

Raphael A Viscarra Rossel

List of Publications by Year in descending order

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Version: 2024-02-01

157
papers

13,628
citations

29994

54
h-index

22102

113
g-index

181
all docs

181
docs citations

181
times ranked

7890
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved global-scale predictions of soil carbon stocks with Millennial Version 2. <i>Soil Biology and Biochemistry</i> , 2022, 164, 108466.	4.2	36
2	Modelling soil water retention and water-holding capacity with visible-near-infrared spectra and machine learning. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	14
3	Evaluation of Two Portable Hyperspectral-Sensor-Based Instruments to Predict Key Soil Properties in Canadian Soils. <i>Sensors</i> , 2022, 22, 2556.	2.1	5
4	Estimating soil fungal abundance and diversity at a macroecological scale with deep learning spectrotransfer functions. <i>Soil</i> , 2022, 8, 223-235.	2.2	6
5	The cost-effectiveness of reflectance spectroscopy for estimating soil organic carbon. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	29
6	Deep transfer learning of global spectra for local soil carbon monitoring. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 188, 190-200.	4.9	26
7	Environmental controls of soil fungal abundance and diversity in Australia's diverse ecosystems. <i>Soil Biology and Biochemistry</i> , 2022, 170, 108694.	4.2	8
8	Diffuse reflectance spectroscopy characterises the functional chemistry of soil organic carbon in agricultural soils. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	3
9	Assessment of the Effect of Soil Sample Preparation, Water Content and Excitation Time on Proximal X-ray Fluorescence Sensing. <i>Sensors</i> , 2022, 22, 4572.	2.1	2
10	Miniaturised visible and near-infrared spectrometers for assessing soil health indicators in mine site rehabilitation. <i>Soil</i> , 2022, 8, 467-486.	2.2	5
11	Diffuse reflectance spectroscopy for estimating soil properties: A technology for the 21st century. <i>European Journal of Soil Science</i> , 2022, 73, .	1.8	30
12	National-scale spectroscopic assessment of soil organic carbon in forests of the Czech Republic. <i>Geoderma</i> , 2021, 385, 114832.	2.3	21
13	Automated spectroscopic modelling with optimised convolutional neural networks. <i>Scientific Reports</i> , 2021, 11, 208.	1.6	22
14	Similar importance of edaphic and climatic factors for controlling soil organic carbon stocks of the world. <i>Biogeosciences</i> , 2021, 18, 2063-2073.	1.3	23
15	Quantifying soil carbon in temperate peatlands using a mid-IR soil spectral library. <i>Soil</i> , 2021, 7, 193-215.	2.2	3
16	Developing the Swiss mid-infrared soil spectral library for local estimation and monitoring. <i>Soil</i> , 2021, 7, 525-546.	2.2	13
17	Evaluating the Precision and Accuracy of Proximal Soil vis-NIR Sensors for Estimating Soil Organic Matter and Texture. <i>Soil Systems</i> , 2021, 5, 48.	1.0	15
18	Wavelet geographically weighted regression for spectroscopic modelling of soil properties. <i>Scientific Reports</i> , 2021, 11, 17503.	1.6	9

