Budiman B Minasny

List of Publications by Year
in descending order

367 papers	24,312 citations	11235 73 h-index	10955 142 g-index
389 all docs	389 docs citations	389 times ranked	16844 citing authors

#	Article	IF	Citations
1	Digital Soil Morphometrics. , 2023, , 568-578.		2
2	Hand-feel soil texture observations to evaluate the accuracy of digital soil maps for local prediction of soil particle size distribution: A case study in Central France. Pedosphere, 2023, 33, 731-743.	2.1	5
3	To spike or to localize? Strategies to improve the prediction of local soil properties using regional spectral library. Geoderma, 2022, 406, 115501.	2.3	25
4	Land-use affects soil microbial co-occurrence networks and their putative functions. Applied Soil Ecology, 2022, 169, 104184.	2.1	32
5	Soil bacterial depth distribution controlled by soil orders and soil forms. Soil Ecology Letters, 2022, 4, 57-68.	2.4	10
6	An improved drought-fire assessment for managing fire risks in tropical peatlands. Agricultural and Forest Meteorology, 2022, 312, 108738.	1.9	15
7	Digital mapping of GlobalSoilMap soil properties at a broad scale: A review. Geoderma, 2022, 409, 115567.	2.3	167
8	Digital mapping of potentially toxic elements enrichment in soils of Urmia Lake due to water level decline. Science of the Total Environment, 2022, 808, 152086.	3.9	13
9	The Increasing Role of Indonesian Women in Soil Science: Current & Future Challenges. Soil Security, 2022, , 100050.	1.2	4
10	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. Critical Reviews in Environmental Science and Technology, 2022, 52, 4308-4324.	6.6	52
11	Comparison of flour mill stream blending approaches: Linear programming versus ash curve. Cereal Chemistry, 2022, 99, 568-581.	1.1	2
12	Hundred fifty years of soil security research in Indonesia: Shifting topics, modes of research and gender balance. Soil Security, 2022, 6, 100049.	1.2	5
13	Groundwater table and soil-hydrological properties datasets of Indonesian peatlands. Data in Brief, 2022, 41, 107903.	0.5	4
14	Mid-infrared spectroscopy for accurate measurement of an extensive set of soil properties for assessing soil functions. Soil Security, 2022, 6, 100043.	1.2	35
15	The Brazilian Soil Spectral Service (BraSpecS): A User-Friendly System for Global Soil Spectra Communication. Remote Sensing, 2022, 14, 740.	1.8	11
16	Sustaining the productivity and ecosystem services of soils in Indonesia. Geoderma Regional, 2022, 28, e00488.	0.9	1
17	Free iron oxide content in tropical soils predicted by integrative digital mapping. Soil and Tillage Research, 2022, 219, 105346.	2.6	5
18	Hand-feel soil texture and particle-size distribution in central France. Relationships and implications. Catena, 2022, 213, 106155.	2.2	12

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19	High-Resolution Mapping of Paddy Rice Extent and Growth Stages across Peninsular Malaysia Using a Fusion of Sentinel-1 and 2 Time Series Data in Google Earth Engine. Remote Sensing, 2022, 14, 1875.	1.8	21
20	A wellâ€established fact: Rapid mineralization of organic inputs is an important factor for soil carbon sequestration. European Journal of Soil Science, 2022, 73, .	1.8	15
21	Regenerative Agriculture and Its Potential to Improve Farmscape Function. Sustainability, 2022, 14, 5815.	1.6	24
22	Current NPP cannot predict future soil organic carbon sequestration potential. Comment on â€œPhotosynthetic limits on carbon sequestration in croplandsâ€. Geoderma, 2022, 424, 115975.	2.3	13
23	Development of aÂcrop water use monitoring systemÂusingÂelectromagnetic induction survey. Soil and Tillage Research, 2022, 223, 105451.	2.6	1
24	Coolie Legend on the Deli Plantation. Bijdragen Tot De Taal-, Land- En Volkenkunde, 2022, 178, 159-191.	0.3	2
25	Using homosoils for quantitative extrapolation of soil mapping models. European Journal of Soil Science, 2022, 73, .	1.8	5
26	The role of soil carbon sequestration in enhancing human resilience in tackling global crises including pandemics. Soil Security, 2022, 8, 100069.	1.2	6
27	Predicting soil properties in 3D: Should depth be a covariate?. Geoderma, 2021, 383, 114794.	2.3	36
28	A review of the world's soil museums and exhibitions. Advances in Agronomy, 2021, 166, 277-304.	2.4	6
29	Spatiotemporal modelling of soil organic matter changes in Jiangsu, China between 1980 and 2006 using INLA-SPDE. Geoderma, 2021, 384, 114808.	2.3	14
30	Legacy data-based national-scale digital mapping of key soil properties in India. Geoderma, 2021, 381, 114684.	2.3	41
31	Measuring soil bulk density from shear wave velocity using piezoelectric sensors. Soil Research, 2021, 59, 107.	0.6	2
32	Creating a soil parent material map digitally using a combination of interpretation and statistical techniques. Soil Research, 2021, 59, 684-698.	0.6	5
33	Estimating Soil Properties and Classes from Spectra. Progress in Soil Science, 2021, , 165-214.	0.4	0
34	Selection of the Samples for Laboratory Analysis. Progress in Soil Science, 2021, , 143-164.	0.4	0
35	Spectral Transfer and Transformation. Progress in Soil Science, 2021, , 215-247.	0.4	0
36	Greater, but not necessarily better: The influence of biochar on soil hydraulic properties. European Journal of Soil Science, 2021, 72, 2033-2048.	1.8	11

