

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.

197 papers	7,424 citations	47 h-index	83 g-index
209 ext. papers	8,451 ext. citations	5.9 avg, IF	5.93 L-index

#	Paper	IF	Citations
197	Trace metal behaviour in estuarine and riverine floodplain soils and sediments: a review. <i>Science of the Total Environment</i> , 2009 , 407, 3972-85	10.2	792
196	Phytoremediation of contaminated soils and groundwater: lessons from the field. <i>Environmental Science and Pollution Research</i> , 2009 , 16, 765-94	5.1	615
195	Comparison of EDTA and EDDS as potential soil amendments for enhanced phytoextraction of heavy metals. <i>Chemosphere</i> , 2005 , 58, 1011-22	8.4	326
194	Nutrient Recovery from Digestate: Systematic Technology Review and Product Classification. <i>Waste and Biomass Valorization</i> , 2017 , 8, 21-40	3.2	193
193	EDTA-assisted Pb phytoextraction. <i>Chemosphere</i> , 2009 , 74, 1279-91	8.4	192
192	The use of bio-energy crops (Zea mays) for phytoattenuation of heavy metals on moderately contaminated soils: a field experiment. <i>Chemosphere</i> , 2010 , 78, 35-41	8.4	190
191	Phytoremediation prospects of willow stands on contaminated sediment: a field trial. <i>Environmental Pollution</i> , 2003 , 126, 275-82	9.3	173
190	Phytoavailability assessment of heavy metals in soils by single extractions and accumulation by Phaseolus vulgaris. <i>Environmental and Experimental Botany</i> , 2007 , 60, 385-396	5.9	168
189	PHYTOREMEDIATION FOR HEAVY METAL-CONTAMINATED SOILS COMBINED WITH BIOENERGY PRODUCTION. <i>Journal of Environmental Engineering and Landscape Management</i> , 2007 , 15, 227-236	1.1	156
188	Potential of five willow species (Salix spp.) for phytoextraction of heavy metals. <i>Environmental and Experimental Botany</i> , 2007 , 60, 57-68	5.9	141
187	Comparison of cadmium extractability from soils by commonly used single extraction protocols. <i>Geoderma</i> , 2007 , 141, 247-259	6.7	141
186	Potential of Brassica rapa, Cannabis sativa, Helianthus annuus and Zea mays for phytoextraction of heavy metals from calcareous dredged sediment derived soils. <i>Chemosphere</i> , 2005 , 61, 561-72	8.4	141
185	Accumulation of metals in a horizontal subsurface flow constructed wetland treating domestic wastewater in Flanders, Belgium. <i>Science of the Total Environment</i> , 2007 , 380, 102-15	10.2	129
184	Enhanced phytoextraction: in search of EDTA alternatives. <i>International Journal of Phytoremediation</i> , 2004 , 6, 95-109	3.9	129
183	Phytoremediation, a sustainable remediation technology? Conclusions from a case study. I: Energy production and carbon dioxide abatement. <i>Biomass and Bioenergy</i> , 2012 , 39, 454-469	5.3	108
182	Effects of Vegetation, Season and Temperature on the Removal of Pollutants in Experimental Floating Treatment Wetlands. <i>Water, Air, and Soil Pollution</i> , 2010 , 212, 281-297	2.6	102
181	Availability of heavy metals for uptake by Salix viminalis on a moderately contaminated dredged sediment disposal site. <i>Environmental Pollution</i> , 2005 , 137, 354-64	9.3	97

180	Short rotation coppice culture of willows and poplars as energy crops on metal contaminated agricultural soils. <i>International Journal of Phytoremediation</i> , 2011 , 13 Suppl 1, 194-207	3.9	95
179	Impact of organic amendments (biochar, compost and peat) on Cd and Zn mobility and solubility in contaminated soil of the Campine region after three years. <i>Science of the Total Environment</i> , 2018 , 626, 195-202	10.2	93
178	Growth and trace metal accumulation of two Salix clones on sediment-derived soils with increasing contamination levels. <i>Chemosphere</i> , 2005 , 58, 995-1002	8.4	90
177	Ecological and economic benefits of the application of bio-based mineral fertilizers in modern agriculture. <i>Biomass and Bioenergy</i> , 2013 , 49, 239-248	5.3	89