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19	Assessing the response of soil carbon in Australia to changing inputs and climate using a consistent modelling framework. <i>Biogeosciences</i> , 2021, 18, 5185-5202.	1.3	4
20	Multi-source data fusion of big spatial-temporal data in soil, geo-engineering and environmental studies. <i>Science of the Total Environment</i> , 2021, 788, 147842.	3.9	12
21	Spectroscopic measurements and imaging of soil colour for field scale estimation of soil organic carbon. <i>Geoderma</i> , 2020, 357, 113972.	2.3	46
22	Soil carbon simulation confounded by different pool initialisation. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 245-255.	1.1	10
23	Continental-scale magnetic properties of surficial Australian soils. <i>Earth-Science Reviews</i> , 2020, 203, 103028.	4.0	9
24	Bioclimatic variables as important spatial predictors of soil hydraulic properties across Australia's agricultural region. <i>Geoderma Regional</i> , 2020, 23, e00344.	0.9	6
25	Examining assumptions of soil microbial ecology in the monitoring of ecological restoration. <i>Ecological Solutions and Evidence</i> , 2020, 1, e12031.	0.8	20
26	A simple approach to estimate coastal soil salinity using digital camera images. <i>Soil Research</i> , 2020, 58, 737.	0.6	6
27	Interactive effects of elevation and land use on soil bacterial communities in the Tibetan Plateau. <i>Pedosphere</i> , 2020, 30, 817-831.	2.1	21
28	On the interpretability of predictors in spatial data science: the information horizon. <i>Scientific Reports</i> , 2020, 10, 16737.	1.6	17
29	Modelling potentially toxic elements in forest soils with visâ€NIR spectra and learning algorithms. <i>Environmental Pollution</i> , 2020, 267, 115574.	3.7	33
30	Soil environment grouping system based on spectral, climate, and terrain data: a quantitative branch of soil series. <i>Soil</i> , 2020, 6, 163-177.	2.2	10
31	Distinct controls over the temporal dynamics of soil carbon fractions after land use change. <i>Global Change Biology</i> , 2020, 26, 4614-4625.	4.2	48
32	A multivariate method for matching soil classification systems, with an Australian example. <i>Soil Research</i> , 2020, 58, 519.	0.6	4
33	Microbial dynamics and soil physicochemical properties explain largeâ€scale variations in soil organic carbon. <i>Global Change Biology</i> , 2020, 26, 2668-2685.	4.2	56
34	National digital soil map of organic matter in topsoil and its associated uncertainty in 1980's China. <i>Geoderma</i> , 2019, 335, 47-56.	2.3	80
35	Baseline map of soil organic carbon in Tibet and its uncertainty in the 1980s. <i>Geoderma</i> , 2019, 334, 124-133.	2.3	35
36	Spectral fusion by Outer Product Analysis (OPA) to improve predictions of soil organic C. <i>Geoderma</i> , 2019, 335, 35-46.	2.3	40

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37	Teleconnections in spatial modelling. <i>Geoderma</i> , 2019, 354, 113854.	2.3	9
38	The relevant range of scales for multi-scale contextual spatial modelling. <i>Scientific Reports</i> , 2019, 9, 14800.	1.6	13
39	X-ray fluorescence and visible near infrared sensor fusion for predicting soil chromium content. <i>Geoderma</i> , 2019, 352, 61-69.	2.3	57
40	Continental-scale soil carbon composition and vulnerability modulated by regional environmental controls. <i>Nature Geoscience</i> , 2019, 12, 547-552.	5.4	92
41	Soil bacterial abundance and diversity better explained and predicted with spectro-transfer functions. <i>Soil Biology and Biochemistry</i> , 2019, 129, 29-38.	4.2	23
42	Updating a national soil classification with spectroscopic predictions and digital soil mapping. <i>Catena</i> , 2018, 164, 125-134.	2.2	47
43	Magnetic Domain State Diagnosis in Soils, Loess, and Marine Sediments From Multiple First-Order Reversal Curve-Type Diagrams. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 998-1017.	1.4	9
44	The cost-efficiency and reliability of two methods for soil organic C accounting. <i>Land Degradation and Development</i> , 2018, 29, 506-520.	1.8	18
45	Proximal spectral sensing in pedological assessments: visâ€NIR spectra for soil classification based on weathering and pedogenesis. <i>Geoderma</i> , 2018, 318, 123-136.	2.3	57
46	Current and future assessments of soil erosion by water on the Tibetan Plateau based on RUSLE and CMIP5 climate models. <i>Science of the Total Environment</i> , 2018, 635, 673-686.	3.9	184
47	Multiscale contextual spatial modelling with the Gaussian scale space. <i>Geoderma</i> , 2018, 310, 128-137.	2.3	46
48	Multi-scale digital soil mapping with deep learning. <i>Scientific Reports</i> , 2018, 8, 15244.	1.6	85
49	Continental soil drivers of ammonium and nitrate in Australia. <i>Soil</i> , 2018, 4, 213-224.	2.2	5
50	A geostatistical sensor data fusion approach for delineating homogeneous management zones in Precision Agriculture. <i>Catena</i> , 2018, 167, 293-304.	2.2	41
51	Integrating multi-source data to improve water erosion mapping in Tibet, China. <i>Catena</i> , 2018, 169, 31-45.	2.2	25
52	Proximal Soil and Plant Sensing. <i>Assa, Cssa and Sssa</i> , 2018, , 119-140.	0.6	16
53	Spatial modelling with Euclidean distance fields and machine learning. <i>European Journal of Soil Science</i> , 2018, 69, 757-770.	1.8	91
54	Proximal sensing for soil carbon accounting. <i>Soil</i> , 2018, 4, 101-122.	2.2	29

