

List of Publications by Citations

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

73 papers	3,257 citations	31 h-index	56 g-index
77 ext. papers	3,928 ext. citations	7.7 avg, IF	5.46 L-index

#	Paper	IF	Citations
73	Quantifying the total and bioavailable polycyclic aromatic hydrocarbons and dioxins in biochars. <i>Environmental Science & Technology</i> , 2012 , 46, 2830-8	10.3	410
72	Effects of chemical, biological, and physical aging as well as soil addition on the sorption of pyrene to activated carbon and biochar. <i>Environmental Science & Technology</i> , 2011 , 45, 10445-53	10.3	283
71	Biochar Effect on Maize Yield and Soil Characteristics in Five Conservation Farming Sites in Zambia. <i>Agronomy</i> , 2013 , 3, 256-274	3.6	167
70	Activated carbon and biochar amendments decrease pore-water concentrations of polycyclic aromatic hydrocarbons (PAHs) in sewage sludge. <i>Bioresource Technology</i> , 2012 , 111, 84-91	11	159
69	Biochar amendment to soil changes dissolved organic matter content and composition. <i>Chemosphere</i> , 2016 , 142, 100-5	8.4	154
68	Biochar improves maize growth by alleviation of nutrient stress in a moderately acidic low-input Nepalese soil. <i>Science of the Total Environment</i> , 2018 , 625, 1380-1389	10.2	101
67	Sorption of dichlorodiphenyltrichloroethane (DDT) and its metabolites by activated carbon in clean water and sediment slurries. <i>Water Research</i> , 2009 , 43, 4336-46	12.5	83
66	Fading positive effect of biochar on crop yield and soil acidity during five growth seasons in an Indonesian Ultisol. <i>Science of the Total Environment</i> , 2018 , 634, 561-568	10.2	82
65	Sorbent amendment as a remediation strategy to reduce PFAS mobility and leaching in a contaminated sandy soil from a Norwegian firefighting training facility. <i>Chemosphere</i> , 2017 , 171, 9-18	8.4	81
64	Effect of activated carbon amendment on bacterial community structure and functions in a PAH impacted urban soil. <i>Environmental Science & Technology</i> , 2012 , 46, 5057-66	10.3	80
63	Equilibrium partition coefficients of diverse polar and nonpolar organic compounds to polyoxymethylene (POM) passive sampling devices. <i>Environmental Science & Technology</i> , 2011 , 45, 10124-32	10.3	80
62	Activated carbon amendment to sequester PAHs in contaminated soil: a lysimeter field trial. <i>Chemosphere</i> , 2012 , 87, 177-84	8.4	76
61	Short-term effect of the soil amendments activated carbon, biochar, and ferric oxyhydroxide on bacteria and invertebrates. <i>Environmental Science & Technology</i> , 2013 , 47, 8674-83	10.3	76
60	Partitioning of organochlorine pesticides from water to polyethylene passive samplers. <i>Environmental Pollution</i> , 2010 , 158, 2511-7	9.3	73
59	pH effects of the addition of three biochars to acidic Indonesian mineral soils. <i>Soil Science and Plant Nutrition</i> , 2015 , 61, 821-834	1.6	63
58	Treatment of sites contaminated with perfluorinated compounds using biochar amendment. <i>Chemosphere</i> , 2016 , 142, 35-40	8.4	61
57	Modeling the mass transfer of hydrophobic organic pollutants in briefly and continuously mixed sediment after amendment with activated carbon. <i>Environmental Science & Technology</i> , 2010 , 44, 3381-7	10.3	59

