

# Kurt A Spokas

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4813118/kurt-a-spokas-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	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	
139	Microbial response to designer biochar and compost treatments for mining impacted soils.. <i>Biochar</i> , <b>2021</b> , 3, 299-314	10	2
138	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
137	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
136	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
135	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
134	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
133	Columns and Detectors Recommended in Gas Chromatography to Measure Greenhouse Emission and O2 Uptake in Soil: A Review. <i>Communications in Soil Science and Plant Analysis</i> , <b>2020</b> , 51, 582-594	1.5	5
132	Sorption and desorption of bicyclopyrone on soils. <i>Agricultural and Environmental Letters</i> , <b>2020</b> , 5, e200395		
131	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
130	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
129	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
128	Biochar insights from laboratory incubations monitoring O2 consumption and CO2 production. <i>Biochar</i> , <b>2019</b> , 1, 249-258	10	3
127	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
126	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
125	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
124	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

123	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
122	Understanding Activation Effects on Low-Temperature Biochar for Optimization of Herbicide Sorption. <i>Agronomy</i> , <b>2019</b> , 9, 588	3.6	20
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	Activated Carbon, Biochar and Charcoal: Linkages and Synergies across Pyrogenic Carbon ABCs. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 182	3	117
113	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
112	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
111	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
110	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
109	Creating a Biochar Roadmap. <i>CSA News</i> , <b>2018</b> , 63, 24-25	0.1	
108	Sugarcane residue management impact soil greenhouse gas. <i>Ciencia E Agrotecnologia</i> , <b>2018</b> , 42, 195-203	1.6	4
107	Sorption of ammonium and nitrate to biochars is electrostatic and pH-dependent. <i>Scientific Reports</i> , <b>2018</b> , 8, 17627	4.9	93
106	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

105	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
104	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
103	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
102	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
101	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
100	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
99	Evaluating Agricultural Management Effects on Alachlor Availability: Tillage, Green Manure, and Biochar. <i>Agronomy</i> , <b>2017</b> , 7, 64	3.6	9
98	Field measurements and modeling to resolve m <sup>2</sup> to km <sup>2</sup> CH <sub>4</sub> emissions for a complex urban source: An Indiana landfill study. <i>Elementa</i> , <b>2017</b> , 5,	3.6	11
97	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
96	Predicting the impact of biochar additions on soil hydraulic properties. <i>Chemosphere</i> , <b>2016</b> , 142, 136-44	8.4	146
95	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
94	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
93	Leachate water quality of soils amended with different swine manure-based amendments. <i>Chemosphere</i> , <b>2016</b> , 142, 92-9	8.4	33
92	Enhanced control of soil nitrogen cycling through soil functional zone management. <i>Crops &amp; Soils</i> , <b>2016</b> , 49, 42-45	0.3	
91	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
90	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
89	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
88	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

87	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
86	Biomass or biochar ¶which is better at improving soil hydraulic properties?. <i>Acta Horticulturae</i> , <b>2016</b> , 235-242	0.3	4
85	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
84	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
83	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
82	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
81	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
80	Pesticide sorption and leaching potential on three Hawaiian soils. <i>Journal of Environmental Management</i> , <b>2015</b> , 159, 227-234	7.9	42
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	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
77	Physical and chemical characterization of waste wood derived biochars. <i>Waste Management</i> , <b>2015</b> , 36, 256-68	8.6	220
76	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
75	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
74	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
73	Research and Application of Biochar in North America. <i>SSSA Special Publication Series</i> , <b>2015</b> , 475-494	0	5
72	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
71	Quantification and source apportionment of the methane emission flux from the city of Indianapolis. <i>Elementa</i> , <b>2015</b> , 3,	3.6	41
70	From California dreaming to California data: Challenging historic models for landfill CH4 emissions. <i>Elementa</i> , <b>2015</b> , 3,	3.6	13

69	Influence of soil biochar aging on sorption of the herbicides MCPA, nicosulfuron, terbutylazine, indaziflam, and fluoroethyldiaminotriazine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 10855-60	5.7	82
68	Phosphorus reclamation through hydrothermal carbonization of animal manures. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 10323-9	10.3	153
67	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
66	Physical Disintegration of Biochar: An Overlooked Process. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 326-332	11	177
65	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
64	Structural Equation Modeling Facilitates Transdisciplinary Research on Agriculture and Climate Change. <i>Crop Science</i> , <b>2014</b> , 54, 475-483	2.4	16
63	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
62	Crop residue decomposition in Minnesota biochar-amended plots. <i>Solid Earth</i> , <b>2014</b> , 5, 499-507	3.3	17
61	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
60	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
59	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
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	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
56	Potential of Remineralization as a Global Movement <b>2014</b> , 111-140		1
55	Impact of biochar field aging on laboratory greenhouse gas production potentials. <i>GCB Bioenergy</i> , <b>2013</b> , 5, 165-176	5.6	167
54	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
53	Effect of Carbonaceous Soil Amendments on Potential Mobility of Weak Acid Herbicides in Soil <b>2013</b> , 497-500		
52	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