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55	Evaluation of two methods to eliminate the effect of water from soil's NIR spectra for predictions of organic carbon. <i>Geoderma</i> , 2017, 296, 98-107.	2.3	65
56	Novel Proximal Sensing for Monitoring Soil Organic C Stocks and Condition. <i>Environmental Science & Technology</i> , 2017, 51, 5630-5641.	4.6	74
57	Soil legacy data rescue via GlobalSoilMap and other international and national initiatives. <i>GeoResJ</i> , 2017, 14, 1-19.	1.4	102
58	Local data mines information from spectral libraries to improve local calibrations. <i>European Journal of Soil Science</i> , 2017, 68, 840-852.	1.8	58
59	Guest Editorial: Near Infrared Spectroscopy for a Better Understanding of Soil. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, v-vi.	0.8	3
60	Soil sensing: A new paradigm for agriculture. <i>Agricultural Systems</i> , 2016, 148, 71-74.	3.2	128
61	Assessment of soil properties in situ using a prototype portable MIR spectrometer in two agricultural fields. <i>Biosystems Engineering</i> , 2016, 152, 14-27.	1.9	54
62	Sensing of soil bulk density for more accurate carbon accounting. <i>European Journal of Soil Science</i> , 2016, 67, 504-513.	1.8	39
63	Can the sequestered carbon in agricultural soil be maintained with changes in management, temperature and rainfall? A sensitivity assessment. <i>Geoderma</i> , 2016, 268, 22-28.	2.3	7
64	Prediction of soil attributes using the Chinese soil spectral library and standardized spectra recorded at field conditions. <i>Soil and Tillage Research</i> , 2016, 155, 492-500.	2.6	71
65	Proximal sensing of Cu in soil and lettuce using portable X-ray fluorescence spectrometry. <i>Geoderma</i> , 2016, 265, 6-11.	2.3	50
66	A global spectral library to characterize the world's soil. <i>Earth-Science Reviews</i> , 2016, 155, 198-230.	4.0	546
67	Baseline estimates of soil organic carbon by proximal sensing: Comparing design-based, model-assisted and model-based inference. <i>Geoderma</i> , 2016, 265, 152-163.	2.3	62
68	Assimilating satellite imagery and visible near infrared spectroscopy to model and map soil loss by water erosion in Australia. <i>Environmental Modelling and Software</i> , 2016, 77, 156-167.	1.9	106
69	A new detailed map of total phosphorus stocks in Australian soil. <i>Science of the Total Environment</i> , 2016, 542, 1040-1049.	3.9	53
70	Do we really need large spectral libraries for local scale SOC assessment with NIR spectroscopy?. <i>Soil and Tillage Research</i> , 2016, 155, 501-509.	2.6	88
71	How does grinding affect the mid-infrared spectra of soil and their multivariate calibrations to texture and organic carbon?. <i>Soil Research</i> , 2015, 53, 913.	0.6	62
72	Soil and Landscape Grid of Australia. <i>Soil Research</i> , 2015, 53, 835.	0.6	167