56	A synthesis of parameters related to the binding of neutral organic compounds to charcoal. <i>Chemosphere</i> , 2016 , 144, 65-74	8.4	48
55	The role of biochar in retaining nutrients in amended tropical soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2014 , 177, 671-680	2.3	48
54	PAH-sequestration capacity of granular and powder activated carbon amendments in soil, and their effects on earthworms and plants. <i>Chemosphere</i> , 2012 , 88, 699-705	8.4	47
53	How to Determine the Environmental Exposure of PAHs Originating from Biochar. <i>Environmental Science & Technology</i> , 2016 , 50, 1941-8	10.3	46
52	Polychlorinated biphenyl sorption and availability in field-contaminated sediments. <i>Environmental Science & Technology</i> , 2010 , 44, 2809-15	10.3	46
51	Bisphenol A in Solid Waste Materials, Leachate Water, and Air Particles from Norwegian Waste-Handling Facilities: Presence and Partitioning Behavior. <i>Environmental Science & Technology</i> , 2015 , 49, 7675-83	10.3	45
50	Bioaccumulation of Fluorotelomer Sulfonates and Perfluoroalkyl Acids in Marine Organisms Living in Aqueous Film-Forming Foam Impacted Waters. <i>Environmental Science & Technology</i> , 2019 , 53, 10951-10960	10.3	43
49	Sorption, bioavailability and ecotoxic effects of hydrophobic organic compounds in biochar amended soils. <i>Science of the Total Environment</i> , 2018 , 624, 78-86	10.2	37
48	Sustainable Technologies for Small-Scale Biochar Production: A Review. <i>Journal of Sustainable Bioenergy Systems</i> , 2015 , 05, 10-31	0.9	37
47	Review of polyoxymethylene passive sampling methods for quantifying freely dissolved porewater concentrations of hydrophobic organic contaminants. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 710-20	3.8	36
46	Multi-year double cropping biochar field trials in Nepal: Finding the optimal biochar dose through agronomic trials and cost-benefit analysis. <i>Science of the Total Environment</i> , 2018 , 637-638, 1333-1341	10.2	36
45	Bioavailability and bioaccessibility of polycyclic aromatic hydrocarbons from (post-pyrolytically treated) biochars. <i>Chemosphere</i> , 2017 , 174, 700-707	8.4	34
44	Changes in polycyclic aromatic hydrocarbon availability in River Tyne sediment following bioremediation treatments or activated carbon amendment. <i>Water Research</i> , 2010 , 44, 4529-36	12.5	32
43	Biochar from "Kon Tiki" flame curtain and other kilns: Effects of nutrient enrichment and kiln type on crop yield and soil chemistry. <i>PLoS ONE</i> , 2017 , 12, e0176378	3.7	31
42	Advancing the Use of Passive Sampling in Risk Assessment and Management of Sediments Contaminated with Hydrophobic Organic Chemicals: Results of an International Ex Situ Passive Sampling Interlaboratory Comparison. <i>Environmental Science & Technology</i> , 2018 , 52, 3574-3582	10.3	30
41	The potential of biochar in improving drainage, aeration and maize yields in heavy clay soils. <i>PLoS ONE</i> , 2018 , 13, e0196794	3.7	30
40	Biochar Application in Malaysian Sandy and Acid Sulfate Soils: Soil Amelioration Effects and Improved Crop Production over Two Cropping Seasons. <i>Sustainability</i> , 2015 , 7, 16756-16770	3.6	29
39	Mixing and capping techniques for activated carbon based sediment remediation - Efficiency and adverse effects for <i>Lumbriculus variegatus</i> . <i>Water Research</i> , 2017 , 114, 104-112	12.5	27

38	Can biochar and designer biochar be used to remediate per- and polyfluorinated alkyl substances (PFAS) and lead and antimony contaminated soils?. <i>Science of the Total Environment</i> , 2019 , 694, 133693	10.2	27
37	Positioning activated carbon amendment technologies in a novel framework for sediment management. <i>Integrated Environmental Assessment and Management</i> , 2015 , 11, 221-34	2.5	27
36	Nutrient effect of various composting methods with and without biochar on soil fertility and maize growth. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 250-265	2	25
35	The presence and partitioning behavior of flame retardants in waste, leachate, and air particles from Norwegian waste-handling facilities. <i>Journal of Environmental Sciences</i> , 2017 , 62, 115-132	6.4	22
34	The effect of biochar, lime and ash on maize yield in a long-term field trial in a Ultisol in the humid tropics. <i>Science of the Total Environment</i> , 2020 , 719, 137455	10.2	21
33	Sorption of the monoterpenes α -pinene and limonene to carbonaceous geosorbents including biochar. <i>Chemosphere</i> , 2015 , 119, 881-888	8.4	20
32	Fluorinated Precursor Compounds in Sediments as a Source of Perfluorinated Alkyl Acids (PFAA) to Biota. <i>Environmental Science & Technology</i> , 2020 , 54, 13077-13089	10.3	20
31	Monitoring alkylphenols in water using the polar organic chemical integrative sampler (POCIS): Determining sampling rates via the extraction of PES membranes and Oasis beads. <i>Chemosphere</i> , 2017 , 184, 1362-1371	8.4	19
30	Comment on "Partition coefficients of organic contaminants with carbohydrates". <i>Environmental Science & Technology</i> , 2011 , 45, 1158; author reply 1159	10.3	18
29	The mass flow and proposed management of bisphenol A in selected Norwegian waste streams. <i>Waste Management</i> , 2017 , 60, 775-785	8.6	17
28	Biochar amendment improves degraded pasturelands in Brazil: environmental and cost-benefit analysis. <i>Scientific Reports</i> , 2019 , 9, 11993	4.9	17
27	Stabilization of PFAS-contaminated soil with activated biochar. <i>Science of the Total Environment</i> , 2021 , 763, 144034	10.2	17
26	Persistent, mobile and toxic (PMT) and very persistent and very mobile (vPvM) substances pose an equivalent level of concern to persistent, bioaccumulative and toxic (PBT) and very persistent and very bioaccumulative (vPvB) substances under REACH. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	16
25	Sorption of α -DDE and α -hexachlorocyclohexane isomers to three widely different biochars: Sorption mechanisms and application. <i>Chemosphere</i> , 2019 , 219, 1044-1051	8.4	16
24	Use of biochar as alternative sorbent for the active capping of oil contaminated sediments. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5241-5249	6.8	15
23	A RECONNAISSANCE-SCALE GIS-BASED MULTICRITERIA DECISION ANALYSIS TO SUPPORT SUSTAINABLE BIOCHAR USE: POLAND AS A CASE STUDY. <i>Journal of Environmental Engineering and Landscape Management</i> , 2017 , 25, 208-222	1.1	15
22	Designing and Performance Evaluation of Biochar Production in a Top-Lit Updraft Up-scaled Gasifier. <i>Journal of Sustainable Bioenergy Systems</i> , 2015 , 05, 41-55	0.9	13
21	Ex situ determination of freely dissolved concentrations of hydrophobic organic chemicals in sediments and soils: basis for interpreting toxicity and assessing bioavailability, risks and remediation necessity. <i>Nature Protocols</i> , 2020 , 15, 1800-1828	18.8	12

