

Jan Vymazal

List of Publications by Citations

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160
papers

10,744
citations

47
h-index

102
g-index

163
ext. papers

12,565
ext. citations

6.2
avg, IF

7.59
L-index

#	Paper	IF	Citations
160	Removal of nutrients in various types of constructed wetlands. <i>Science of the Total Environment</i> , 2007 , 380, 48-65	10.2	1701
159	Constructed wetlands for wastewater treatment: five decades of experience. <i>Environmental Science & Technology</i> , 2011 , 45, 61-9	10.3	636
158	Horizontal sub-surface flow and hybrid constructed wetlands systems for wastewater treatment. <i>Ecological Engineering</i> , 2005 , 25, 478-490	3.9	590
157	The use constructed wetlands with horizontal sub-surface flow for various types of wastewater. <i>Ecological Engineering</i> , 2009 , 35, 1-17	3.9	407
156	Plants used in constructed wetlands with horizontal subsurface flow: a review. <i>Hydrobiologia</i> , 2011 , 674, 133-156	2.4	395
155	Constructed Wetlands for Wastewater Treatment. <i>Water (Switzerland)</i> , 2010 , 2, 530-549	3	393
154	Development of constructed wetlands in performance intensifications for wastewater treatment: a nitrogen and organic matter targeted review. <i>Water Research</i> , 2014 , 57, 40-55	12.5	391
153	Constructed wetlands for treatment of industrial wastewaters: A review. <i>Ecological Engineering</i> , 2014 , 73, 724-751	3.9	357
152	The use of hybrid constructed wetlands for wastewater treatment with special attention to nitrogen removal: a review of a recent development. <i>Water Research</i> , 2013 , 47, 4795-811	12.5	338
151	The use of sub-surface constructed wetlands for wastewater treatment in the Czech Republic: 10 years experience. <i>Ecological Engineering</i> , 2002 , 18, 633-646	3.9	285
150	The use of constructed wetlands for removal of pesticides from agricultural runoff and drainage: a review. <i>Environment International</i> , 2015 , 75, 11-20	12.9	271
149	Emergent plants used in free water surface constructed wetlands: A review. <i>Ecological Engineering</i> , 2013 , 61, 582-592	3.9	262
148	Removal of organics in constructed wetlands with horizontal sub-surface flow: a review of the field experience. <i>Science of the Total Environment</i> , 2009 , 407, 3911-22	10.2	202
147	Wastewater Treatment in Constructed Wetlands with Horizontal Sub-Surface Flow. <i>Environmental Pollution</i> , 2008 ,	0	152
146	Growth of <i>Phragmites australis</i> and <i>Phalaris arundinacea</i> in constructed wetlands for wastewater treatment in the Czech Republic. <i>Ecological Engineering</i> , 2005 , 25, 606-621	3.9	130
145	Accumulation of heavy metals in aboveground biomass of <i>Phragmites australis</i> in horizontal flow constructed wetlands for wastewater treatment: A review. <i>Chemical Engineering Journal</i> , 2016 , 290, 232-242	14.7	128
144	Occurrence, removal and environmental risk assessment of pharmaceuticals and personal care products in rural wastewater treatment wetlands. <i>Science of the Total Environment</i> , 2016 , 566-567, 1660-1669	10.2	122