176	Chemically assisted phytoextraction: a review of potential soil amendments for increasing plant uptake of heavy metals. <i>International Journal of Phytoremediation</i> , 2008 , 10, 390-414	3.9	84
175	Enhanced phytoextraction of uranium and selected heavy metals by Indian mustard and ryegrass using biodegradable soil amendments. <i>Science of the Total Environment</i> , 2009 , 407, 1496-505	10.2	83
174	Phytomanagement of heavy metals in contaminated soils using sunflower: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016 , 46, 1498-1528	11.1	82
173	New perspectives for the design of sustainable bioprocesses for phosphorus recovery from waste. <i>Bioresource Technology</i> , 2016 , 206, 264-274	11	81
172	Sorption of Co, Cu, Ni and Zn from industrial effluents by the submerged aquatic macrophyte <i>Myriophyllum spicatum</i> L.. <i>Ecological Engineering</i> , 2007 , 30, 320-325	3.9	81
171	Closing the nutrient cycle by using bio-digestion waste derivatives as synthetic fertilizer substitutes: A field experiment. <i>Biomass and Bioenergy</i> , 2013 , 55, 175-189	5.3	75
170	Long-term sustainability of metal immobilization by soil amendments: cyclonic ashes versus lime addition. <i>Environmental Pollution</i> , 2010 , 158, 1428-34	9.3	74
169	Short-Rotation Coppice of Willow for Phytoremediation of a Metal-Contaminated Agricultural Area: A Sustainability Assessment. <i>Bioenergy Research</i> , 2009 , 2, 144-152	3.1	73
168	Environmental assessment of digestate treatment technologies using LCA methodology. <i>Waste Management</i> , 2015 , 43, 442-59	8.6	72
167	Degradability of ethylenediaminedisuccinic acid (EDDS) in metal contaminated soils: implications for its use soil remediation. <i>Chemosphere</i> , 2008 , 70, 358-63	8.4	72
166	Occurrence of contaminants in drinking water sources and the potential of biochar for water quality improvement: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 549-611	11.1	67
165	Inoculum selection influences the biochemical methane potential of agro-industrial substrates. <i>Microbial Biotechnology</i> , 2015 , 8, 776-86	6.3	65
164	Seasonal changes of metals in willow (<i>Salix</i> sp.) stands for phytoremediation on dredged sediment. <i>Environmental Science & Technology</i> , 2006 , 40, 1962-8	10.3	65
163	Factors affecting metal concentrations in the upper sediment layer of intertidal reedbeds along the river Scheldt. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 449-55		63

162	Enhanced phytoextraction: II. Effect of EDTA and citric acid on heavy metal uptake by <i>Helianthus annuus</i> from a calcareous soil. <i>International Journal of Phytoremediation</i> , 2005 , 7, 143-52	3.9	63
161	Heavy metal mobility in intertidal sediments of the Scheldt estuary: Field monitoring. <i>Science of the Total Environment</i> , 2009 , 407, 2919-30	10.2	62
160	Phytoremediation, a sustainable remediation technology? II: Economic assessment of CO ₂ abatement through the use of phytoremediation crops for renewable energy production. <i>Biomass and Bioenergy</i> , 2012 , 39, 470-477	5.3	57
159	Biochar, a potential hydroponic growth substrate, enhances the nutritional status and growth of leafy vegetables. <i>Journal of Cleaner Production</i> , 2017 , 156, 581-588	10.3	55
158	Soil lead immobilization by biochars in short-term laboratory incubation studies. <i>Environment International</i> , 2019 , 127, 190-198	12.9	54
157	Chemical stabilization of Cd-contaminated soil using biochar. <i>Applied Geochemistry</i> , 2018 , 88, 122-130	3.5	54
156	Field evaluation of willow under short rotation coppice for phytomanagement of metal-polluted agricultural soils. <i>International Journal of Phytoremediation</i> , 2013 , 15, 677-89	3.9	50
155	Factors affecting metal concentrations in reed plants (<i>Phragmites australis</i>) of intertidal marshes in the Scheldt estuary. <i>Ecological Engineering</i> , 2009 , 35, 310-318	3.9	50
