

# Kurt A Spokas

## List of Publications by Citations

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**Version:** 2024-04-26

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140  
papers

8,710  
citations

46  
h-index

91  
g-index

152  
ext. papers

10,015  
ext. citations

5.2  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
140	Review of the stability of biochar in soils: predictability of O:C molar ratios. <i>Carbon Management</i> , <b>2010</b> , 1, 289-303	3.3	637
139	Biochar: a synthesis of its agronomic impact beyond carbon sequestration. <i>Journal of Environmental Quality</i> , <b>2012</b> , 41, 973-89	3.4	595
138	Impacts of woodchip biochar additions on greenhouse gas production and sorption/degradation of two herbicides in a Minnesota soil. <i>Chemosphere</i> , <b>2009</b> , 77, 574-81	8.4	449
137	Microbial methane oxidation processes and technologies for mitigation of landfill gas emissions. <i>Waste Management and Research</i> , <b>2009</b> , 27, 409-55	4	347
136	Qualitative analysis of volatile organic compounds on biochar. <i>Chemosphere</i> , <b>2011</b> , 85, 869-82	8.4	323
135	Characteristics and Applications of Biochar for Environmental Remediation: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2015</b> , 45, 939-969	11.1	276
134	Methane mass balance at three landfill sites: what is the efficiency of capture by gas collection systems?. <i>Waste Management</i> , <b>2006</b> , 26, 516-25	8.6	255
133	Ethylene: potential key for biochar amendment impacts. <i>Plant and Soil</i> , <b>2010</b> , 333, 443-452	4.2	227
132	Physical and chemical characterization of waste wood derived biochars. <i>Waste Management</i> , <b>2015</b> , 36, 256-68	8.6	220
131	Nitrogen oxide and methane emissions under varying tillage and fertilizer management. <i>Journal of Environmental Quality</i> , <b>2005</b> , 34, 1467-77	3.4	211
130	Biochar's role as an alternative N-fertilizer: ammonia capture. <i>Plant and Soil</i> , <b>2012</b> , 350, 35-42	4.2	197
129	Physical Disintegration of Biochar: An Overlooked Process. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 326-332	11	177
128	Challenges and opportunities for mitigating nitrous oxide emissions from fertilized cropping systems. <i>Frontiers in Ecology and the Environment</i> , <b>2012</b> , 10, 562-570	5.5	177
127	Biochar, soil and land-use interactions that reduce nitrate leaching and NO emissions: A meta-analysis. <i>Science of the Total Environment</i> , <b>2019</b> , 651, 2354-2364	10.2	174
126	Impact of biochar field aging on laboratory greenhouse gas production potentials. <i>GCB Bioenergy</i> , <b>2013</b> , 5, 165-176	5.6	167
125	Phosphorus reclamation through hydrothermal carbonization of animal manures. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 10323-9	10.3	153
124	Predicting the impact of biochar additions on soil hydraulic properties. <i>Chemosphere</i> , <b>2016</b> , 142, 136-44	8.4	146