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37	Density of soil observations in digital soil mapping: A study in the Mayenne region, France. Geoderma Regional, 2021, 24, e00358.	0.9	15
38	Digital soil mapping and assessment for Australia and beyond: A propitious future. Geoderma Regional, 2021, 24, e00359.	0.9	29
39	Rapid and cost-effective nutrient content analysis of cotton leaves using near-infrared spectroscopy (NIRS). PeerJ, 2021, 9, e11042.	0.9	16
40	Changes in Anak Krakatau landscape after December 2018 eruption. IOP Conference Series: Earth and Environmental Science, 2021, 708, 012088.	0.2	3
41	Evaluating the Splintex model for estimating the soil water retention curve for a wide range of soils. Soil and Tillage Research, 2021, 209, 104974.	2.6	3
42	Identifying soil provenance based on portable X-ray fluorescence measurements using similarity and inverse-mapping approaches â€“ A case in the Lower Hunter Valley, Australia. Geoderma Regional, 2021, 25, e00368.	0.9	5
43	Spectral information related to soil slaking: An example from Australia. Geoderma Regional, 2021, 25, e00386.	0.9	0
44	Geochemical and mineralogical composition of the 2018 volcanic deposits of Mt. Anak Krakatau. Geoderma Regional, 2021, 25, e00393.	0.9	2
45	Applying volcanic ash to croplands â€“ The untapped natural solution. Soil Security, 2021, 3, 100006.	1.2	11
46	Paper self-citation rates of leading soil science journals. Catena, 2021, 202, 105232.	2.2	2
47	A modelling framework for pedogenon mapping. Geoderma, 2021, 393, 115012.	2.3	11
48	Application of response surface methodology for optimization of wheat flour milling process. Cereal Chemistry, 2021, 98, 1215-1226.	1.1	8
49	Geochemical Characterization and Evolution of Soils from Krakatau Islands. Eurasian Soil Science, 2021, 54, 1629-1643.	0.5	4
50	A framework to assess changes in soil condition and capability over large areas. Soil Security, 2021, 4, 100011.	1.2	9
51	Pedotransfer functions for estimating soil hydraulic properties from saturation to dryness. Geoderma, 2021, 403, 115194.	2.3	15
52	Cocoa suitability mapping using multi-criteria decision making: An agile step towards soil security. Soil Security, 2021, 5, 100019.	1.2	3
53	Exploratory Soil Spectral Analysis. Progress in Soil Science, 2021, , 81-113.	0.4	1
54	Soil Sensing. Progress in Precision Agriculture, 2021, , 93-132.	1.1	4