154	Phosphorus Use Efficiency of Bio-Based Fertilizers: Bioavailability and Fractionation. <i>Pedosphere</i> , 2016 , 26, 310-325	5	49
153	Potential application of selected metal resistant phosphate solubilizing bacteria isolated from the gut of earthworm (<i>Metaphire posthuma</i>) in plant growth promotion. <i>Geoderma</i> , 2018 , 330, 117-124	6.7	49
152	Application of a Full-scale Constructed Wetland for Tertiary Treatment of Piggery Manure: Monitoring Results. <i>Water, Air, and Soil Pollution</i> , 2008 , 193, 15-24	2.6	49
151	Accumulation of Metals in the Sediment and Reed Biomass of a Combined Constructed Wetland Treating Domestic Wastewater. <i>Water, Air, and Soil Pollution</i> , 2007 , 183, 253-264	2.6	48
150	Fertilizer performance of liquid fraction of digestate as synthetic nitrogen substitute in silage maize cultivation for three consecutive years. <i>Science of the Total Environment</i> , 2017 , 599-600, 1885-1894	10.2	47
149	Zn in the soil solution of unpolluted and polluted soils as affected by soil characteristics. <i>Geoderma</i> , 2006 , 136, 107-119	6.7	45
148	Elevated Cd and Zn uptake by aspen limits the phytostabilization potential compared to five other tree species. <i>Ecological Engineering</i> , 2011 , 37, 1072-1080	3.9	44
147	Enhanced phytoextraction: I. Effect of EDTA and citric acid on heavy metal mobility in a calcareous soil. <i>International Journal of Phytoremediation</i> , 2005 , 7, 129-42	3.9	44
146	Follow the N and P road: High-resolution nutrient flow analysis of the Flanders region as precursor for sustainable resource management. <i>Resources, Conservation and Recycling</i> , 2016 , 115, 9-21	11.9	44
145	Metal accumulation in intertidal marshes: Role of sulphide precipitation. <i>Wetlands</i> , 2008 , 28, 735-746	1.7	43

144	Production and performance of bio-based mineral fertilizers from agricultural waste using ammonia (stripping-)scrubbing technology. <i>Waste Management</i> , 2019 , 89, 265-274	8.6	40
143	Characterisation of Phosphate Accumulating Organisms and Techniques for Polyphosphate Detection: A Review. <i>Sensors</i> , 2016 , 16,	3.8	40
142	Effect of Water Table Level on Metal Mobility at Different Depths in Wetland Soils of the Scheldt Estuary (Belgium). <i>Water, Air, and Soil Pollution</i> , 2009 , 202, 353-367	2.6	39
141	Safe use of metal-contaminated agricultural land by cultivation of energy maize (<i>Zea mays</i>). <i>Environmental Pollution</i> , 2013 , 178, 375-80	9.3	38
140	Soil-solution speciation of Cd as affected by soil characteristics in unpolluted and polluted soils. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 499-509	3.8	38
139	Economic viability of phytoremediation of a cadmium contaminated agricultural area using energy maize. Part II: economics of anaerobic digestion of metal contaminated maize in Belgium. <i>International Journal of Phytoremediation</i> , 2010 , 12, 663-79	3.9	37
138	Fate of Macronutrients in Water Treatment of Digestate Using Vibrating Reversed Osmosis. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 1593-1603	2.6	32
137	Economic viability of phytoremediation of a cadmium contaminated agricultural area using energy maize. Part I: effect on the farmer's income. <i>International Journal of Phytoremediation</i> , 2010 , 12, 650-62	3.9	32
136	Effect of biodegradable amendments on uranium solubility in contaminated soils. <i>Science of the Total Environment</i> , 2008 , 391, 26-33	10.2	32
135	Organic Matter and Nutrient Removal Performance of Horizontal Subsurface Flow Constructed Wetlands Planted with Phragmites karka and Vetiveria zizanioides for Treating Municipal Wastewater. <i>Environmental Processes</i> , 2018 , 5, 115-130	2.8	30
134	Utilization of derivatives from nutrient recovery processes as alternatives for fossil-based mineral fertilizers in commercial greenhouse production of <i>Lactuca sativa</i> L.. <i>Scientia Horticulturae</i> , 2016 , 198, 267-276	4.1	30