143	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109362	7	120
142	A three-stage experimental constructed wetland for treatment of domestic sewage: First 2 years of operation. <i>Ecological Engineering</i> , 2011 , 37, 90-98	3.9	116
141	Removal of trace elements in three horizontal sub-surface flow constructed wetlands in the Czech Republic. <i>Environmental Pollution</i> , 2009 , 157, 1186-94	9.3	115
140	Response of everglades plant communities to nitrogen and phosphorus additions. <i>Wetlands</i> , 1995 , 15, 258-271	1.7	106
139	A review on the main affecting factors of greenhouse gases emission in constructed wetlands. <i>Agricultural and Forest Meteorology</i> , 2017 , 236, 175-193	5.8	105
138	Trace metals in <i>Phragmites australis</i> and <i>Phalaris arundinacea</i> growing in constructed and natural wetlands. <i>Science of the Total Environment</i> , 2007 , 380, 154-62	10.2	100
137	Removal of enteric bacteria in constructed treatment wetlands with emergent macrophytes: a review. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005 , 40, 1355-67	2.3	96
136	Occurrence and removal of pharmaceuticals in four full-scale constructed wetlands in the Czech Republic [the first year of monitoring]. <i>Ecological Engineering</i> , 2017 , 98, 354-364	3.9	94
135	Hydroponic root mats for wastewater treatment-a review. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15911-28	5.1	90
134	Long-term performance of constructed wetlands with horizontal sub-surface flow: Ten case studies from the Czech Republic. <i>Ecological Engineering</i> , 2011 , 37, 54-63	3.9	81
133	Present restrictions of sewage sludge application in agriculture within the European Union. <i>Soil and Water Research</i> , 2019 , 14, 104-120	2.5	79
132	Effects of plant biomass on bacterial community structure in constructed wetlands used for tertiary wastewater treatment. <i>Ecological Engineering</i> , 2015 , 84, 38-45	3.9	75
131	Constructed wetlands for wastewater treatment in the Czech Republic the first 5 years experience. <i>Water Science and Technology</i> , 1996 , 34, 159-164	2.2	75
130	Effects of plant biomass on nitrogen transformation in subsurface-batch constructed wetlands: a stable isotope and mass balance assessment. <i>Water Research</i> , 2014 , 63, 158-67	12.5	74
129	Trace elements in <i>Phragmites australis</i> growing in constructed wetlands for treatment of municipal wastewater. <i>Ecological Engineering</i> , 2009 , 35, 303-309	3.9	71
128	Concentration is not enough to evaluate accumulation of heavy metals and nutrients in plants. <i>Science of the Total Environment</i> , 2016 , 544, 495-8	10.2	69
127	Constructed wetlands for boron removal: A review. <i>Ecological Engineering</i> , 2014 , 64, 350-359	3.9	65
126	Effects of plant biomass on denitrifying genes in subsurface-flow constructed wetlands. <i>Bioresource Technology</i> , 2014 , 157, 341-5	11	65

125	Sulfate removal and sulfur transformation in constructed wetlands: The roles of filling material and plant biomass. <i>Water Research</i> , 2016 , 102, 572-581	12.5	65
124	Multistage hybrid constructed wetland for enhanced removal of nitrogen. <i>Ecological Engineering</i> , 2015 , 84, 202-208	3.9	64
123	Impacts of various filtration media on wastewater treatment and bioelectric production in up-flow constructed wetland combined with microbial fuel cell (UCW-MFC). <i>Ecological Engineering</i> , 2018 , 117, 120-132	3.9	63
122	Translocation, accumulation and bioindication of trace elements in wetland plants. <i>Science of the Total Environment</i> , 2018 , 631-632, 252-261	10.2	60
121	Microbial characteristics of constructed wetlands. <i>Water Science and Technology</i> , 1997 , 35, 117	2.2	58
120	Occurrence and removal of estrogens, progesterone and testosterone in three constructed wetlands treating municipal sewage in the Czech Republic. <i>Science of the Total Environment</i> , 2015 , 536, 625-631	10.2	56
119	SPECIES COMPOSITION, BIOMASS, AND NUTRIENT CONTENT OF PERIPHYTON IN THE FLORIDA EVERGLADES1. <i>Journal of Phycology</i> , 1995 , 31, 343-354	3	56
118	Removal of Phosphorus in Constructed Wetlands with Horizontal Sub-Surface Flow in the Czech Republic. <i>Water, Air and Soil Pollution</i> , 2004 , 4, 657-670		52
117	Effects of cattail biomass on sulfate removal and carbon sources competition in subsurface-flow constructed wetlands treating secondary effluent. <i>Water Research</i> , 2014 , 59, 1-10	12.5	50
116	Critical Review: Biogeochemical Networking of Iron in Constructed Wetlands for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2019 , 53, 7930-7944	10.3	48
115	Rethinking Intensification of Constructed Wetlands as a Green Eco-Technology for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2018 , 52, 1693-1694	10.3	47
114	Constructed wetlands for landfill leachate treatment: A review. <i>Ecological Engineering</i> , 2020 , 146, 105725	3.9	45
113	Does clogging affect long-term removal of organics and suspended solids in gravel-based horizontal subsurface flow constructed wetlands?. <i>Chemical Engineering Journal</i> , 2018 , 331, 663-674	14.7	44
112	Removal of acidic pharmaceuticals by small-scale constructed wetlands using different design configurations. <i>Science of the Total Environment</i> , 2018 , 639, 640-647	10.2	44
111	Removal of nutrients, organics and suspended solids in vegetated agricultural drainage ditch. <i>Ecological Engineering</i> , 2018 , 118, 97-103	3.9	43
110	Short-term uptake of heavy metals by periphyton algae. <i>Hydrobiologia</i> , 1984 , 119, 171-179	2.4	43
109	Can multiple harvest of aboveground biomass enhance removal of trace elements in constructed wetlands receiving municipal sewage?. <i>Ecological Engineering</i> , 2010 , 36, 939-945	3.9	42
108	Comprehensive metagenomic analysis reveals the effects of silver nanoparticles on nitrogen transformation in constructed wetlands. <i>Chemical Engineering Journal</i> , 2019 , 358, 1552-1560	14.7	41