123	Kinetics of Methane Oxidation in a Landfill Cover Soil: Temporal Variations, a Whole-Landfill Oxidation Experiment, and Modeling of Net CH <sub>4</sub> Emissions. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 2504-2514	10.3	137
122	Landfills as atmospheric methane sources and sinks. <i>Chemosphere</i> , <b>1995</b> , 31, 4119-4130	8.4	121
121	Activated Carbon, Biochar and Charcoal: Linkages and Synergies across Pyrogenic Carbon ABCs. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 182	3	117
120	Influence of biochar amendments on the sorption-desorption of aminocyclopyrachlor, bentazone and pyraclostrobin pesticides to an agricultural soil. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 438-43	10.2	114
119	Landfill CH <sub>4</sub> : Rates, fates, and role in global carbon cycle. <i>Chemosphere</i> , <b>1993</b> , 26, 369-386	8.4	108
118	Microstructural and associated chemical changes during the composting of a high temperature biochar: Mechanisms for nitrate, phosphate and other nutrient retention and release. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 1210-1223	10.2	107
117	Comparative sorption and leaching study of the herbicides fluometuron and 4-chloro-2-methylphenoxyacetic acid (MCPA) in a soil amended with biochars and other sorbents. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 12550-60	5.7	106
116	Limits and dynamics of methane oxidation in landfill cover soils. <i>Waste Management</i> , <b>2011</b> , 31, 823-32	8.6	106
115	Determination of polycyclic aromatic hydrocarbons in biochar and biochar amended soil. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2013</b> , 103, 60-67	6	100
114	Feedstock choice, pyrolysis temperature and type influence biochar characteristics: a comprehensive meta-data analysis review. <i>Biochar</i> , <b>2020</b> , 2, 421-438	10	96
113	BIOCHAR AS A TOOL TO REDUCE THE AGRICULTURAL GREENHOUSE-GAS BURDEN [KNOWN, UNKNOWN AND FUTURE RESEARCH NEEDS. <i>Journal of Environmental Engineering and Landscape Management</i> , <b>2017</b> , 25, 114-139	1.1	93
112	Sorption of ammonium and nitrate to biochars is electrostatic and pH-dependent. <i>Scientific Reports</i> , <b>2018</b> , 8, 17627	4.9	93
111	Accuracy and Precision Analysis of Chamber-Based Nitrous Oxide Gas Flux Estimates. <i>Soil Science Society of America Journal</i> , <b>2009</b> , 73, 1087-1093	2.5	84
110	Influence of soil biochar aging on sorption of the herbicides MCPA, nicosulfuron, terbuthylazine, indaziflam, and fluoroethyldiaminotriazine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 10855-60	5.7	82
109	Implications of the spatial variability of landfill emission rates on geospatial analyses. <i>Waste Management</i> , <b>2003</b> , 23, 599-607	8.6	77
108	Short-term temporal changes of soil carbon losses after tillage described by a first-order decay model. <i>Soil and Tillage Research</i> , <b>2008</b> , 99, 108-118	6.5	69
107	Designing advanced biochar products for maximizing greenhouse gas mitigation potential. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2016</b> , 46, 1367-1401	11.1	69
106	Analytical pyrolysis of synthetic chars derived from biomass with potential agronomic application (biochar). Relationships with impacts on microbial carbon dioxide production. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2012</b> , 93, 77-84	6	67

105	Remediation of an acidic mine spoil: Miscanthus biochar and lime amendment affects metal availability, plant growth, and soil enzyme activity. <i>Chemosphere</i> , <b>2018</b> , 205, 709-718	8.4	65
104	Biochar and Manure Effects on Net Nitrogen Mineralization and Greenhouse Gas Emissions from Calcareous Soil under Corn. <i>Soil Science Society of America Journal</i> , <b>2014</b> , 78, 1641-1655	2.5	60
103	Impact of Biochar on Earthworm Populations: A Review. <i>Applied and Environmental Soil Science</i> , <b>2011</b> , 2011, 1-12	3.8	59
102	Observations on the methane oxidation capacity of landfill soils. <i>Waste Management</i> , <b>2011</b> , 31, 914-25	8.6	59
101	Software Tools for Weed Seed Germination Modeling. <i>Weed Science</i> , <b>2009</b> , 57, 216-227	2	59
100	Seasonal greenhouse gas emissions (methane, carbon dioxide, nitrous oxide) from engineered landfills: daily, intermediate, and final California cover soils. <i>Journal of Environmental Quality</i> , <b>2011</b> , 40, 1010-20	3.4	56
99	A Hydrothermal Seedling Emergence Model for Giant Ragweed ( <i>Ambrosia trifida</i> ). <i>Weed Science</i> , <b>2008</b> , 56, 555-560	2	56
98	Estimating hourly incoming solar radiation from limited meteorological data. <i>Weed Science</i> , <b>2006</b> , 54, 182-189	2	54
97	Assessment of Mesotrione Leaching Applied Alone and Mixed in Seven Tropical Soils Columns under Laboratory Conditions. <i>Agriculture (Switzerland)</i> , <b>2018</b> , 8, 1	3	53
96	Biochars impact on water infiltration and water quality through a compacted subsoil layer. <i>Chemosphere</i> , <b>2016</b> , 142, 160-7	8.4	49
95	Genetic variation for life history sensitivity to seasonal warming in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , <b>2014</b> , 196, 569-77	4	47
94	Carbon and Nitrogen Storage are Greater under Biennial Tillage in a Minnesota Corn/Soybean Rotation. <i>Soil Science Society of America Journal</i> , <b>2006</b> , 70, 1752-1762	2.5	46
93	Soil Health, Crop Productivity, Microbial Transport, and Mine Spoil Response to Biochars. <i>Bioenergy Research</i> , <b>2016</b> , 9, 454-464	3.1	43
92	Pesticide sorption and leaching potential on three Hawaiian soils. <i>Journal of Environmental Management</i> , <b>2015</b> , 159, 227-234	7.9	42
91	Efficacies of designer biochars in improving biomass and nutrient uptake of winter wheat grown in a hard setting subsoil layer. <i>Chemosphere</i> , <b>2016</b> , 142, 176-83	8.4	41
90	Multi-year and multi-location soil quality and crop biomass yield responses to hardwood fast pyrolysis biochar. <i>Geoderma</i> , <b>2017</b> , 289, 46-53	6.7	41
89	Quantification and source apportionment of the methane emission flux from the city of Indianapolis. <i>Elementa</i> , <b>2015</b> , 3,	3.6	41
88	Influence of pyrolysis temperature and hardwood species on resulting biochar properties and their effect on azimsulfuron sorption as compared to other sorbents. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 1454-1464	10.2	40