133	Assisted Phytoextraction: Helping Plants to Help Us. <i>Elements</i> , 2010 , 6, 383-388	3.8	30
132	Chemically enhanced phytoextraction of Pb by wheat in texturally different soils. <i>Chemosphere</i> , 2010 , 79, 652-8	8.4	30
131	Presence and mobility of arsenic in estuarine wetland soils of the Scheldt estuary (Belgium). <i>Journal of Environmental Monitoring</i> , 2009 , 11, 873-81		30
130	Development, implementation, and validation of a generic nutrient recovery model (NRM) library. <i>Environmental Modelling and Software</i> , 2018 , 99, 170-209	5.2	30
129	Water Extractability of Trace Metals from Soils: Some Pitfalls. <i>Water, Air, and Soil Pollution</i> , 2006 , 176, 21-35	2.6	28
128	Tertiary treatment of the liquid fraction of pig manure with <i>Phragmites australis</i> . <i>Water, Air, and Soil Pollution</i> , 2005 , 160, 15-26	2.6	27
127	Effect of digestate disintegration on anaerobic digestion of organic waste. <i>Bioresource Technology</i> , 2018 , 268, 568-576	11	26

126	Assessing Nutrient Use Efficiency and Environmental Pressure of Macronutrients in Biobased Mineral Fertilizers: A Review of Recent Advances and Best Practices at Field Scale. <i>Advances in Agronomy</i> , 2014 , 128, 137-180	7.7	24
125	Potential use of the plant antioxidant network for environmental exposure assessment of heavy metals in soils. <i>Environmental Monitoring and Assessment</i> , 2006 , 120, 243-67	3.1	24
124	Mild hydrothermal conditioning prior to torrefaction and slow pyrolysis of low-value biomass. <i>Bioresource Technology</i> , 2016 , 217, 104-12	11	22
123	Effect of decomposing litter on the mobility and availability of metals in the soil of a recently created floodplain. <i>Geoderma</i> , 2008 , 147, 34-46	6.7	21
122	Feasibility of grass co-digestion in an agricultural digester, influence on process parameters and residue composition. <i>Bioresource Technology</i> , 2013 , 150, 187-94	11	20
121	Forest floor leachate fluxes under six different tree species on a metal contaminated site. <i>Science of the Total Environment</i> , 2013 , 447, 99-107	10.2	19
120	Physico-Chemical P Removal from the Liquid Fraction of Pig Manure as an Intermediary Step in Manure Processing. <i>Water, Air, and Soil Pollution</i> , 2006 , 169, 317-330	2.6	19
119	Field trial experiment: Phytoremediation with <i>Salix</i> sp. on a dredged sediment disposal site in Flanders, Belgium. <i>Remediation</i> , 2003 , 13, 87-97	1.8	19
118	Investigation of biomass and agricultural plastic co-pyrolysis: Effect on biochar yield and properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 155, 105029	6	19
117	Potential of coupling anaerobic digestion with thermochemical technologies for waste valorization. <i>Fuel</i> , 2021 , 294, 120533	7.1	19
116	Effect of pyrolysis temperature on removal of organic pollutants present in anaerobically stabilized sewage sludge. <i>Chemosphere</i> , 2021 , 265, 129082	8.4	19
115	Nutrient recovery from digested waste: Towards a generic roadmap for setting up an optimal treatment train. <i>Waste Management</i> , 2018 , 78, 385-392	8.6	18
114	Integrated Constructed Wetlands (ICW): Ecological Development in Constructed Wetlands for Manure Treatment. <i>Wetlands</i> , 2011 , 31, 763-771	1.7	17
113	Tobacco, Sunflower and High Biomass SRC Clones Show Potential for Trace Metal Phytoextraction on a Moderately Contaminated Field Site in Belgium. <i>Frontiers in Plant Science</i> , 2018 , 9, 1879	6.2	17
112	Effect of flocculation pre-treatment on membrane nutrient recovery of digested chicken slurry: Mitigating suspended solids and retaining nutrients. <i>Chemical Engineering Journal</i> , 2018 , 352, 855-862	14.7	15