107	Nanoplastics Disturb Nitrogen Removal in Constructed Wetlands: Responses of Microbes and Macrophytes. <i>Environmental Science & Technology</i> , 2020 , 54, 14007-14016	10.3	40
106	Removal of nitrogen in constructed wetlands with horizontal sub-surface flow: a review. <i>Wetlands</i> , 2009 , 29, 1114-1124	1.7	38
105	Pharmaceutical pollution of the world's rivers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	37
104	Enhancing ecosystem services on the landscape with created, constructed and restored wetlands. <i>Ecological Engineering</i> , 2011 , 37, 1-5	3.9	34
103	New nitrogen removal pathways in a full-scale hybrid constructed wetland proposed from high-throughput sequencing and isotopic tracing results. <i>Ecological Engineering</i> , 2016 , 97, 434-443	3.9	33
102	Compartmentalization of potentially hazardous elements in macrophytes: Insights into capacity and efficiency of accumulation. <i>Journal of Geochemical Exploration</i> , 2017 , 181, 22-30	3.8	33
101	Toxicity and accumulation of cadmium with respect to algae and cyanobacteria: A review. <i>Toxicity Assessment</i> , 1987 , 2, 387-415		33
100	Evaluation of heavy metals seasonal accumulation in <i>Phalaris arundinacea</i> in a constructed treatment wetland. <i>Ecological Engineering</i> , 2015 , 79, 94-99	3.9	31
99	Capacity of various single-stage constructed wetlands to treat domestic sewage under optimal temperature in Guangzhou City, South China. <i>Ecological Engineering</i> , 2018 , 115, 35-44	3.9	31
98	The Use of Constructed Wetlands for Nitrogen Removal from Agricultural Drainage: a Review. <i>Scientia Agriculturae Bohemica</i> , 2017 , 48, 82-91	0.5	29
97	Heavy metals in sediments from constructed wetlands treating municipal wastewater. <i>Biogeochemistry</i> , 2010 , 101, 335-356	3.8	29
96	The use of periphyton communities for nutrient removal from polluted streams. <i>Hydrobiologia</i> , 1988 , 166, 225-237	2.4	29
95	Mapping the field of constructed wetland-microbial fuel cell: A review and bibliometric analysis. <i>Chemosphere</i> , 2021 , 262, 128366	8.4	28
94	Recent research challenges in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2021 , 169, 106318	3.9	28
93	Is removal of organics and suspended solids in horizontal sub-surface flow constructed wetlands sustainable for twenty and more years?. <i>Chemical Engineering Journal</i> , 2019 , 378, 122117	14.7	27
92	Removal of heavy metals in a horizontal sub-surface flow constructed wetland. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005 , 40, 1369-79	2.3	27
91	Carbon sequestration and nutrient accumulation in floodplain and depressional wetlands. <i>Ecological Engineering</i> , 2018 , 114, 137-145	3.9	26
90	Preliminary investigation on the effect of earthworm and vegetation for sludge treatment in sludge treatment reed beds system. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 11957-63	5.1	25