20	Environmental and economic impacts of biochar production and agricultural use in six developing and middle-income countries. <i>Science of the Total Environment</i> , 2021 , 755, 142455	10.2	12
19	Paper product production identified as the main source of per- and polyfluoroalkyl substances (PFAS) in a Norwegian lake: Source and historic emission tracking. <i>Environmental Pollution</i> , 2020 , 273, 116259	9.3	12
18	The role of passive sampling in monitoring the environmental impacts of produced water discharges from the Norwegian oil and gas industry. <i>Marine Pollution Bulletin</i> , 2016 , 111, 33-40	6.7	11
17	Can polyethylene passive samplers predict polychlorinated biphenyls (PCBs) uptake by earthworms and turnips in a biochar amended soil?. <i>Science of the Total Environment</i> , 2019 , 662, 873-880	10.2	10
16	The presence, emission and partitioning behavior of polychlorinated biphenyls in waste, leachate and aerosols from Norwegian waste-handling facilities. <i>Science of the Total Environment</i> , 2020 , 715, 136824	10.2	10
15	NMR and IR study of fluorobenzene and hexafluorobenzene adsorbed on alumina. <i>Langmuir</i> , 2007 , 23, 5412-8	4	10
14	The Effects of Gliricidia-Derived Biochar on Sequential Maize and Bean Farming. <i>Sustainability</i> , 2018 , 10, 578	3.6	9
13	What's in a Name: Persistent, Mobile, and Toxic (PMT) and Very Persistent and Very Mobile (vPvM) Substances. <i>Environmental Science & Technology</i> , 2020 , 54, 14790-14792	10.3	9
12	Influence of spatial differentiation in impact assessment for LCA-based decision support: Implementation of biochar technology in Indonesia. <i>Journal of Cleaner Production</i> , 2018 , 200, 259-268	10.3	8
11	Laboratory versus field soil aging: Impact on DDE bioavailability and sorption. <i>Chemosphere</i> , 2017 , 186, 235-242	8.4	8
10	Monitoring wastewater discharge from the oil and gas industry using passive sampling and Danio rerio bioassay as complimentary tools. <i>Chemosphere</i> , 2019 , 216, 404-412	8.4	8
9	The fate of poly- and perfluoroalkyl substances in a marine food web influenced by land-based sources in the Norwegian Arctic. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 588-604	4.3	5
8	Sorption and Mobility of Charged Organic Compounds: How to Confront and Overcome Limitations in Their Assessment.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	4
7	From landfills to landscapes-Nature-based solutions for water management taking into account legacy contamination. <i>Integrated Environmental Assessment and Management</i> , 2021 ,	2.5	3
6	Excavated vs novel in situ soil washing as a remediation strategy for sandy soils impacted with per- and polyfluoroalkyl substances from aqueous film forming foams. <i>Science of the Total Environment</i> , 2021 , 794, 148763	10.2	3
5	Effect of Extreme Weather Events on Contaminant Transport From Urban Run-Off to a Fjord System. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	2
4	Using Passive Samplers to Track per and Polyfluoroalkyl Substances (PFAS) Emissions From the Paper Industry: Laboratory Calibration and Field Verification. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	2
3	A review of PFAS fingerprints in fish from Norwegian freshwater bodies subject to different source inputs.. <i>Environmental Sciences: Processes and Impacts</i> , 2022 ,	4.3	1

2	The Reuse of Excavated Soils from Construction and Demolition Projects: Limitations and Possibilities. <i>Sustainability</i> , 2021 , 13, 6083	3.6	1
1	Grounding Environmental Sciences: The Missing Link to the Urban Underground. <i>Environmental Science & Technology</i> , 2021 , 55, 4197-4198	10.3	0