87	Temporal Variations in Greenhouse Gas Emissions at a Midlatitude Landfill. <i>Journal of Environmental Quality</i> , <b>1999</b> , 28, 278-288	3.4	40
86	Review of the Effects of Biochar Amendment on Soil Properties and Carbon Sequestration. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , <b>2016</b> , 20, 04015013	2.3	39
85	Characterization and selection of biochar for an efficient retention of tricyclazole in a flooded alluvial paddy soil. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 286, 581-8	12.8	38
84	Mechanisms of N <sub>2</sub> O production following chloropicrin fumigation. <i>Applied Soil Ecology</i> , <b>2006</b> , 31, 101-109		37
83	An Emergence Model for Wild Oat ( <i>Avena fatua</i> ). <i>Weed Science</i> , <b>2007</b> , 55, 584-591	2	36
82	Changes in sorption and bioavailability of herbicides in soil amended with fresh and aged biochar. <i>Geoderma</i> , <b>2019</b> , 337, 341-349	6.7	36
81	Greenhouse gas production in mixtures of soil with composted and noncomposted biochars is governed by char-associated organic compounds. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 971-9	3.4	35
80	Biochar Soil Additions Affect Herbicide Fate: Importance of Application Timing and Feedstock Species. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 3109-3117	5.7	34
79	GHG impacts of biochar: Predictability for the same biochar. <i>Agriculture, Ecosystems and Environment</i> , <b>2015</b> , 207, 183-191	5.7	34
78	Leachate water quality of soils amended with different swine manure-based amendments. <i>Chemosphere</i> , <b>2016</b> , 142, 92-9	8.4	33
77	Rapid and distinct responses of particulate and mineral-associated organic nitrogen to conservation tillage and cover crops. <i>Geoderma</i> , <b>2020</b> , 359, 114001	6.7	32
76	Sorption and predicted mobility of herbicides in Baltic soils. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2007</b> , 42, 641-7	2.2	31
75	Greenhouse gas production and emission from a forest nursery soil following fumigation with chloropicrin and methyl isothiocyanate. <i>Soil Biology and Biochemistry</i> , <b>2005</b> , 37, 475-485	7.5	30
74	Metolachlor Sorption and Degradation in Soil Amended with Fresh and Aged Biochars. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 3141-9	5.7	30
73	A process-based inventory model for landfill CH <sub>4</sub> emissions inclusive of seasonal soil microclimate and CH <sub>4</sub> oxidation. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		29
72	Large differences in potential denitrification and sediment microbial communities across the Laurentian great lakes. <i>Biogeochemistry</i> , <b>2016</b> , 128, 353-368	3.8	27
71	Denitrification kinetics in biomass- and biochar-amended soils of different landscape positions. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 5152-63	5.1	26
70	Soil Functional Zone Management: A Vehicle for Enhancing Production and Soil Ecosystem Services in Row-Crop Agroecosystems. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 65	6.2	25