89	Dynamics of chloroacetanilide herbicides in various types of mesocosm wetlands. <i>Science of the Total Environment</i> , 2017 , 577, 386-394	10.2	25
88	Retention of resources (metals, metalloids and rare earth elements) by autochthonously/allochthonously dominated wetlands: A review. <i>Ecological Engineering</i> , 2013 , 53, 106-114	3.9	24
87	Removal of nutrients in constructed wetlands for wastewater treatment through plant harvesting □ Biomass and load matter the most. <i>Ecological Engineering</i> , 2020 , 155, 105962	3.9	24
86	Transformation of chloroform in model treatment wetlands: from mass balance to microbial analysis. <i>Environmental Science & Technology</i> , 2015 , 49, 6198-205	10.3	23
85	Long term treatment performance of constructed wetlands for wastewater treatment in mountain areas: Four case studies from the Czech Republic. <i>Ecological Engineering</i> , 2014 , 71, 578-583	3.9	23
84	Plants in constructed, restored and created wetlands. <i>Ecological Engineering</i> , 2013 , 61, 501-504	3.9	23
83	The use of subsurface-flow constructed wetlands for wastewater treatment in the Czech Republic. <i>Ecological Engineering</i> , 1996 , 7, 1-14	3.9	23
82	Occurrence and removal of ibuprofen and its metabolites in full-scale constructed wetlands treating municipal wastewater. <i>Ecological Engineering</i> , 2018 , 120, 1-5	3.9	23
81	Application of floating treatment wetlands for stormwater runoff: A critical review of the recent developments with emphasis on heavy metals and nutrient removal. <i>Science of the Total Environment</i> , 2021 , 777, 146044	10.2	23
80	Horizontal sub-surface flow constructed wetlands Ondřejov and Spělný Pořín in the Czech Republic □ 5 years of operation. <i>Desalination</i> , 2009 , 246, 226-237	10.3	22
79	Uptake of lead, chromium, cadmium and cobalt by <i>Cladophora glomerata</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 1990 , 44, 468-72	2.7	21
78	Heavy metals in plants in constructed and natural wetlands: concentration, accumulation and seasonality. <i>Water Science and Technology</i> , 2015 , 71, 268-76	2.2	20
77	Vegetation development in subsurface flow constructed wetlands in the Czech Republic. <i>Ecological Engineering</i> , 2013 , 61, 575-581	3.9	20
76	Treatment wetlands aeration efficiency: A review. <i>Ecological Engineering</i> , 2019 , 136, 62-67	3.9	19
75	Iron and manganese in sediments of constructed wetlands with horizontal subsurface flow treating municipal sewage. <i>Ecological Engineering</i> , 2013 , 50, 69-75	3.9	19
74	Occurrence of Pharmaceuticals in Wastewater and Their Interaction with Shallow Aquifers: A Case Study of Horní Beřovice, Czech Republic. <i>Water (Switzerland)</i> , 2017 , 9, 218	3	18
73	Removal of BOD in constructed wetlands with horizontal sub-surface flow: Czech experience. <i>Water Science and Technology</i> , 1999 , 40, 113	2.2	18
72	Toxicity and Accumulation of Lead with Respect to Algae and Cyanobacteria: A Review. <i>Clean - Soil, Air, Water</i> , 1990 , 18, 513-535		18