111	Nitrogen release and mineralization potential of derivatives from nutrient recovery processes as substitutes for fossil fuel-based nitrogen fertilizers. <i>Soil Use and Management</i> , 2017 , 33, 437-446	3.1	14
110	Upflow anaerobic sludge blanket and aerated constructed wetlands for swine wastewater treatment: a pilot study. <i>Water Science and Technology</i> , 2017 , 76, 68-78	2.2	13
109	Fate of micronutrients and heavy metals in digestate processing using vibrating reversed osmosis as resource recovery technology. <i>Separation and Purification Technology</i> , 2019 , 223, 81-87	8.3	13

108	Evaluation of Pilot-Scale Constructed Wetlands with Phragmites karka for Phytoremediation of Municipal Wastewater and Biomass Production in Ethiopia. <i>Environmental Processes</i> , 2019 , 6, 65-84	2.8	13
107	Effect of Physicochemical Soil Characteristics on Copper and Lead Solubility in Polluted and Unpolluted Soils. <i>Soil Science</i> , 2009 , 174, 601-610	0.9	13
106	Stripping and scrubbing of ammonium using common fractionating columns to prove ammonium inhibition during anaerobic digestion. <i>International Journal of Energy and Environmental Engineering</i> , 2018 , 9, 447-455	4	13
105	Element concentrations in urban grass cuttings from roadside verges in the face of energy recovery. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 7808-20	5.1	12
104	The potential of foliar treatments for enhanced phytoextraction of heavy metals from contaminated soil. <i>Remediation</i> , 2004 , 14, 111-123	1.8	12
103	Thermophilic anaerobic digestion as suitable bioprocess producing organic and chemical renewable fertilizers: A full-scale approach. <i>Waste Management</i> , 2021 , 124, 356-367	8.6	12
102	Looking for phosphate-accumulating bacteria in activated sludge processes: a multidisciplinary approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8017-8032	5.1	11
101	Metal sorption by biochars: A trade-off between phosphate and carbonate concentration as governed by pyrolysis conditions. <i>Journal of Environmental Management</i> , 2019 , 246, 496-504	7.9	11
100	Does acidification increase the nitrogen fertilizer replacement value of bio-based fertilizers?. <i>Journal of Plant Nutrition and Soil Science</i> , 2017 , 180, 800-810	2.3	11
99	Effect of hydraulic loading on bioremediation of municipal wastewater using constructed wetland planted with vetiver grass, Addis Ababa, Ethiopia. <i>Nanotechnology for Environmental Engineering</i> , 2019 , 4, 1	5.1	11
98	Recovery of phosphorus from municipal wastewater treatment sludge through bioleaching using <i>Acidithiobacillus thiooxidans</i> . <i>Journal of Environmental Management</i> , 2020 , 270, 110818	7.9	10
97	Cu sorption on <i>Phragmites australis</i> leaf and stem litter: a kinetic study. <i>Chemosphere</i> , 2007 , 69, 1136-438.4	10	10
96	Leaching behavior of Cd, Zn and nutrients (K, P, S) from a contaminated soil as affected by amendment with biochar. <i>Chemosphere</i> , 2020 , 245, 125561	8.4	10
95	The Potential of Digestate and the Liquid Fraction of Digestate as Chemical Fertiliser Substitutes under the RENURE Criteria. <i>Agronomy</i> , 2021 , 11, 1374	3.6	10
94	Model-based analysis of greenhouse gas emission reduction potential through farm-scale digestion. <i>Biosystems Engineering</i> , 2019 , 181, 157-172	4.8	9
93	Techno-economic assessment at full scale of a biogas refinery plant receiving nitrogen rich feedstock and producing renewable energy and biobased fertilisers. <i>Journal of Cleaner Production</i> , 2021 , 308, 127408	10.3	9
92	Heavy Metal Displacement by Exchangeable Bases (Ca, Mg, K, Na) in Soils and Sediments. <i>Soil Science</i> , 2009 , 174, 202-209	0.9	8
91	Monitoring methane and nitrous oxide emissions from digestate storage following manure mono-digestion. <i>Biosystems Engineering</i> , 2020 , 196, 159-171	4.8	8

