research</i> , 1994 , 39, 113-122		11
135	Selenium fertilizers for pastures grazed by sheep. 1. Selenium concentrations in whole blood and plasma. <i>Australian Journal of Agricultural Research</i> , 1994 , 45, 863		21
134	Selenium fertilizers for pastures grazed by sheep. 2. Wool and liveweight responses to selenium. <i>Australian Journal of Agricultural Research</i> , 1994 , 45, 877		14
133	Effects of surface heterogeneity on ion adsorption by metal oxides and by soils. <i>Langmuir</i> , 1993 , 9, 2606-2611		52
132	Mechanisms of Reaction of Zinc with Soil and Soil Components 1993 , 15-31		24
131	Differences in the cadmium content of some common WA pasture plants supplied with a range of levels of cadmium 1993 , 787-790		
130	A brief discussion on the effect of temperature on the reaction of inorganic ions with soil. <i>Journal of Soil Science</i> , 1992 , 43, 37-45		51
129	The effects of pH and chloride concentration on mercury sorption. I. By goethite. <i>Journal of Soil Science</i> , 1992 , 43, 295-304		93
128	The effects of pH and chloride concentration on mercury sorption. II. By a soil. <i>Journal of Soil Science</i> , 1992 , 43, 305-312		54

127	The effect of time on the competition between anions for sorption. <i>Journal of Soil Science</i> , 1992 , 43, 421-428		26
126	The reaction between phosphate and dry soil. I. The effect of time, temperature and dryness. <i>Journal of Soil Science</i> , 1992 , 43, 749-758		43
125	The reaction between phosphate and dry soil. II. The effect of time, temperature and moisture status during incubation on the amount of plant available P. <i>Journal of Soil Science</i> , 1992 , 43, 759-766		24
124	Testing a mechanistic model. XI. The effects of time and of level of application on isotopically exchangeable phosphate. <i>Journal of Soil Science</i> , 1991 , 42, 277-288		20
123	Testing a mechanistic model. XI. The effects of time and of level of application on isotopically exchangeable phosphate. <i>Journal of Soil Science</i> , 1991 , 42, 533-533		
122	The effect of level of application on the residual value of superphosphate on a sandy soil in south-western Australia. <i>Fertilizer Research</i> , 1991 , 29, 163-172		9
121	A quick and simple method for determining the titration curve and estimating the lime requirement of soil. <i>Soil Research</i> , 1990 , 28, 685	1.8	27
120	A comparison of methods for measuring the effect of level of application on the relative effectiveness of two fertilizers. <i>Fertilizer Research</i> , 1990 , 26, 1-10		14
119	Equations for describing sigmoid yield responses and their application to some phosphate responses by lupins and by subterranean clover. <i>Fertilizer Research</i> , 1990 , 22, 181-188		59
118	The reaction of plant nutrients and pollutants with soil. <i>Soil Research</i> , 1989 , 27, 475	1.8	29
117	Testing a mechanistic model. VII. The effects of pH and of electrolyte on the reaction of selenite and selenate with a soil. <i>Journal of Soil Science</i> , 1989 , 40, 17-28		60
116	Testing a mechanistic model. VIII. The effects of time and temperature of incubation on the sorption and subsequent desorption of selenite and selenate by a soil. <i>Journal of Soil Science</i> , 1989 , 40, 29-37		46
115	Testing a mechanistic model. IX. Competition between anions for sorption by soil. <i>Journal of Soil Science</i> , 1989 , 40, 415-425		26
114	Testing a mechanistic model. X. The effect of pH and electrolyte concentration on borate sorption by a soil. <i>Journal of Soil Science</i> , 1989 , 40, 427-435		24
113	Reaction kinetics of the adsorption and desorption of nickel, zinc and cadmium by goethite. II Modelling the extent and rate of reaction. <i>Journal of Soil Science</i> , 1989 , 40, 437-450		111
112	Suitability of Sorption-Desorption Models to Simulate Partitioning and Movement of Ions in Soils. <i>Ecological Studies</i> , 1989 , 18-32	1.1	4
111	Effect of level of application on the relative effectiveness of rock phosphate. <i>Fertilizer Research</i> , 1988 , 15, 181-192		29
110	CHARACTERIZING THE RATE OF REACTION OF SOME ARGENTINIAN SOILS WITH PHOSPHATE. <i>Soil Science</i> , 1987 , 143, 105-112	0.9	26