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55	Modeling soil development in a landscape context. , 2021, , .		2
56	Evaluating low-cost portable near infrared sensors for rapid analysis of soils from South Eastern Australia. Geoderma Regional, 2020, 20, e00240.	0.9	39
57	Microbial processing of organic matter drives stability and pore geometry of soil aggregates. Geoderma, 2020, 360, 114033.	2.3	41
58	Convolutional neural network for soil microplastic contamination screening using infrared spectroscopy. Science of the Total Environment, 2020, 702, 134723.	3.9	71
59	Operationalising digital soil mapping â€“ Lessons from Australia. Geoderma Regional, 2020, 23, e00335.	0.9	21
60	Machine learning for digital soil mapping: Applications, challenges and suggested solutions. Earth-Science Reviews, 2020, 210, 103359.	4.0	215
61	Near infrared (NIR) spectroscopy as a rapid and cost-effective method for nutrient analysis of plant leaf tissues. Advances in Agronomy, 2020, , 1-49.	2.4	32
62	Peat Physical and Hydraulic Properties Due to Peatland Fires. IOP Conference Series: Earth and Environmental Science, 2020, 504, 012020.	0.2	1
63	Developing a soil spectral library using a low-cost NIR spectrometer for precision fertilization in Indonesia. Geoderma Regional, 2020, 22, e00319.	0.9	26
64	History and interpretation of early soil and organic matter investigations in Deli, Sumatra, Indonesia. Catena, 2020, 195, 104909.	2.2	5
65	Towards a global-scale soil climate mitigation strategy. Nature Communications, 2020, 11, 5427.	5.8	302
66	Soil apparent electrical conductivityâ€directed sampling design for advancing soil characterization in agricultural fields. Vadose Zone Journal, 2020, 19, e20060.	1.3	7
67	Editorial for Special Issue â€œDigital Mapping in Dynamic Environmentsâ€• Remote Sensing, 2020, 12, 3384.	1.8	0
68	Global soil science research collaboration in the 21st century: Time to end helicopter research. Geoderma, 2020, 373, 114299.	2.3	53
69	Drainage increases CO₂ and N₂O emissions from tropical peat soils. Global Change Biology, 2020, 26, 4583-4600.	4.2	55
70	Simple functions for describing soil water retention and the unsaturated hydraulic conductivity from saturation to complete dryness. Journal of Hydrology, 2020, 588, 125041.	2.3	24
71	Human-induced changes in Indonesian peatlands increase drought severity. Environmental Research Letters, 2020, 15, 084013.	2.2	23
72	Near real-time mapping of air temperature at high spatiotemporal resolutions in Tasmania, Australia. Theoretical and Applied Climatology, 2020, 141, 1181-1201.	1.3	3

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73	Response to comments on â€œglobal soil science research collaboration in the 21st Century: Time to end helicopter researchâ€. Geoderma, 2020, 373, 114303.	2.3	0
74	Precocious 19th century soil carbon science. Geoderma Regional, 2020, 22, e00306.	0.9	23
75	Machine learning and soil sciences: a review aided by machine learning tools. Soil, 2020, 6, 35-52.	2.2	195
76	Crops for increasing soil organic carbon stocks â€“ A global meta analysis. Geoderma, 2020, 367, 114230.	2.3	45
77	Automated soil particleâ€size analysis using time of flight distance ranging sensor. Soil Science Society of America Journal, 2020, 84, 690-699.	1.2	9
78	Evaluating an adaptive sampling algorithm to assist soil survey in New South Wales, Australia. Geoderma Regional, 2020, 21, e00284.	0.9	0
79	Spatial distribution of iron forms and features in the dried lake bed of Urmia Lake of Iran. Geoderma Regional, 2020, 21, e00275.	0.9	10
80	Disaggregating a regional-extent digital soil map using Bayesian area-to-point regression kriging for farm-scale soil carbon assessment. Soil, 2020, 6, 359-369.	2.2	6
81	Comparing three approaches of spatial disaggregation of legacy soil maps based on the Disaggregation and Harmonisation of Soil Map Units Through Resampled Classification Trees (DSMART) algorithm. Soil, 2020, 6, 371-388.	2.2	13
82	Game theory interpretation of digital soil mapping convolutional neural networks. Soil, 2020, 6, 389-397.	2.2	64
83	The influence of training sample size on the accuracy of deep learning models for the prediction of soil properties with near-infrared spectroscopy data. Soil, 2020, 6, 565-578.	2.2	84
84	Modeling Air Temperature Inside an Organic Vegetable Greenhouse. Agrivita, 2020, 42, .	0.2	2
85	Near infrared diffuse reflectance spectroscopy for rapid and comprehensive soil condition assessment in smallholder cacao farming systems of Papua New Guinea. Catena, 2019, 183, 104185.	2.2	15
86	Automated Near-Real-Time Mapping and Monitoring of Rice Extent, Cropping Patterns, and Growth Stages in Southeast Asia Using Sentinel-1 Time Series on a Google Earth Engine Platform. Remote Sensing, 2019, 11, 1666.	1.8	58
87	Volcanic Ash, Insecurity for the People but Securing Fertile Soil for the Future. Sustainability, 2019, 11, 3072.	1.6	39
88	Evaluating a lowâ€cost portable <scp>NIR</scp> spectrometer for the prediction of soil organic and total carbon using different calibration models. Soil Use and Management, 2019, 35, 607-616.	2.6	37
89	Online machine learning for collaborative biophysical modelling. Environmental Modelling and Software, 2019, 122, 104548.	1.9	6
90	Improved disaggregation of conventional soil maps. Geoderma, 2019, 341, 148-160.	2.3	33