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73	Developing the Australian mid-infrared spectroscopic database using data from the Australian Soil Resource Information System. <i>Soil Research</i> , 2015, 53, 922.	0.6	19
74	Soil organic carbon and its fractions estimated by visible–near infrared transfer functions. <i>European Journal of Soil Science</i> , 2015, 66, 438-450.	1.8	99
75	Prediction of soil organic matter using a spatially constrained local partial least squares regression and the Chinese vis–NIR spectral library. <i>European Journal of Soil Science</i> , 2015, 66, 679-687.	1.8	138
76	Proximal soil sensing of soil texture and organic matter with a prototype portable mid-infrared spectrometer. <i>European Journal of Soil Science</i> , 2015, 66, 661-669.	1.8	32
77	Improved estimates of organic carbon using proximally sensed vis–NIR spectra corrected by piecewise direct standardization. <i>European Journal of Soil Science</i> , 2015, 66, 670-678.	1.8	49
78	Selected papers from the Third Global Workshop on Proximal Soil Sensing 2013. <i>European Journal of Soil Science</i> , 2015, 66, 629-630.	1.8	0
79	Accounting for the effects of water and the environment on proximally sensed vis–NIR soil spectra and their calibrations. <i>European Journal of Soil Science</i> , 2015, 66, 555-565.	1.8	133
80	Toxicity and bioaccumulation of Cu in an accumulator crop (<i>Lactuca sativa</i> L.) in different Australian agricultural soils. <i>Scientia Horticulturae</i> , 2015, 193, 346-352.	1.7	16
81	Spectral libraries for quantitative analyses of tropical Brazilian soils: Comparing vis–NIR and mid-IR reflectance data. <i>Geoderma</i> , 2015, 255-256, 81-93.	2.3	155
82	Integrating geospatial and multi-depth laboratory spectral data for mapping soil classes in a geologically complex area in southeastern Brazil. <i>European Journal of Soil Science</i> , 2015, 66, 767-779.	1.8	20
83	The Australian three-dimensional soil grid: Australia’s contribution to the GlobalSoilMap project. <i>Soil Research</i> , 2015, 53, 845.	0.6	201
84	Foreword to “Soil & Landscape Grid of Australia”. <i>Soil Research</i> , 2015, 53, i.	0.6	0
85	Australian net (1950s–1990) soil organic carbon erosion: implications for CO ₂ emission and land–atmosphere modelling. <i>Biogeosciences</i> , 2014, 11, 5235-5244.	1.3	26
86	Baseline map of organic carbon in Australian soil to support national carbon accounting and monitoring under climate change. <i>Global Change Biology</i> , 2014, 20, 2953-2970.	4.2	222
87	Assessment of soil organic carbon at local scale with spiked NIR calibrations: effects of selection and extra-weighting on the spiking subset. <i>European Journal of Soil Science</i> , 2014, 65, 248-263.	1.8	85
88	Applications of proximal sensing to soil science. <i>European Journal of Soil Science</i> , 2014, 65, 815-815.	1.8	0
89	Curvelet transform to study scale-dependent anisotropic soil spatial variation. <i>Geoderma</i> , 2014, 213, 589-599.	2.3	15
90	The Performance of Visible, Near-, and Mid-Infrared Reflectance Spectroscopy for Prediction of Soil Physical, Chemical, and Biological Properties. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 139-186.	3.4	559

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91	Development of a national VNIR soil-spectral library for soil classification and prediction of organic matter concentrations. <i>Science China Earth Sciences</i> , 2014, 57, 1671-1680.	2.3	143
92	Soil classification using visible/near-infrared diffuse reflectance spectra from multiple depths. <i>Geoderma</i> , 2014, 223-225, 73-78.	2.3	91
93	Mapping gamma radiation and its uncertainty from weathering products in a Tasmanian landscape with a proximal sensor and random forest kriging. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 735-748.	1.2	39
94	Special issue on proximal soil sensing. <i>Geoderma</i> , 2013, 199, 1.	2.3	4
95	The importance of sampling support for explaining change in soil organic carbon. <i>Geoderma</i> , 2013, 193-194, 323-325.	2.3	15
96	Separating scale-specific soil spatial variability: A comparison of multi-resolution analysis and empirical mode decomposition. <i>Geoderma</i> , 2013, 209-210, 57-64.	2.3	43
97	Distance and similarity-search metrics for use with soil visâ€NIR spectra. <i>Geoderma</i> , 2013, 199, 43-53.	2.3	63
98	Characterizing scaleâ€and locationâ€specific variation in nonâ€linear soil systems using the wavelet transform. <i>European Journal of Soil Science</i> , 2013, 64, 706-715.	1.8	15
99	The likelihood of observing dust-stimulated phytoplankton growth in waters proximal to the Australian continent. <i>Journal of Marine Systems</i> , 2013, 117-118, 43-52.	0.9	30
100	Soil Analysis Using Visible and Near Infrared Spectroscopy. <i>Methods in Molecular Biology</i> , 2013, 953, 95-107.	0.4	27
101	Fluctuations in methodâ€ofâ€moments variograms caused by clustered sampling and their elimination by declustering and residual maximum likelihood estimation. <i>European Journal of Soil Science</i> , 2013, 64, 401-409.	1.8	17
102	Soil organic carbon dust emission: an omitted global source of atmospheric CO_2. <i>Global Change Biology</i> , 2013, 19, 3238-3244.	4.2	56
103	Visible-Near Infrared Spectra as a Proxy for Topsoil Texture and Glacial Boundaries. <i>Soil Science Society of America Journal</i> , 2013, 77, 568-579.	1.2	55
104	Quantitative Soil Spectroscopy. <i>Applied and Environmental Soil Science</i> , 2013, 2013, 1-3.	0.8	29
105	Multiple observation types reduce uncertainty in Australia's terrestrial carbon and water cycles. <i>Biogeosciences</i> , 2013, 10, 2011-2040.	1.3	100
106	Separating Scale-Specific Spatial Variability in Two Dimensions using Bi-Dimensional Empirical Mode Decomposition. <i>Soil Science Society of America Journal</i> , 2013, 77, 1991-1995.	1.2	15
107	Predicting soil properties from the Australian soil visibleâ€near infrared spectroscopic database. <i>European Journal of Soil Science</i> , 2012, 63, 848-860.	1.8	237
108	Reflectance spectroscopy: a tool for predicting soil properties related to the incidence of Fe chlorosis. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 1133.	0.3	15