71	Seasonal growth pattern of <i>Phalaris arundinacea</i> in constructed wetlands with horizontal subsurface flow. <i>Ecological Engineering</i> , 2015 , 80, 62-68	3.9	17
70	Removal of alkali metals and their sequestration in plants in constructed wetlands treating municipal sewage. <i>Hydrobiologia</i> , 2012 , 692, 131-143	2.4	17
69	Nitrogen and phosphorus standing stock in <i>Phalaris arundinacea</i> and <i>Phragmites australis</i> in a constructed treatment wetland: 3-year study. <i>Archives of Agronomy and Soil Science</i> , 2008 , 54, 297-308	2	16
68	Arbuscular mycorrhizal fungi colonization and physiological functions toward wetland plants under different water regimes. <i>Science of the Total Environment</i> , 2020 , 716, 137040	10.2	15
67	Constructed Wetlands for Wastewater Treatment 2019 , 14-21		15
66	Floating treatment wetlands integrated with microbial fuel cell for the treatment of urban wastewaters and bioenergy generation. <i>Science of the Total Environment</i> , 2021 , 766, 142474	10.2	15
65	Treatment of a small stream impacted by agricultural drainage in a semi-constructed wetland. <i>Science of the Total Environment</i> , 2018 , 643, 52-62	10.2	15
64	Global nitrogen input on wetland ecosystem: The driving mechanism of soil labile carbon and nitrogen on greenhouse gas emissions. <i>Environmental Science and Ecotechnology</i> , 2020 , 4, 100063	7.4	14
63	Competition of <i>Phragmites australis</i> and <i>Phalaris arundinacea</i> in constructed wetlands with horizontal subsurface flow Does it affect BOD ₅ , COD and TSS removal?. <i>Ecological Engineering</i> , 2014 , 73, 53-57	3.9	14
62	Occurrence and Chemistry of Zinc in Freshwaters Its Toxicity and Bioaccumulation with Respect to Algae: A Review. Part 1: Occurrence and Chemistry of Zinc in Freshwaters. <i>Clean - Soil, Air, Water</i> , 1985 , 13, 627-654		14
61	Effect of earthworms and plants on the efficiency of vertical flow systems treating university wastewater. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 10354-10362	5.1	14
60	Employ of arbuscular mycorrhizal fungi for pharmaceuticals ibuprofen and diclofenac removal in mesocosm-scale constructed wetlands. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124524	12.8	14
59	Do Laboratory Scale Experiments Improve Constructed Wetland Treatment Technology?. <i>Environmental Science & Technology</i> , 2018 , 52, 12956-12957	10.3	14
58	Restoration of areas affected by mining. <i>Ecological Engineering</i> , 2012 , 43, 1-4	3.9	13
57	Is Concentration of Dissolved Oxygen a Good Indicator of Processes in Filtration Beds of Horizontal-Flow Constructed Wetlands? 2008 , 311-317		13
56	Constructed wetlands for wastewater treatment in the Czech Republic the first 5 years experience. <i>Water Science and Technology</i> , 1996 , 34, 159	2.2	12
55	Constructed wetlands with subsurface flow for nitrogen removal from tile drainage. <i>Ecological Engineering</i> , 2020 , 155, 105943	3.9	11
54	Can subsurface flow constructed wetlands be applied in cold climate regions? A review of the current knowledge. <i>Ecological Engineering</i> , 2020 , 157, 105992	3.9	11