90	Optimizing the configuration of integrated nutrient and energy recovery treatment trains: A new application of global sensitivity analysis to the generic nutrient recovery model (NRM) library. <i>Bioresource Technology</i> , 2018 , 269, 375-383	11	8
89	Comparative Evaluation of Pre-treatment Methods to Enhance Phosphorus Release from Digestate. <i>Waste and Biomass Valorization</i> , 2017 , 8, 659-667	3.2	7
88	Harnessing fertilizer potential of human urine in a mesocosm system: a novel test case for linking the loop between sanitation and aquaculture. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 1545-1561	4.7	7
87	Enteric bacteria from the earthworm (<i>Metaphire posthuma</i>) promote plant growth and remediate toxic trace elements. <i>Journal of Environmental Management</i> , 2019 , 250, 109530	7.9	7
86	Can spatial reallocation of livestock reduce the impact of GHG emissions?. <i>Agricultural Systems</i> , 2016 , 149, 11-19	6.1	7
85	Amendments affect lead mobility and modulated chemo-speciation under different moisture regimes in normal and salt-affected lead-contaminated soils. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 113-122	3.3	7
84	Zn phytoextraction and recycling of alfalfa biomass as potential Zn-biofortified feed crop. <i>Science of the Total Environment</i> , 2021 , 760, 143424	10.2	7
83	Measuring ammonia and odours emissions during full field digestate use in agriculture. <i>Science of the Total Environment</i> , 2021 , 782, 146882	10.2	7
82	Limitations for phytoextraction management on metal-polluted soils with poplar short rotation coppice-evidence from a 6-year field trial. <i>International Journal of Phytoremediation</i> , 2018 , 20, 8-15	3.9	6
81	Effect of Applying Struvite and Organic N as Recovered Fertilizers on the Rhizosphere Dynamics and Cultivation of Lupine (). <i>Frontiers in Plant Science</i> , 2020 , 11, 572741	6.2	6
80	Application of biochars and solid fraction of digestate to decrease soil solution Cd, Pb and Zn concentrations in contaminated sandy soils. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 1589-1600	4.7	6
79	Chemical stabilization of Cd-contaminated soil using fresh and aged wheat straw biochar. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 10155-10166	5.1	6
78	Solid fraction of separated digestate as soil improver: implications for soil fertility and carbon sequestration. <i>Journal of Soils and Sediments</i> , 2021 , 21, 678-688	3.4	6
77	Assessing the Ecological Relevance of Organic Discharge Limits for Constructed Wetlands by Means of a Model-Based Analysis. <i>Water (Switzerland)</i> , 2018 , 10, 63	3	5
76	Co-liquefaction of mixed biomass feedstocks for bio-oil production: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 154, 111814	16.2	5
75	Ultrasound-assisted digestate treatment of manure digestate for increased biogas production in small pilot scale anaerobic digesters. <i>Renewable Energy</i> , 2020 , 152, 664-673	8.1	5
74	Heavy metal transport and fate in soil-plant system: study case of industrial cement vicinity, Tunisia. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	5
73	Structural and chemical changes of sludge derived pyrolysis char prepared under different process temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 156, 105085	6	5

72	The fate of nitrite and nitrate during anaerobic digestion. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 1013-1026	2.6	5
71	Impact of raking and bioturbation-mediated ecological manipulation on sediment-water phosphorus diagenesis: a mesocosm study supported with radioactive signature. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 1563-1581	4.7	4
70	Manure as a Resource for Energy and Nutrients 2020 , 65-82		4
69	Ammonia recovery from food waste digestate using solar heat-assisted stripping-absorption. <i>Waste Management</i> , 2020 , 113, 244-250	8.6	4
68	Environmental Impact Assessment (EIA) of Effluents from Constructed Wetlands on Water Quality of Receiving Watercourses. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	4