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109	Spatial uncertainty of the ¹³⁷ Cs reference inventory for Australian soil. Journal of Geophysical Research, 2011, 116, .	3.3	11
110	Spatial uncertainty of ¹³⁷ Cs-derived net (1950s–1990) soil redistribution for Australia. Journal of Geophysical Research, 2011, 116, .	3.3	22
111	Fine-resolution multiscale mapping of clay minerals in Australian soils measured with near infrared spectra. Journal of Geophysical Research, 2011, 116, .	3.3	78
112	Proximal Soil Sensing: An Effective Approach for Soil Measurements in Space and Time. Advances in Agronomy, 2011, 113, 243-291.	2.4	165
113	Using targeted sampling to process multivariate soil sensing data. Geoderma, 2011, 163, 63-73.	2.3	43
114	Advances in Agronomy. Advances in Agronomy, 2011, , iii.	2.4	5
115	Discrimination of Australian soil horizons and classes from their visible-near infrared spectra. European Journal of Soil Science, 2011, 62, 637-647.	1.8	85
116	On the soil information content of visible–near infrared reflectance spectra. European Journal of Soil Science, 2011, 62, 442-453.	1.8	64
117	Digitally mapping the information content of visible–near infrared spectra of surficial Australian soils. Remote Sensing of Environment, 2011, 115, 1443-1455.	4.6	102
118	Precision Agriculture: Proximal Soil Sensing. Encyclopedia of Earth Sciences Series, 2011, , 650-656.	0.1	9
119	Spatial Modeling of a Soil Fertility Index using Visible–Near Infrared Spectra and Terrain Attributes. Soil Science Society of America Journal, 2010, 74, 1293-1300.	1.2	38
120	Using Wavelets to Analyse Proximally Sensed Vis–NIR Soil Spectra. , 2010, , 201-210.		1
121	Diagnostic Screening of Urban Soil Contaminants Using Diffuse Reflectance Spectroscopy. , 2010, , 191-199.		4
122	Diffuse Reflectance Spectroscopy for High-Resolution Soil Sensing. , 2010, , 29-47.		31
123	Mapping iron oxides and the color of Australian soil using visible–near infrared reflectance spectra. Journal of Geophysical Research, 2010, 115, .	3.3	79
124	Visible and Near Infrared Spectroscopy in Soil Science. Advances in Agronomy, 2010, 107, 163-215.	2.4	953
125	Environmental sensor networks for vegetation, animal and soil sciences. International Journal of Applied Earth Observation and Geoinformation, 2010, 12, 303-316.	1.4	55
126	The potential of NIR spectroscopy to predict stability parameters in sewage sludge and derived compost. Geoderma, 2010, 158, 93-100.	2.3	21