53	Constructed wetlands for wastewater treatment in the Czech Republic: State of the art. <i>Water Science and Technology</i> , 1995 , 32, 357	2.2	10
52	Antioxidant response in arbuscular mycorrhizal fungi inoculated wetland plant under Cr stress. <i>Environmental Research</i> , 2020 , 191, 110203	7.9	10
51	Removal of saccharin from municipal sewage: The first results from constructed wetlands. <i>Chemical Engineering Journal</i> , 2016 , 306, 1067-1070	14.7	9
50	Zn uptake by <i>Cladophora glomerata</i> . <i>Hydrobiologia</i> , 1987 , 148, 97-101	2.4	9
49	Removal Efficiency of Constructed Wetland for Treatment of Agricultural Wastewaters. <i>Chemistry Journal of Moldova</i> , 2017 , 12, 45-52	0.9	9
48	Nitrogen standing stock in <i>Phragmites australis</i> growing in constructed wetlands: Do we evaluate it correctly?. <i>Ecological Engineering</i> , 2015 , 74, 286-289	3.9	8
47	Uptake of Heavy Metals by <i>Cladophora glomerata</i> . <i>Clean - Soil, Air, Water</i> , 1990 , 18, 657-665		8
46	Comment on "Enhanced Long-Term Nitrogen Removal and Its Quantitative Molecular Mechanism in Tidal Flow Constructed Wetlands". <i>Environmental Science & Technology</i> , 2015 , 49, 11241-2	10.3	7
45	Effects of loading rates and plant species on sludge characteristics in earthworm assistant sludge treatment wetlands. <i>Science of the Total Environment</i> , 2020 , 730, 139142	10.2	7
44	Phosphorus removal in a pilot scale free water surface constructed wetland: hydraulic retention time, seasonality and standing stock evaluation. <i>Chemosphere</i> , 2021 , 266, 128939	8.4	7
43	Green walls: A form of constructed wetland in green buildings. <i>Ecological Engineering</i> , 2021 , 169, 106321	3.9	7
42	Effects of tidal operation on pilot-scale horizontal subsurface flow constructed wetland treating sulfate rich wastewater contaminated by chlorinated hydrocarbons. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1042-1050	5.1	6
41	Heavy metals in <i>Phalaris arundinacea</i> growing in a constructed wetland treating municipal sewage. <i>International Journal of Environmental Analytical Chemistry</i> , 2011 , 91, 753-767	1.8	6
40	Subsurface horizontal-flow constructed wetlands for wastewater treatment: The Czech experience. <i>Wetlands Ecology and Management</i> , 1996 , 4, 199-206	2.1	6
39	Preface: Wetlands biodiversity and processes: Tools for conservation and management. <i>Hydrobiologia</i> , 2016 , 774, 1-5	2.4	6
38	Sulfur Cycling in Constructed Wetlands 2008 , 329-344		6
37	Seed bank of <i>Littorella uniflora</i> (L.) Asch. in the Czech Republic, Central Europe: does burial depth and sediment type influence seed germination?. <i>Hydrobiologia</i> , 2017 , 794, 347-358	2.4	5
36	Constructed wetlands with horizontal subsurface flow in the Czech Republic: Two long-term case studies. <i>Desalination and Water Treatment</i> , 2009 , 4, 40-44		5

35	Occurrence and Chemistry of Zinc in Freshwaters Its Toxicity and Bioaccumulation with Respect to Algae: A Review Part 2: Toxicity and Bioaccumulation with Respect to Algae. <i>Clean - Soil, Air, Water</i> , 1986 , 14, 83-102		5
34	The Historical Development of Constructed Wetlands for Wastewater Treatment. <i>Land</i> , 2022 , 11, 174	3.5	5
33	Arbuscular mycorrhizal fungi modulate the chromium distribution and bioavailability in semi-aquatic habitats. <i>Chemical Engineering Journal</i> , 2021 , 420, 129925	14.7	5
32	Treatment of water contaminated by volatile organic compounds in hydroponic root mats. <i>Ecological Engineering</i> , 2017 , 98, 339-345	3.9	4
31	Reconstruction of a constructed wetland with horizontal subsurface flow after 18 years of operation. <i>Water Science and Technology</i> , 2013 , 68, 1195-202	2.2	4
30	Long-term performance of nutrient removal in an integrated constructed wetland. <i>Science of the Total Environment</i> , 2021 , 779, 146268	10.2	4
29	Evaluation of macrophytes suitable for agriculture drainage treatment with respect to their carbon sequestration potential. <i>Ecological Engineering</i> , 2018 , 124, 31-37	3.9	4
28	Plant Community Response to Long-Term N and P Fertilization. <i>Ecological Studies</i> , 2008 , 505-527	1.1	4
27	Application of arbuscular mycorrhizal fungi for pharmaceuticals and personal care productions removal in constructed wetlands with different substrate. <i>Journal of Cleaner Production</i> , 2022 , 339, 130760	10.3	3
26	LONG-TERM TREATMENT EFFICIENCY OF A HORIZONTAL SUBSURFACE FLOW CONSTRUCTED WETLAND AT JIMLIKOV, CZECH REPUBLIC. <i>Environmental Engineering and Management Journal</i> , 2014 , 13, 73-80	0.6	3
25	Assessment of runoff nitrogen load reduction measures for agricultural catchments. <i>Open Geosciences</i> , 2018 , 10, 403-412	1.3	3
24	Efficiency and plant indication of nitrogen and phosphorus removal in constructed wetlands: A field-scale study in a frost-free area. <i>Science of the Total Environment</i> , 2021 , 799, 149301	10.2	3
23	Critical Review: Biogeochemical Networking of Iron, Is It Important in Constructed Wetlands for Wastewater Treatment?. <i>Environmental Science & Technology</i> , 2019 ,	10.3	2
22	Greenhouse Gases Formation and Emission 2019 , 329-333		2
21	Size Fractions of Heavy Metals in Waters. <i>Clean - Soil, Air, Water</i> , 1989 , 17, 309-313		2
20	Ammonium uptake and biomass interaction in <i>Cladophora glomerata</i> (Chlorophyta). <i>British Phycological Journal</i> , 1987 , 22, 163-167		2
19	Enhancement of denitrification in biofilters by immobilized biochar under low-temperature stress.. <i>Bioresource Technology</i> , 2022 , 347, 126664	11	2
18	Arbuscular mycorrhizal symbiosis in constructed wetlands with different substrates: Effects on the phytoremediation of ibuprofen and diclofenac. <i>Journal of Environmental Management</i> , 2021 , 296, 113217	7.9	2