109	ABILITY OF THREE SOIL EXTRACTANTS TO REFLECT THE FACTORS THAT DETERMINE THE AVAILABILITY OF SOIL PHOSPHATE. <i>Soil Science</i> , 1987 , 144, 319-329	0.9	11
108	Effects of vesicular-arbuscular mycorrhiza on the availability of iron phosphates to plants. <i>Plant and Soil</i> , 1987 , 99, 401-410	4.2	113
107	Effects of phosphorus application and mycorrhizal inoculation on root characteristics of subterranean clover and ryegrass in relation to phosphorus uptake. <i>Plant and Soil</i> , 1987 , 104, 294-298	4.2	24
106	A comparison of models for describing the adsorption of anions A on a variable charge mineral surface. <i>Journal of Colloid and Interface Science</i> , 1987 , 119, 236-250	9.3	61
105	The effects of phosphate on zinc sorption by a soil. <i>Journal of Soil Science</i> , 1987 , 38, 453-459		55
104	Reactions with Variable-Charge Soils 1987 ,		79
103	Describing and explaining the adsorption behaviour of oxides 1987 , 16-29		3
102	The reaction of anions and cations with soil 1987 , 54-80		1
101	Variable charge oxides as soil constituents and as models of soil constituents 1987 , 6-15		
100	Modelling the reaction of anions and cations with soil 1987 , 81-100		
99	The rate of reaction with oxides 1987 , 30-36		
98	Deriving equations to describe adsorption and rate of adsorption 1987 , 118-123		
97	Testing a mechanistic model. I. The effects of time and temperature on the reaction of fluoride and molybdate with a soil. <i>Journal of Soil Science</i> , 1986 , 37, 267-275		43
96	Testing a mechanistic model. II. The effects of time and temperature on the reaction of zinc with a soil. <i>Journal of Soil Science</i> , 1986 , 37, 277-286		79
95	Testing a mechanistic model. III. The effects of pH on fluoride retention by a soil. <i>Journal of Soil Science</i> , 1986 , 37, 287-293		68
94	Testing a mechanistic model. IV. Describing the effects of pH on zinc retention by soils. <i>Journal of Soil Science</i> , 1986 , 37, 295-302		60
93	Testing a mechanistic model. V. The points of zero salt effect for phosphate retention, for zinc retention and for acid/alkali titration of a soil. <i>Journal of Soil Science</i> , 1986 , 37, 303-310		61
92	Testing a mechanistic model. VI. Molecular modelling of the effects of pH on phosphate and on zinc retention by soils. <i>Journal of Soil Science</i> , 1986 , 37, 311-318		13

91	Reaction of Anions and Cations with Variable-Charge Soils. <i>Advances in Agronomy</i> , 1986 , 183-230	7.7	171
90	Comparing the effectiveness of fertilizers. <i>Fertilizer Research</i> , 1985 , 8, 85-90		50
89	Describing the effect of time on sorption of phosphate by iron and aluminium hydroxides. <i>Journal of Soil Science</i> , 1985 , 36, 187-197		93
88	Initial and residual effectiveness of molybdate fertilizer in two areas of south western Australia. <i>Australian Journal of Agricultural Research</i> , 1985 , 36, 579		12
87	The movement of septic tank effluent through sandy soils near Perth. II. Movement of phosphorus. <i>Soil Research</i> , 1984 , 22, 293	1.8	11
86	Modelling the effect of adsorption of phosphate and other anions on the surface charge of variable charge oxides. <i>Journal of Soil Science</i> , 1984 , 35, 273-281		48
85	Modelling the effects of pH on phosphate sorption by soils. <i>Journal of Soil Science</i> , 1984 , 35, 283-297		173
84	Specific activity of phosphorus in mycorrhizal and non-mycorrhizal plants in relation to the availability of phosphorus to plants. <i>Soil Biology and Biochemistry</i> , 1984 , 16, 299-304	7.5	59
83	Increasing phosphorus supply can increase the infection of plant roots by vesicular-arbuscular mycorrhizal fungi. <i>Soil Biology and Biochemistry</i> , 1984 , 16, 419-420	7.5	105
82	The movement of septic tank effluent through sandy soils near Perth. I. Movement of nitrogen. <i>Soil Research</i> , 1984 , 22, 283	1.8	20
81	A discussion of the methods for measuring the rate of reaction between soil and phosphate. <i>Fertilizer Research</i> , 1983 , 4, 51-61		31
80	A mechanistic model for describing the sorption and desorption of phosphate by soil. <i>Journal of Soil Science</i> , 1983 , 34, 733-750		310
79	On the reversibility of phosphate sorption by soils. <i>Journal of Soil Science</i> , 1983 , 34, 751-758		117
78	Plant and soil factors including mycorrhizal infection causing sigmoidal response of plants to applied phosphorus. <i>Plant and Soil</i> , 1983 , 73, 187-201	4.2	51
77	Possibility of using caustic residue from bauxite for improving the chemical and physical properties of sandy soils. <i>Australian Journal of Agricultural Research</i> , 1982 , 33, 275		76
76	An evaluation of the immiscible displacement method for studying the reaction between soil and phosphate. <i>Fertilizer Research</i> , 1982 , 3, 423-433		6
75	Simplification of a model for ion adsorption on oxide surfaces. <i>Journal of Soil Science</i> , 1982 , 33, 211-217		20
74	Effects of ionic strength and nature of the cation on the desorption of fluoride from soil. <i>Journal of Soil Science</i> , 1982 , 33, 219-231		6