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127	Using data mining to model and interpret soil diffuse reflectance spectra. <i>Geoderma</i> , 2010, 158, 46-54.	2.3	912
128	Development of On-the-Go Proximal Soil Sensor Systems. , 2010, , 15-28.		25
129	Proximal Soil Nutrient Sensing Using Electrochemical Sensors. , 2010, , 77-88.		12
130	Using Proximal Soil Sensors for Digital Soil Mapping. , 2010, , 79-92.		2
131	Diagnostic screening of urban soil contaminants using diffuse reflectance spectroscopy. <i>Soil Research</i> , 2009, 47, 433.	0.6	40
132	Improved analysis and modelling of soil diffuse reflectance spectra using wavelets. <i>European Journal of Soil Science</i> , 2009, 60, 453-464.	1.8	95
133	Regional predictions of soil organic carbon content from spectral reflectance measurements. <i>Biosystems Engineering</i> , 2009, 104, 442-446.	1.9	45
134	In situ measurements of soil colour, mineral composition and clay content by vis-NIR spectroscopy. <i>Geoderma</i> , 2009, 150, 253-266.	2.3	366
135	The Soil Spectroscopy Group and the Development of a Global Soil Spectral Library. <i>NIR News</i> , 2009, 20, 14-15.	1.6	37
136	Using a digital camera to measure soil organic carbon and iron contents. <i>Biosystems Engineering</i> , 2008, 100, 149-159.	1.9	133
137	ParLeS: Software for chemometric analysis of spectroscopic data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 90, 72-83.	1.8	244
138	Soil organic carbon prediction by hyperspectral remote sensing and field vis-NIR spectroscopy: An Australian case study. <i>Geoderma</i> , 2008, 146, 403-411.	2.3	458
139	Using a legacy soil sample to develop a mid-IR spectral library. <i>Soil Research</i> , 2008, 46, 1.	0.6	140
140	Diffuse Reflectance Spectroscopy as a Tool for Digital Soil Mapping. , 2008, , 165-172.		16
141	Comparing Spectral Soil Inference Systems and Mid-Infrared Spectroscopic Predictions of Soil Moisture Retention. <i>Soil Science Society of America Journal</i> , 2008, 72, 1394-1400.	1.2	24
142	Robust Modelling of Soil Diffuse Reflectance Spectra by Bagging-Partial Least Squares Regression. <i>Journal of Near Infrared Spectroscopy</i> , 2007, 15, 39-47.	0.8	98
143	Multivariate calibration of hyperspectral γ -ray energy spectra for proximal soil sensing. <i>European Journal of Soil Science</i> , 2007, 58, 343-353.	1.8	142
144	Visible, near infrared, mid infrared or combined diffuse reflectance spectroscopy for simultaneous assessment of various soil properties. <i>Geoderma</i> , 2006, 131, 59-75.	2.3	1,613

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145	Colour space models for soil science. <i>Geoderma</i> , 2006, 133, 320-337.	2.3	309
146	Spectral soil analysis and inference systems: A powerful combination for solving the soil data crisis. <i>Geoderma</i> , 2006, 136, 272-278.	2.3	164
147	Determining the composition of mineral-organic mixes using UV-vis-NIR diffuse reflectance spectroscopy. <i>Geoderma</i> , 2006, 137, 70-82.	2.3	415
148	Spatial point-process statistics: concepts and application to the analysis of lead contamination in urban soil. <i>Environmetrics</i> , 2005, 16, 339-355.	0.6	9
149	Rapid, quantitative and spatial field measurements of soil pH using an Ion Sensitive Field Effect Transistor. <i>Geoderma</i> , 2004, 119, 9-20.	2.3	35
150	Modelling the kinetics of buffer reactions for rapid field predictions of lime requirements. <i>Geoderma</i> , 2003, 114, 49-63.	2.3	9
151	Spatio-temporal Simulation of the Field-scale Evolution of Organic Carbon over the Landscape. <i>Soil Science Society of America Journal</i> , 2003, 67, 1477-1486.	1.2	37
152	A response-surface calibration model for rapid and versatile site-specific lime-requirement predictions in south-eastern Australia. <i>Soil Research</i> , 2001, 39, 185.	0.6	20
153	Assessment of the production and economic risks of site-specific liming using geostatistical uncertainty modelling. <i>Environmetrics</i> , 2001, 12, 699-711.	0.6	21
154	Title is missing!. <i>Precision Agriculture</i> , 2000, 2, 163-178.	3.1	3
155	Laboratory evaluation of a proximal sensing technique for simultaneous measurement of soil clay and water content. <i>Geoderma</i> , 1998, 85, 19-39.	2.3	155
156	Soil chemical analytical accuracy and costs: implications from precision agriculture. <i>Australian Journal of Experimental Agriculture</i> , 1998, 38, 765.	1.0	155
157	Spatial Prediction for Precision Agriculture. <i>Assa, Cssa and Sssa</i> , 0, , 331-342.	0.6	17