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91	The feasibility of predicting the spatial pattern of soil particle-size distribution using a pedogenesis model. Geoderma, 2019, 341, 195-205.	2.3	24
92	Pedology and digital soil mapping (DSM). European Journal of Soil Science, 2019, 70, 216-235.	1.8	136
93	Transfer learning to localise a continental soil vis-NIR calibration model. Geoderma, 2019, 340, 279-288.	2.3	86
94	Addressing the issue of digital mapping of soil classes with imbalanced class observations. Geoderma, 2019, 350, 84-92.	2.3	43
95	Some practical aspects of predicting texture data in digital soil mapping. Soil and Tillage Research, 2019, 194, 104289.	2.6	48
96	Convolutional neural network for simultaneous prediction of several soil properties using visible/near-infrared, mid-infrared, and their combined spectra. Geoderma, 2019, 352, 251-267.	2.3	262
97	Multi-source data integration for soil mapping using deep learning. Soil, 2019, 5, 107-119.	2.2	66
98	A Framework for the Development of Wetland for Agricultural Use in Indonesia. Resources, 2019, 8, 34.	1.6	33
99	Digital Mapping of Soil Classes Using Ensemble of Models in Isfahan Region, Iran. Soil Systems, 2019, 3, 37.	1.0	32
100	Digital mapping of peatlands â€" A critical review. Earth-Science Reviews, 2019, 196, 102870.	4.0	102
101	Mapping imbalanced soil classes using Markov chain random fields models treated with data resampling technique. Computers and Electronics in Agriculture, 2019, 159, 110-118.	3.7	25
102	Using deep learning for digital soil mapping. Soil, 2019, 5, 79-89.	2.2	144
103	POLARIS Soil Properties: 30â€m Probabilistic Maps of Soil Properties Over the Contiguous United States. Water Resources Research, 2019, 55, 2916-2938.	1.7	77
104	Optimizing wavelength selection by using informative vectors for parsimonious infrared spectra modelling. Computers and Electronics in Agriculture, 2019, 158, 201-210.	3.7	33
105	Merging country, continental and global predictions of soil texture: Lessons from ensemble modelling in France. Geoderma, 2019, 337, 99-110.	2.3	43
106	Spatial changes in soil chemical properties in an agricultural zone in southeastern China due to land consolidation. Soil and Tillage Research, 2019, 187, 152-160.	2.6	23
107	Retrospective monitoring of the spatial variability of crystalline iron in soils of the east shore of Urmia Lake, Iran using remotely sensed data and digital maps. Geoderma, 2019, 337, 1196-1207.	2.3	17
108	Using deep learning to predict soil properties from regional spectral data. Geoderma Regional, 2019, 16, e00198.	0.9	176