51	Biochar's role as an alternative N-fertilizer: ammonia capture. <i>Plant and Soil</i> , <b>2012</b> , 350, 35-42	4.2	197
50	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
49	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
48	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
47	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
46	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
45	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
44	Impacts of Biochar (Black Carbon) Additions on the Sorption and Efficacy of Herbicides <b>2011</b> ,		3
43	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
42	Impact of Biochar on Earthworm Populations: A Review. <i>Applied and Environmental Soil Science</i> , <b>2011</b> , 2011, 1-12	3.8	59
41	Observations on the methane oxidation capacity of landfill soils. <i>Waste Management</i> , <b>2011</b> , 31, 914-25	8.6	59
40	Qualitative analysis of volatile organic compounds on biochar. <i>Chemosphere</i> , <b>2011</b> , 85, 869-82	8.4	323
39	Limits and dynamics of methane oxidation in landfill cover soils. <i>Waste Management</i> , <b>2011</b> , 31, 823-32	8.6	106
38	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
37	Ethylene: potential key for biochar amendment impacts. <i>Plant and Soil</i> , <b>2010</b> , 333, 443-452	4.2	227
36	First-order decay models to describe soil C-CO <sub>2</sub> Loss after rotary tillage. <i>Scientia Agricola</i> , <b>2009</b> , 66, 650-657		11
35	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
34	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



33	Software Tools for Weed Seed Germination Modeling. <i>Weed Science</i> , <b>2009</b> , 57, 216-227	2	59
32	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
31	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
30	A Hydrothermal Seedling Emergence Model for Giant Ragweed ( <i>Ambrosia trifida</i> ). <i>Weed Science</i> , <b>2008</b> , 56, 555-560	2	56
29	Emergence Prediction of Common Groundsel ( <i>Senecio vulgaris</i> ). <i>Weed Science</i> , <b>2008</b> , 56, 58-65	2	16
28	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
27	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
26	An Emergence Model for Wild Oat ( <i>Avena fatua</i> ). <i>Weed Science</i> , <b>2007</b> , 55, 584-591	2	36
25	Swathing and Windrowing as Harvest Aids for <i>Cuphea</i> . <i>Agronomy Journal</i> , <b>2007</b> , 99, 415-418	2.2	7
24	Effects of soil fumigants on methanotrophic activity. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 8150-8162	5.3	12
23	SeedChaser: Vertical soil tillage distribution model. <i>Computers and Electronics in Agriculture</i> , <b>2007</b> , 57, 62-73	6.5	15
22	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
21	Estimating hourly incoming solar radiation from limited meteorological data. <i>Weed Science</i> , <b>2006</b> , 54, 182-189	2	54
20	Mechanisms of N <sub>2</sub> O production following chloropicrin fumigation. <i>Applied Soil Ecology</i> , <b>2006</b> , 31, 101-109		37
19	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
18	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
17	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
16	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



15	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
14	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
13	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
12	Stimulation of nitrous oxide production resulted from soil fumigation with chloropicrin. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 3501-3507	5.3	14
11	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
10	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
9	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
8	FIELD SYSTEM FOR CONTINUOUS MEASUREMENT OF LANDFILL GAS PRESSURES AND TEMPERATURES. <i>Waste Management and Research</i> , <b>1996</b> , 14, 233-242	4	
7	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
6	Measurement of Microbial Biomass and Activity in Landfill Soils. <i>Waste Management and Research</i> , <b>1995</b> , 13, 137-147	4	2
5	Landfills as atmospheric methane sources and sinks. <i>Chemosphere</i> , <b>1995</b> , 31, 4119-4130	8.4	121
4	Measurement of microbial biomass and activity in landfill soils. <i>Waste Management and Research</i> , <b>1995</b> , 13, 137-147	4	1
3	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
2	Effect of leachate recirculation on landfill gas production and leachate quality: A controlled laboratory study		4
1	Crop residue decomposition in Minnesota biochar amended plots		2