69	Construction of an Electrical Device for Sampling Earthworm Populations in the Field. <i>Applied Engineering in Agriculture</i> , <b>2008</b> , 24, 391-397	0.8	24
68	Mechanisms for 1,3-Dichloropropene Dissipation in Biochar-Amended Soils. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 2531-40	5.7	23
67	Assessing the Effect of Organoclays and Biochar on the Fate of Abscisic Acid in Soil. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 29-38	5.7	21
66	Short-term temporal changes of bare soil CO <sub>2</sub> fluxes after tillage described by first-order decay models. <i>European Journal of Soil Science</i> , <b>2009</b> , 60, 258-264	3.4	21
65	Concentration and Release of Phosphorus and Potassium From Lignocellulosic- and Manure-Based Biochars for Fertilizer Reuse. <i>Frontiers in Sustainable Food Systems</i> , <b>2018</b> , 2,	4.8	20
64	Degradation of methyl isothiocyanate and chloropicrin in forest nursery soils. <i>Journal of Environmental Quality</i> , <b>2005</b> , 34, 1566-72	3.4	20
63	Understanding Activation Effects on Low-Temperature Biochar for Optimization of Herbicide Sorption. <i>Agronomy</i> , <b>2019</b> , 9, 588	3.6	20
62	Pyrolysis biochar has negligible effects on soil greenhouse gas production, microbial communities, plant germination, and initial seedling growth. <i>Chemosphere</i> , <b>2019</b> , 228, 565-576	8.4	18
61	Enhancing Cation Exchange Capacity of Weathered Soils Using Biochar: Feedstock, Pyrolysis Conditions and Addition Rate. <i>Agronomy</i> , <b>2020</b> , 10, 824	3.6	18
60	Crop residue decomposition in Minnesota biochar-amended plots. <i>Solid Earth</i> , <b>2014</b> , 5, 499-507	3.3	17
59	Structural Equation Modeling Facilitates Transdisciplinary Research on Agriculture and Climate Change. <i>Crop Science</i> , <b>2014</b> , 54, 475-483	2.4	16
58	Assessing biochar's ability to reduce bioavailability of aminocyclopyrachlor in soils. <i>Environmental Pollution</i> , <b>2014</b> , 189, 92-7	9.3	16
57	Emergence Prediction of Common Groundsel ( <i>Senecio vulgaris</i> ). <i>Weed Science</i> , <b>2008</b> , 56, 58-65	2	16
56	A comparison of soil hydrothermal properties in zonal and uniform tillage systems across the US Corn Belt. <i>Geoderma</i> , <b>2016</b> , 273, 12-19	6.7	16
55	Glyphosate sorption/desorption on biochars - interactions of physical and chemical processes. <i>Pest Management Science</i> , <b>2018</b> , 74, 1206-1212	4.6	15
54	Carbon Dosing Increases Nitrate Removal Rates in Denitrifying Bioreactors at Low-Temperature High-Flow Conditions. <i>Journal of Environmental Quality</i> , <b>2018</b> , 47, 856-864	3.4	15
53	SeedChaser: Vertical soil tillage distribution model. <i>Computers and Electronics in Agriculture</i> , <b>2007</b> , 57, 62-73	6.5	15
52	Atmospheric emissions of methyl isothiocyanate and chloropicrin following soil fumigation and surface containment treatment in bare-root forest nurseries. <i>Canadian Journal of Forest Research</i> , <b>2005</b> , 35, 1202-1212	1.9	15