73	Describing the adsorption of copper, zinc and lead on a variable charge mineral surface. <i>Soil Research</i> , 1981 , 19, 309	1.8	90
72	A PARTIAL MODEL FOR THE RATE OF ADSORPTION AND DESORPTION OF PHOSPHATE BY GOETHITE. <i>Journal of Soil Science</i> , 1981 , 32, 399-408		37
71	Differences amongst a wide-ranging collection of soils in the rate of reaction with phosphate. <i>Soil Research</i> , 1980 , 18, 215	1.8	57
70	Describing the effects of electrolyte on adsorption of phosphate by a variable charge surface. <i>Soil Research</i> , 1980 , 18, 395	1.8	125
69	A Study of a Method for Displacing Soil Solution by Centrifuging with an Immiscible Liquid. <i>Journal of Environmental Quality</i> , 1980 , 9, 315-319	3.4	33
68	Differences Among Some North American Soils in the Rate of Reaction with Phosphate. <i>Journal of Environmental Quality</i> , 1980 , 9, 644-648	3.4	32
67	Describing the adsorption of phosphate, citrate and selenite on a variable-charge mineral surface. <i>Soil Research</i> , 1980 , 18, 49	1.8	217
66	An objective method for fitting models of ion adsorption on variable charge surfaces. <i>Soil Research</i> , 1980 , 18, 37	1.8	50
65	Effect of drying soil on the measurement of phosphate adsorption. <i>Communications in Soil Science and Plant Analysis</i> , 1980 , 11, 347-353	1.5	23
64	The efficiency of utilisation of P in superphosphate. <i>New Zealand Journal of Crop and Horticultural Science</i> , 1980 , 8, 211-214		
63	EFFECTS OF IONIC STRENGTH AND NATURE OF THE CATION ON DESORPTION OF PHOSPHATE FROM SOIL. <i>Journal of Soil Science</i> , 1979 , 30, 53-65		45
62	EFFECTS OF SOLUTION: SOIL RATIO AND VIGOUR OF SHAKING ON THE RATE OF PHOSPHATE ADSORPTION BY SOIL. <i>Journal of Soil Science</i> , 1979 , 30, 67-76		67
61	THE DESCRIPTION OF DESORPTION OF PHOSPHATE FROM SOIL. <i>Journal of Soil Science</i> , 1979 , 30, 259-270		71
60	THREE EFFECTS OF TEMPERATURE ON THE REACTIONS BETWEEN INORGANIC PHOSPHATE AND SOIL. <i>Journal of Soil Science</i> , 1979 , 30, 271-279		64
59	THE DESCRIPTION OF PHOSPHATE ADSORPTION CURVES. <i>Journal of Soil Science</i> , 1978 , 29, 447-462		234
58	A modified model for evaluating residual phosphate in soil. <i>Australian Journal of Agricultural Research</i> , 1978 , 29, 1011		22
57	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1977 , 124, 347-354	0.9	33
56	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1977 , 124, 265-278	0.9	39