67	Techno-economic Feasibility of Extrusion as a Pretreatment Step for Biogas Production from Grass. <i>Bioenergy Research</i> , 1	3.1	4
66	Constructed Wetlands Treating Municipal and Agricultural Wastewater [An Overview for Flanders, Belgium 2016 , 179-207		4
65	Stability of Thermophilic Pig Manure Mono-digestion: Effect of Thermal Pre-treatment and Separation. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	3
64	Assessing the Integration of Wetlands along Small European Waterways to Address Diffuse Nitrate Pollution. <i>Water (Switzerland)</i> , 2017 , 9, 369	3	3
63	Influence of Pyrolysis Temperature on the Heavy Metal Sorption Capacity of Biochar from Poultry Manure. <i>Materials</i> , 2021 , 14,	3.5	3
62	Ecological indicators and bioindicator plant species for biomonitoring industrial pollution: Eco-based environmental assessment. <i>Ecological Indicators</i> , 2021 , 125, 107508	5.8	3
61	Impact of Aeration on the Removal of Organic Matter and Nitrogen Compounds in Constructed Wetlands Treating the Liquid Fraction of Piggery Manure. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4310	2.6	3
60	Differing Phosphorus Crop Availability of Aluminium and Calcium Precipitated Dairy Processing Sludge Potential Recycled Alternatives to Mineral Phosphorus Fertiliser. <i>Agronomy</i> , 2021 , 11, 427	3.6	3
59	Assessing Nitrogen Availability in Biobased Fertilizers: Effect of Vegetation on Mineralization Patterns. <i>Agriculture (Switzerland)</i> , 2021 , 11, 870	3	3
58	Impact of time and phosphorus application rate on phosphorus bioavailability and efficiency of secondary fertilizers recovered from municipal wastewater. <i>Chemosphere</i> , 2021 , 282, 131017	8.4	3
57	Ammonia Stripping and Scrubbing for Mineral Nitrogen Recovery 2020 , 95-106		2
56	Modeling and Optimization of Nutrient Recovery from Wastes 2020 , 381-404		2
55	Efficiency of Soil and Fertilizer Phosphorus Use in Time: A Comparison Between Recovered Struvite, FePO ₄ -Sludge, Digestate, Animal Manure, and Synthetic Fertilizer 2015 , 73-85		2

54	Speciation of P in Solid Organic Fertilisers from Digestate and Biowaste. <i>Agronomy</i> , 2021 , 11, 2233	3.6	2
53	Biodegradation and effects of EDDS and NTA on Zn in soil solution during phytoextraction by alfalfa in soils with three Zn levels.. <i>Chemosphere</i> , 2022 , 133519	8.4	2
52	Using highly stabilized digestate and digestate-derived ammonium sulphate to replace synthetic fertilizers: The effects on soil, environment, and crop production.. <i>Science of the Total Environment</i> , 2022 , 152919	10.2	2
51	Study of pig manure digestate pre-treatment for subsequent valorisation by struvite. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 24731-24743	5.1	2
50	Equilibrium modeling of thermal plasma assisted co-valorization of difficult waste streams for syngas production. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4650-4660	5.8	2
49	Agronomic and Environmental Performance of Lemnaminor Cultivated on Agricultural Wastewater StreamsA Practical Approach. <i>Sustainability</i> , 2021 , 13, 1570	3.6	2
48	Assessment of the Carbon and Nitrogen Mineralisation of Digestates Elaborated from Distinct Feedstock Profiles. <i>Agronomy</i> , 2022 , 12, 456	3.6	2
47	Struvite Recovery from Domestic Wastewater 2020 , 107-119		1
46	Agronomic Effectivity of Hydrated Poultry Litter Ash 2020 , 147-160		1
45	Fertilizer Replacement Value 2020 , 189-214		1
44	Environmental Impact Assessment on the Production and Use of Biobased Fertilizers 2020 , 329-362		1
43	Soil Dynamic Models 2020 , 405-435		1
42	Periodontal screening and referral behaviour of general dental practitioners in Flanders. <i>Clinical Oral Investigations</i> , 2018 , 22, 1167-1173	4.2	1
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