51	Biochar reduces the efficiency of nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) mitigating NO emissions. <i>Scientific Reports</i> , <b>2019</b> , 9, 2346	4.9	15
50	Reconciling opposing soil processes in row-crop agroecosystems via soil functional zone management. <i>Agriculture, Ecosystems and Environment</i> , <b>2017</b> , 236, 99-107	5.7	14
49	CO(2) and N(2)O emissions in a soil chronosequence at a glacier retreat zone in Maritime Antarctica. <i>Science of the Total Environment</i> , <b>2015</b> , 521-522, 336-45	10.2	14
48	Fumigant distribution in forest nursery soils under water seal and plastic film after application of dazomet, metam-sodium and chloropicrin. <i>Pest Management Science</i> , <b>2006</b> , 62, 263-73	4.6	14
47	Stimulation of nitrous oxide production resulted from soil fumigation with chloropicrin. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 3501-3507	5.3	14
46	Biochar research activities and their relation to development and environmental quality. A meta-analysis. <i>Agronomy for Sustainable Development</i> , <b>2017</b> , 37, 1	6.8	13
45	Response of maize germination and growth to hydrothermal carbonization filtrate type and amount. <i>Plant and Soil</i> , <b>2015</b> , 396, 127-136	4.2	13
44	From California dreaming to California data: Challenging historic models for landfill CH4 emissions. <i>Elementa</i> , <b>2015</b> , 3,	3.6	13
43	Phytostabilization of Zn and Cd in Mine Soil Using Corn in Combination with Biochars and Manure-Based Compost. <i>Environments - MDPI</i> , <b>2019</b> , 6, 69	3.2	12
42	Can using polymer-coated seed reduce the risk of poor soybean emergence in no-tillage soil?. <i>Field Crops Research</i> , <b>2012</b> , 125, 109-116	5.5	12
41	Effects of soil fumigants on methanotrophic activity. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 8150-8162	5.3	12
40	First-order decay models to describe soil C-CO2 Loss after rotary tillage. <i>Scientia Agricola</i> , <b>2009</b> , 66, 650-657	6.5	11
39	Field measurements and modeling to resolve m2 to km2 CH4 emissions for a complex urban source: An Indiana landfill study. <i>Elementa</i> , <b>2017</b> , 5,	3.6	11
38	Precision control of soil nitrogen cycling via soil functional zone management. <i>Agriculture, Ecosystems and Environment</i> , <b>2016</b> , 231, 291-295	5.7	11
37	Effects of biochars and hydrochars produced from lignocellulosic and animal manure on fertility of a Mollisol and Entisol. <i>Soil Use and Management</i> , <b>2014</b> , 30, n/a-n/a	3.1	10
36	Phytostabilization of acidic mine tailings with biochar, biosolids, lime, and locally-sourced microbial inoculum: Do amendment mixtures influence plant growth, tailing chemistry, and microbial composition?. <i>Applied Soil Ecology</i> , <b>2021</b> , 165, 103962	5	10
35	Dynamic Effect of Fresh and Aged Biochar on the Behavior of the Herbicide Mesotrione in Soils. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 9450-9459	5.7	9
34	Evaluating Agricultural Management Effects on Alachlor Availability: Tillage, Green Manure, and Biochar. <i>Agronomy</i> , <b>2017</b> , 7, 64	3.6	9