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109	Evaluating the spatial and vertical distribution of agriculturally important nutrients â€" nitrogen, phosphorous and boron â€" in North West Iran. Catena, 2019, 173, 71-82.	2.2	35
110	Open digital mapping for accurate assessment of tropical peatlands. , 2019, , 3-8.		1
111	Auditing on-farm soil carbon stocks using downscaled national mapping products: Examples from Australia and New Zealand. Geoderma Regional, 2018, 13, 1-14.	0.9	5
112	Comparisons between USDA soil taxonomy and the Australian Soil Classification system II: Comparison of order, suborder and great group taxa. Geoderma, 2018, 322, 48-55.	2.3	12
113	Digital Mapping of Soil Classes and Continuous Soil Properties. Progress in Soil Science, 2018, , 373-413.	0.4	12
114	One-, Two- and Three-Dimensional Pedogenetic Models. Progress in Soil Science, 2018, , 555-593.	0.4	1
115	Classical Soil Geostatistics. Progress in Soil Science, 2018, , 291-340.	0.4	2
116	Statistical Distributions of Soil Properties. Progress in Soil Science, 2018, , 59-86.	0.4	1
117	Pedotransfer Functions and Soil Inference Systems. Progress in Soil Science, 2018, , 195-220.	0.4	6
118	Rejoinder to the comment on: B. Minasny & A.B. McBratney. 2018. Limited effect of organic matter on soil available water capacity. European Journal of Soil Science, 2018, 69, 155-157.	1.8	10
119	Accounting for the measurement error of spectroscopically inferred soil carbon data for improved precision of spatial predictions. Science of the Total Environment, 2018, 631-632, 377-389.	3.9	19
120	A nomenclature algorithm for a potentially global soil taxonomy. Geoderma, 2018, 322, 56-70.	2.3	7
121	Rejoinder to Comments on Minasny et al., 2017 Soil carbon 4 per mille Geoderma 292, 59â€"86. Geoderma, 2018, 309, 124-129.	2.3	34
122	Spatial variability of Australian soil texture: A multiscale analysis. Geoderma, 2018, 309, 60-74.	2.3	22
123	The location- and scale- specific correlation between temperature and soil carbon sequestration across the globe. Science of the Total Environment, 2018, 615, 540-548.	3.9	31
124	Limited effect of organic matter on soil available water capacity. European Journal of Soil Science, 2018, 69, 39-47.	1.8	315
125	A mechanistic model to predict soil thickness in a valley area of Rio Grande do Sul, Brazil. Geoderma, 2018, 309, 17-31.	2.3	11
126	Humusica 2, article 19: Techno humus systems and global changeâ€"conservation agriculture and 4/1000 proposal. Applied Soil Ecology, 2018, 122, 271-296.	2.1	15

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127	Soil temperature increase in eastern Australia for the past 50 years. Geoderma, 2018, 313, 241-249.	2.3	19
128	Open digital mapping as a cost-effective method for mapping peat thickness and assessing the carbon stock of tropical peatlands. Geoderma, 2018, 313, 25-40.	2.3	96
129	Spatial analysis of frost risk to determine viticulture suitability in Tasmania, Australia. Australian Journal of Grape and Wine Research, 2018, 24, 219-233.	1.0	11
130	In search of an optimum sampling algorithm for prediction of soil properties from infrared spectra. PeerJ, 2018, 6, e5722.	0.9	34
131	A preliminary soil security assessment of agricultural land in middleâ€eastern China. Soil Use and Management, 2018, 34, 584-596.	2.6	9
132	The carbon sequestration potential of terrestrial ecosystems. Journal of Soils and Water Conservation, 2018, 73, 145A-152A.	0.8	180
133	Combining ancillary soil data with VisNIR spectra to improve predictions of organic and inorganic carbon content of soils. MethodsX, 2018, 5, 551-560.	0.7	14
134	Prediction of total silicon concentrations in French soils using pedotransfer functions from mid-infrared spectrum and pedological attributes. Geoderma, 2018, 331, 70-80.	2.3	14
135	Clorpt Functions. Progress in Soil Science, 2018, , 549-554.	0.4	2
136	Variograms of Soil Properties for Agricultural and Environmental Applications. Progress in Soil Science, 2018, , 623-667.	0.4	4
137	Farm-Scale Soil Carbon Auditing. Progress in Soil Science, 2018, , 693-720.	0.4	1
138	Soil Properties Drive Microbial Community Structure in a Large Scale Transect in South Eastern Australia. Scientific Reports, 2018, 8, 11725.	1.6	155
139	THE GLOBALSOILMAP PROJECT: PAST, PRESENT, FUTURE, AND NATIONAL EXAMPLES FROM FRANCE. Dokuchaev Soil Bulletin, 2018, , 3-23.	0.1	5
140	Description and spatial inference of soil drainage using matrix soil colours in the Lower Hunter Valley, New South Wales, Australia. PeerJ, 2018, 6, e4659.	0.9	10
141	Soil carbon 4 per mille. Geoderma, 2017, 292, 59-86.	2.3	1,279
142	Chile and the Chilean soil grid: A contribution to GlobalSoilMap. Geoderma Regional, 2017, 9, 17-28.	0.9	80
143	Two-dimensional empirical mode decomposition of heavy metal spatial variation in agricultural soils, Southeast China. Environmental Science and Pollution Research, 2017, 24, 8302-8314.	2.7	21
144	Geochemical fingerprinting of volcanic soils used for wetland rice in West Sumatra, Indonesia. Geoderma Regional, 2017, 10, 48-63.	0.9	14