55	Factors affecting the amount of phosphate extracted from soil by anion exchange resin. <i>Geoderma</i> , 1977 , 18, 309-323	6.7	40
54	Phosphorus Uptake and Utilization by Tree Seedlings. <i>Australian Journal of Botany</i> , 1977 , 25, 571	1.2	67
53	A DIRECT TEST OF THE ABILITY OF VESICULAR-ARBUSCULAR MYCORRHIZA TO HELP PLANTS TAKE UP FIXED SOIL PHOSPHATE. <i>New Phytologist</i> , 1977 , 78, 269-276	9.8	44
52	Sodium bicarbonate as an extractant for soil phosphate III. Effects of the buffering capacity of a soil for phosphate. <i>Geoderma</i> , 1976 , 16, 273-283	6.7	25
51	Sodium bicarbonate as an extractant for soil phosphate, I. Separation of the factors affecting the amount of phosphate displaced from soil from those affecting secondary adsorption. <i>Geoderma</i> , 1976 , 16, 91-107	6.7	45
50	Sodium bicarbonate as an extractant for soil phosphate, II. Effect of varying the conditions of extraction on the amount of phosphate initially displaced and on the secondary adsorption. <i>Geoderma</i> , 1976 , 16, 109-123	6.7	26
49	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1975 , 119, 311-320	0.9	49
48	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1975 , 119, 167-177	0.9	189
47	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1975 , 119, 301-310	0.9	24
46	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1975 , 119, 190-197	0.9	57
45	The response to phosphate of two annual pasture species. I. Effect of the soil's ability to adsorb phosphate on comparative phosphate requirement. <i>Australian Journal of Agricultural Research</i> , 1975 , 26, 137		52
44	The response to phosphate of two annual pasture species. II.* The specific rate of uptake of phosphate, its distribution and use for growth. <i>Australian Journal of Agricultural Research</i> , 1975 , 26, 145		28
43	Chemical form of inorganic phosphate in sheep faeces. <i>Soil Research</i> , 1975 , 13, 63	1.8	19
42	ON THE DISPLACEMENT OF ADSORBED ANIONS FROM SOIL. <i>Soil Science</i> , 1974 , 117, 28-33	0.9	38
41	THE SLOW REACTIONS BETWEEN SOIL AND ANIONS. <i>Soil Science</i> , 1974 , 118, 380-386	0.9	82
40	EFFECT OF PREVIOUS ADDITIONS OF PHOSPHATE ON PHOSPHATE ADSORPTION BY SOILS. <i>Soil Science</i> , 1974 , 118, 82-89	0.9	82
39	Factors affecting the long-term effectiveness of phosphate and molybdate fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 1974 , 5, 355-364	1.5	20
38	Relationship between a soil's ability to adsorb phosphate and the residual effectiveness of superphosphate. <i>Soil Research</i> , 1973 , 11, 57	1.8	26