33	Global Diversity of the Brachypodium Species Complex as a Resource for Genome-Wide Association Studies Demonstrated for Agronomic Traits in Response to Climate. <i>Genetics</i> , <b>2019</b> , 211, 317-331	4	9
32	Ratio of CO <sub>2</sub> and O <sub>2</sub> as index for categorising soil biological activity in sugarcane areas under contrasting straw management regimes. <i>Soil Research</i> , <b>2018</b> , 56, 373	1.8	8
31	Assessing Microbial Contributions to N <sub>2</sub> O Impacts Following Biochar Additions. <i>Agronomy</i> , <b>2014</b> , 4, 478-496	3.6	8
30	Improved methodology to assess modification and completion of landfill gas management in the aftercare period. <i>Waste Management</i> , <b>2012</b> , 32, 2364-73	8.6	8
29	Collapse of Reacted Fracture Surface Decreases Permeability and Frictional Strength. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 12799-12811	3.6	8
28	Phenolic Acid Sorption to Biochars from Mixtures of Feedstock Materials. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	7
27	Soil Greenhouse Gases: Relations to Soil Attributes in a Sugarcane Production Area. <i>Soil Science Society of America Journal</i> , <b>2017</b> , 81, 1168-1178	2.5	7
26	Swathing and Windrowing as Harvest Aids for Cuphea. <i>Agronomy Journal</i> , <b>2007</b> , 99, 415-418	2.2	7
25	Impact of Biochar Particle Shape and Size on Saturated Hydraulic Properties of Soil. <i>Korean Journal of Environmental Agriculture</i> , <b>2018</b> , 37, 1-8	0.6	6
24	Columns and Detectors Recommended in Gas Chromatography to Measure Greenhouse Emission and O <sub>2</sub> Uptake in Soil: A Review. <i>Communications in Soil Science and Plant Analysis</i> , <b>2020</b> , 51, 582-594	1.5	5
23	Research and Application of Biochar in North America. <i>SSSA Special Publication Series</i> , <b>2015</b> , 475-494	0	5
22	Plant Macro- and Micronutrient Dynamics in a Biochar-Amended Wetland Muck. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	5
21	Field System for Continuous Measurement of Landfill Gas Pressures and Temperatures. <i>Waste Management and Research</i> , <b>1996</b> , 14, 233-242	4	5
20	Biochar changes the bioavailability and bioefficacy of the allelochemical coumarin in agricultural soils. <i>Pest Management Science</i> , <b>2021</b> , 77, 834-843	4.6	5
19	Effect of leachate recirculation on landfill gas production and leachate quality: A controlled laboratory study		4
18	Biomass or biochar [which is better at improving soil hydraulic properties?]. <i>Acta Horticulturae</i> , <b>2016</b> , 235-242	0.3	4
17	Sugarcane residue management impact soil greenhouse gas. <i>Ciencia E Agrotecnologia</i> , <b>2018</b> , 42, 195-203	1.6	4
16	Biochar insights from laboratory incubations monitoring O <sub>2</sub> consumption and CO <sub>2</sub> production. <i>Biochar</i> , <b>2019</b> , 1, 249-258	10	3

15	Impacts of Biochar (Black Carbon) Additions on the Sorption and Efficacy of Herbicides <b>2011</b> ,		3
14	Measurement of Microbial Biomass and Activity in Landfill Soils. <i>Waste Management and Research</i> , <b>1995</b> , 13, 137-147	4	2
13	Crop residue decomposition in Minnesota biochar amended plots		2
12	Microbial response to designer biochar and compost treatments for mining impacted soils.. <i>Biochar</i> , <b>2021</b> , 3, 299-314	10	2
11	Measurement of microbial biomass and activity in landfill soils. <i>Waste Management and Research</i> , <b>1995</b> , 13, 137-147	4	1
10	Potential of Remineralization as a Global Movement <b>2014</b> , 111-140		1
9	Temperature alters dicyandiamide (DCD) efficacy for multiple reactive nitrogen species in urea-amended soils: Experiments and modeling. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 160, 108341	7.5	1
8	Nitrate removal and nitrous oxide production from upflow and downflow column woodchip bioreactors. <i>Agricultural and Environmental Letters</i> , <b>2020</b> , 5, e20024	1.5	0
7	Relative proportions of organic carbon functional groups in biochars as influenced by spectral data collection and processing. <i>Chemosphere</i> , <b>2021</b> , 283, 131023	8.4	0
6	Enhanced control of soil nitrogen cycling through soil functional zone management. <i>Crops &amp; Soils</i> , <b>2016</b> , 49, 42-45	0.3	
5	FIELD SYSTEM FOR CONTINUOUS MEASUREMENT OF LANDFILL GAS PRESSURES AND TEMPERATURES. <i>Waste Management and Research</i> , <b>1996</b> , 14, 233-242	4	
4	Sorption and desorption of bicyclopyrone on soils. <i>Agricultural and Environmental Letters</i> , <b>2020</b> , 5, e200305		
3	Effect of Carbonaceous Soil Amendments on Potential Mobility of Weak Acid Herbicides in Soil <b>2013</b> , 497-500		
2	Creating a Biochar Roadmap. <i>CSA News</i> , <b>2018</b> , 63, 24-25	0.1	
1	Does Turbulent-flow Conditioning of Irrigation Water Influence Soil Chemical Processes: II. Long-term Soil and Crop Study. <i>Communications in Soil Science and Plant Analysis</i> , <b>2022</b> , 53, 636-650	1.5	