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145	Soil legacy data rescue via GlobalSoilMap and other international and national initiatives. GeoResJ, 2017, 14, 1-19.	1.4	102
146	Mapping key soil properties to support agricultural production in Eastern China. Geoderma Regional, 2017, 10, 144-153.	0.9	66
147	3D soil water nowcasting using electromagnetic conductivity imaging and the ensemble Kalman filter. Journal of Hydrology, 2017, 549, 62-78.	2.3	10
148	Quantifying and predicting spatio-temporal variability of soil CH 4 and N 2 O fluxes from a seemingly homogeneous Australian agricultural field. Agriculture, Ecosystems and Environment, 2017, 240, 182-193.	2.5	38
149	Rapid assessment of petroleum-contaminated soils with infrared spectroscopy. Geoderma, 2017, 289, 150-160.	2.3	43
150	Temperature-dependent hysteresis effects on EM induction instruments: An example of single-frequency multi-coil array instruments. Computers and Electronics in Agriculture, 2017, 132, 76-85.	3.7	13
151	Digital soil mapping of soil carbon at the farm scale: A spatial downscaling approach in consideration of measured and uncertain data. Geoderma, 2017, 290, 91-99.	2.3	84
152	Creating a novel comprehensive soil classification system by sequentially adding taxa from existing systems. Geoderma Regional, 2017, 11, 123-140.	0.9	10
153	Unravelling scale- and location-specific variations in soil properties using the 2-dimensional empirical mode decomposition. Geoderma, 2017, 307, 139-149.	2.3	23
154	Comparison of regression methods for spatial downscaling of soil organic carbon stocks maps. Computers and Electronics in Agriculture, 2017, 142, 91-100.	3.7	15
155	Comparisons between USDA Soil Taxonomy and the Australian Soil Classification System I: Data harmonization, calculation of taxonomic distance and inter-taxa variation. Geoderma, 2017, 307, 198-209.	2.3	26
156	The role of atmospheric correction algorithms in the prediction of soil organic carbon from Hyperion data. International Journal of Remote Sensing, 2017, 38, 6435-6456.	1.3	13
157	Evaluating a Bayesian modelling approach (INLA-SPDE) for environmental mapping. Science of the Total Environment, 2017, 609, 621-632.	3.9	46
158	Utilizing a <scp>DUALEM</scp>â€421 and inversion modelling to map baseline soil salinity along toposequences in the Hunter Valley Wine district. Soil Use and Management, 2017, 33, 413-424.	2.6	12
159	Pedotransfer Functions in Earth System Science: Challenges and Perspectives. Reviews of Geophysics, 2017, 55, 1199-1256.	9.0	316
160	Using R for Digital Soil Mapping. Progress in Soil Science, 2017, , .	0.4	58
161	Using ultrasonic energy to elucidate the effects of decomposing plant residues on soil aggregation. Soil and Tillage Research, 2017, 167, 1-8.	2.6	12
162	Monitoring and modelling soil water dynamics using electromagnetic conductivity imaging and the ensemble Kalman filter. Geoderma, 2017, 285, 76-93.	2.3	47