37	ON THE DISPLACEMENT OF ADSORBED ANIONS FROM SOIL. <i>Soil Science</i> , 1973 , 116, 423-431	0.9	17
36	The effectiveness of several methods of applying superphosphate on yield response by wheat. <i>Australian Journal of Experimental Agriculture</i> , 1973 , 13, 430		6
35	INFLUENCE OF SOLUTION CONCENTRATION OF CALCIUM ON THE ADSORPTION OF PHOSPHATE, SULFATE, AND MOLYBDATE BY SOILS. <i>Soil Science</i> , 1972 , 113, 175-180	0.9	37
34	Methods of measuring residual value of fertilizers. <i>Australian Journal of Experimental Agriculture</i> , 1972 , 12, 502		72
33	Physiological and ecological studies on the oestrogenic isoflavones in subterranean clover (<i>T. subterraneum</i> L.). IX.* Effects of sulphur supply. <i>Australian Journal of Agricultural Research</i> , 1972 , 23, 411		7
32	Slowly available sulphur fertilizers in South-western Australia. 1. Elemental sulphur. <i>Australian Journal of Experimental Agriculture</i> , 1971 , 11, 211		20
31	Slowly available sulphur fertilizers in South-western Australia. 2. Pyrites and pyrrhotite. <i>Australian Journal of Experimental Agriculture</i> , 1971 , 11, 217		5
30	Factors in the molybdenum and phosphorus status of soils on the Dorrigo Plateau of NSW. <i>Australian Journal of Experimental Agriculture</i> , 1971 , 11, 670		4
29	COMPARISON OF THE ADSORPTION OF MOLYBDATE, SULFATE AND PHOSPHATE BY SOILS. <i>Soil Science</i> , 1970 , 109, 282-288	0.9	76
28	Note on incomplete extraction of elemental sulphur from wet soil by chloroform. <i>Journal of the Science of Food and Agriculture</i> , 1970 , 21, 439-440	4.3	5
27	A comparison of growth rates and phosphorus distribution in a range of pasture species. <i>Australian Journal of Agricultural Research</i> , 1969 , 20, 1023		15
26	EFFECTS OF RAINFALL AND PARENT MATERIAL ON THE ABILITY OF SOILS TO ADSORB SULFATE. <i>Soil Science</i> , 1969 , 108, 120-126	0.9	12
25	EFFECTS OF ADSORPTION OF SULFATE BY SOILS ON THE AMOUNT OF SULFATE PRESENT AND ITS AVAILABILITY TO PLANTS. <i>Soil Science</i> , 1969 , 108, 193-201	0.9	24
24	The accumulation of soil organic matter under pasture and its effect on soil properties. <i>Australian Journal of Experimental Agriculture</i> , 1969 , 9, 437		37
23	Determination of elemental sulphur in soils. <i>Journal of the Science of Food and Agriculture</i> , 1968 , 19, 454-456	4.9	15
22	RELATIONSHIP BETWEEN UPTAKE OF PHOSPHORUS BY PLANTS AND THE PHOSPHORUS POTENTIAL AND BUFFERING CAPACITY OF THE SOIL. AN ATTEMPT TO TEST SCHOFIELD'S HYPOTHESIS. <i>Soil Science</i> , 1967 , 104, 99-106	0.9	19
21	STUDIES ON THE ADSORPTION OF SULFATE BY SOILS. <i>Soil Science</i> , 1967 , 104, 342-349	0.9	31
20	STUDIES ON EXTRACTION AND ON AVAILABILITY TO PLANTS OF ADSORBED PLUS SOLUBLE SULFATE. <i>Soil Science</i> , 1967 , 104, 242-249	0.9	71

19	Nutrient potential and capacity. III. Minimum value of potassium potential for availability to <i>Trifolium subterraneum</i> in soil and in solution culture. <i>Australian Journal of Agricultural Research</i> , 1967 , 18, 55		6
18	Nutrient potential and capacity. II. Relationship between potassium potential and buffering capacity and the supply of potassium to plants. <i>Australian Journal of Agricultural Research</i> , 1966 , 17, 849		25
17	The residual value of the phosphorus and sulphur components of superphosphate on some Western Australian soils. <i>Australian Journal of Experimental Agriculture</i> , 1966 , 6, 9		14
16	Nutrient potential and capacity. I. The concepts of nutrient potential and capacity and their application to soil potassium and phosphorus. <i>Australian Journal of Agricultural Research</i> , 1965 , 16, 61		6
15	Further investigations on the use of lime on established pastures. <i>Australian Journal of Experimental Agriculture</i> , 1965 , 5, 442		15
14	Some responses to lime on established pastures. <i>Australian Journal of Experimental Agriculture</i> , 1964 , 4, 30		8
13	Partition of excreted nitrogen, sulphur, and phosphorus between the faeces and urine of sheep being fed pasture. <i>Australian Journal of Agricultural Research</i> , 1962 , 13, 461		39
12	The effect of water-logging on fixation of nitrogen by soil incubated with straw. <i>Plant and Soil</i> , 1962 , 16, 258-262	4.2	42
11	A review of certain aspects of sulphur as a soil constituent and plant nutrient. <i>Plant and Soil</i> , 1962 , 17, 295-308	4.2	25
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9	Mineralization of nitrogen and sulphur from sheep faeces.. <i>Australian Journal of Agricultural Research</i> , 1961 , 12, 644		31
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3	Renovation of <i>Phalaris</i> pastures with special reference to nitrogen and sulphur relationships. <i>Australian Journal of Agricultural Research</i> , 1957 , 8, 617		4
2	Phosphate-solubilising microorganisms mainly increase plant phosphate uptake by effects of pH on root physiology. <i>Plant and Soil</i> , 1	4.2	2

1 How understanding soil chemistry can lead to better phosphate fertilizer practice: a 68 year journey (so far). *Plant and Soil*,

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