17	Impact of microplastics on the treatment performance of constructed wetlands: Based on substrate characteristics and microbial activities.. <i>Water Research</i> , 2022 , 217, 118430	12.5	2
16	Meta-analysis of the removal of trace organic contaminants from constructed wetlands: Conditions, parameters, and mechanisms. <i>Ecological Engineering</i> , 2022 , 178, 106596	3.9	2
15	Nutrient Accumulation by <i>Phragmites australis</i> and <i>Phalaris arundinacea</i> Growing in Two Constructed Wetlands for Wastewater Treatment 2010 , 133-149		1
14	Constructed Wetlands in the Czech Republic: 20 Years of Experience 2010 , 169-178		1
13	Hybrid constructed wetlands integrated with microbial fuel cells and reactive bed filter for wastewater treatment and bioelectricity generation. <i>Environmental Science and Pollution Research</i> , 2021 , 29, 22223	5.1	1
12	Constructed Wetlands for Water Quality Regulation 2018 , 1313-1320		1
11	Constructed Wetlands for Water Quality Regulation 2016 , 1-8		1
10	Species traits and decomposability predict water quality changes during litter submergence. <i>Science of the Total Environment</i> , 2020 , 712, 135581	10.2	1
9	Fate of antifungal drugs climbazole and fluconazole in constructed wetlands - Diastereoselective transformation indicates process conditions. <i>Chemical Engineering Journal</i> , 2021 , 421, 127783	14.7	1
8	A review of technologies for closing the P loop in agriculture runoff: Contributing to the transition towards a circular economy. <i>Ecological Engineering</i> , 2022 , 177, 106571	3.9	1
7	Distribution of heavy metals in <i>Phragmites australis</i> growing in constructed treatment wetlands and comparison with natural unpolluted sites. <i>Ecological Engineering</i> , 2022 , 175, 106505	3.9	0
6	The combination sequence effect on nitrogen removal pathway in hybrid constructed wetlands treating raw sewage from multiple perspectives.. <i>Science of the Total Environment</i> , 2022 , 155200	10.2	0
5	Does the Presence of Weedy Species Affect the Treatment Efficiency in Constructed Wetlands with Horizontal Subsurface Flow? 2015 , 315-321		
4	Treatment of Chlorinated Benzenes in Different Pilot Scale Constructed Wetlands 2016 , 225-235		
3	Removal of Phosphorus in Constructed Wetlands with Horizontal Sub-Surface Flow in the Czech Republic 2004 , 657-670		
2	Field Study VI: The Effect of Loading Strategies on Removal Efficiencies of a Hybrid Constructed Wetland Treating Mixed Domestic and Agro-Industrial Wastewaters. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020 , 395-409	0.5	
1	Transformation of Chloroform in Constructed Wetlands 2016 , 237-245		