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163	Digital Soil Mapping. Progress in Soil Science, 2017, , 1-5.	0.4	6
164	Digital Soil Assessments. Progress in Soil Science, 2017, , 245-260.	0.4	2
165	R Literacy for Digital Soil Mapping. Progress in Soil Science, 2017, , 7-79.	0.4	0
166	Continuous Soil Attribute Modeling and Mapping. Progress in Soil Science, 2017, , 117-149.	0.4	1
167	Categorical Soil Attribute Modeling and Mapping. Progress in Soil Science, 2017, , 151-167.	0.4	3
168	Some Methods for the Quantification of Prediction Uncertainties for Digital Soil Mapping. Progress in Soil Science, 2017, , 169-219.	0.4	5
169	Combining Continuous and Categorical Modeling: Digital Soil Mapping of Soil Horizons and Their Depths. Progress in Soil Science, 2017, , 231-244.	0.4	0
170	More Data or a Better Model? Figuring Out What Matters Most for the Spatial Prediction of Soil Carbon. Soil Science Society of America Journal, 2017, 81, 1413-1426.	1.2	67
171	Measuring functional pedodiversity using spectroscopic information. Catena, 2017, 152, 103-114.	2.2	16
172	Reply to â€œComment on â€œPotential of integrated field spectroscopy and spatial analysis for enhanced assessment of soil contamination: A prospective reviewâ€•by Horta et alâ€• Geoderma, 2016, 271, 256-257.	2.3	4
173	Measuring and Modelling Soil Depth Functions. Progress in Soil Science, 2016, , 225-240.	0.4	18
174	The Effect of Soil Moisture and Texture on Fe Concentration Using Portable X-Ray Fluorescence Spectrometers. Progress in Soil Science, 2016, , 63-71.	0.4	14
175	Developments in Digital Soil Morphometrics. Progress in Soil Science, 2016, , 425-433.	0.4	0
176	Modeling Soil Processes: Review, Key Challenges, and New Perspectives. Vadose Zone Journal, 2016, 15, 1-57.	1.3	445
177	Synergistic Use of Visâ€NIR, MIR, and XRF Spectroscopy for the Determination of Soil Geochemistry. Soil Science Society of America Journal, 2016, 80, 888-899.	1.2	72
178	Monitoring and Modeling Soil Change: The Influence of Human Activity and Climatic Shifts on Aspects of Soil Spatiotemporally. Advances in Agronomy, 2016, 139, 153-214.	2.4	15
179	An assessment of model averaging to improve predictive power of portable vis-NIR and XRF for the determination of agronomic soil properties. Geoderma, 2016, 279, 31-44.	2.3	124
180	The history of using rainfall data to improve production in the grain industry in Australiaâ€"from Goyder to ENSO. Crop and Pasture Science, 2016, 67, 467.	0.7	4

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181	Soil slaking assessment using image recognition. Soil and Tillage Research, 2016, 163, 119-129.	2.6	53
182	Mapping a Profile Wall of a Typic Udipsamments from the Central Sands in Wisconsin, USA. Progress in Soil Science, 2016, , 191-206.	0.4	6
183	Long-term variability of the leading seasonal modes of rainfall in south-eastern Australia. Weather and Climate Extremes, 2016, 13, 1-14.	1.6	34
184	Spatiotemporal monthly rainfall forecasts for south-eastern and eastern Australia using climatic indices. Theoretical and Applied Climatology, 2016, 124, 1045-1063.	1.3	14
185	Farm-scale soil carbon auditing. Geoderma, 2016, 265, 120-130.	2.3	68
186	Further results on comparison of methods for quantifying soil carbon in tropical peats. Geoderma, 2016, 269, 108-111.	2.3	16
187	Utilizing portable X-ray fluorescence spectrometry for in-field investigation of pedogenesis. Catena, 2016, 139, 220-231.	2.2	138
188	Soil pH increase under paddy in South Korea between 2000 and 2012. Agriculture, Ecosystems and Environment, 2016, 221, 205-213.	2.5	77
189	Digital mapping for cost-effective and accurate prediction of the depth and carbon stocks in Indonesian peatlands. Geoderma, 2016, 272, 20-31.	2.3	59
190	Mapping soil organic carbon content over New South Wales, Australia using local regression kriging. Geoderma Regional, 2016, 7, 38-48.	0.9	62
191	Comparing regression-based digital soil mapping and multiple-point geostatistics for the spatial extrapolation of soil data. Geoderma, 2016, 262, 243-253.	2.3	64
192	Digital soil mapping: A brief history and some lessons. Geoderma, 2016, 264, 301-311.	2.3	403
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