Hans Brix

List of Publications by Year in Descending Order

267 papers	13,597 citations	62 h-index	106 g-index
276 ext. papers	15,108 ext. citations	4.3 avg, IF	6.76 L-index

#	Paper	IF	Citations
267	Sustained Phosphorus Removal by Calcareous Materials in Long-Term (Two Years) Column Experiment. *Water (Switzerland)*, **2022**, 14, 682	3	
266	Microbial Electrochemically Assisted Treatment Wetlands: Current Flow Density as a Performance Indicator in Real-Scale Systems in Mediterranean and Northern European Locations.. *Frontiers in Microbiology*, **2022**, 13, 843135	5.7	1
265	The Effect of Sol-Gel Coatings on the Phosphorus (P) Adsorption Capacity of Calcareous Materials for Use in Water Treatment. *Water (Switzerland)*, **2022**, 14, 3	3	1
264	Effects of effluent recycle on treatment performance in a vertical flow constructed wetland. *Ecological Engineering*, **2022**, 180, 106675	3.9	
263	Wastewater-Fertigated Short-Rotation Coppice, a Combined Scheme of Wastewater Treatment and Biomass Production: A State-of-the-Art Review. *Forests*, **2022**, 13, 810	2.8	1
262	The use of treatment wetlands plants for protein and cellulose valorization in biorefinery platform.. *Science of the Total Environment*, **2021**, 810, 152376	10.2	1
261	Phosphorus Recovery from Wastewater: Bioavailability of P Bound to Calcareous Material for Maize (Zea Mays L.) Growth. *Recycling*, **2021**, 6, 25	3.2	2
260	Transcriptome Analysis of Tetraploid and Octoploid Common Reed (). *Frontiers in Plant Science*, **2021**, 12, 653183	6.2	2
259	Preface: Wetland ecosystemsFunctions and use in a changing climate. *Hydrobiologia*, **2021**, 848, 3255	2.4	0
258	Shade and salinity responses of two dominant coastal wetland grasses: implications for light competition at the transition zone. *Annals of Botany*, **2021**, 128, 469-480	4.1	1
257	Investigating degradation metabolites and underlying pathway of azo dye "Reactive Black 5" in bioaugmented floating treatment wetlands. *Environmental Science and Pollution Research*, **2021**, 28, 65229-65242	5.1	1
256	Differences in relative air humidity affect responses to soil salinity in freshwater and salt marsh populations of the dominant grass species Phragmites australis. *Hydrobiologia*, **2021**, 848, 3353-3369	2.4	4
255	Intraspecific differences of Asian/Australian Phragmites australis subgroups reveal no potentially invasive traits. *Hydrobiologia*, **2021**, 848, 3331-3351	2.4	1
254	Simultaneous elimination of antibiotics resistance genes and dissolved organic matter in treatment wetlands: Characteristics and associated relationship. *Chemical Engineering Journal*, **2021**, 415, 128966	14.7	14
253	Enhanced degradation of hydrocarbons in constructed wetlands aided with nutrients, surfactant, and aeration.. *International Journal of Phytoremediation*, **2021**, 1-10	3.9	
252	Potential Use of Plant Biomass from Treatment Wetland Systems for Producing Biofuels through a Biocrude Green-Biorefining Platform. *Energies*, **2021**, 14, 8157	3.1	1
251	Suitability of Wild Phragmites australis as Bio-Resource: Tissue Quality and Morphology of Populations from Three Continents. *Resources*, **2020**, 9, 143	3.7	1

250	Growth and photosynthetic acclimation to temperature in hybrid Napier grass (Pennisetum purpureum P. americanum cv. Pakchong 1) and giant reed (Arundo donax). *Aquatic Botany*, **2020**, 164, 103232	1.8	
249	Constructed Wetlands in Latin America and the Caribbean: A Review of Experiences during the Last Decade. *Water (Switzerland)*, **2020**, 12, 1744	3	14
248	Biomethane Yield from Different European Phragmites australis Genotypes, Compared with Other Herbaceous Wetland Species Grown at Different Fertilization Regimes. *Resources*, **2020**, 9, 57	3.7	4
247	Community level physiological profiling of microbial electrochemical-based constructed wetlands. *Science of the Total Environment*, **2020**, 721, 137761	10.2	11
246	Intraspecific variation in Phragmites australis: Clinal adaption of functional traits and phenotypic plasticity vary with latitude of origin. *Journal of Ecology*, **2020**, 108, 2531-2543	6	12
245	Growth performance of tropical wetland species (Cyperus involucratus Rottb. and Thalia geniculata L.) in anaerobic digester effluent and their water treatment efficiency. *Ecological Engineering*, **2020**, 143, 105667	3.9	9
244	Relationship between Polycyclic Aromatic Hydrocarbons in Sediments and Invertebrates of Natural and Artificial Stormwater Retention Ponds. *Water (Switzerland)*, **2020**, 12, 2020	3	2
243	Nutrient removal potential and biomass production by Phragmites australis and Typha latifolia on European rewetted peat and mineral soils. *Science of the Total Environment*, **2020**, 747, 141102	10.2	13
242	In-Situ CO2 Partitioning Measurements in a Phragmites australis Wetland: Understanding Carbon Loss through Ecosystem Respiration. *Wetlands*, **2020**, 40, 901-914	1.7	3
241	Phylogenetic diversity shapes salt tolerance in Phragmites australis estuarine populations in East China. *Scientific Reports*, **2020**, 10, 17645	4.9	8
240	Negative Feedback by Vegetation on Soil Organic Matter Decomposition in a Coastal Wetland. *Wetlands*, **2020**, 40, 2785-2797	1.7	0
239	Cryptic lineages and potential introgression in a mixed-ploidy species (Phragmites australis) across temperate China. *Journal of Systematics and Evolution*, **2020**,	2.9	6
238	A 3-Year In-Situ Measurement of CO2 Efflux in Coastal Wetlands: Understanding Carbon Loss through Ecosystem Respiration and its Partitioning. *Wetlands*, **2020**, 40, 551-562	1.7	1
237	Large-scale remediation of oil-contaminated water using floating treatment wetlands. *Npj Clean Water*, **2019**, 2,	11.2	48
236	Critical Review: Biogeochemical Networking of Iron in Constructed Wetlands for Wastewater Treatment. *Environmental Science & Technology*, **2019**, 53, 7930-7944	10.3	48
235	Evidence does not support the targeting of cryptic invaders at the subspecies level using classical biological control: the example of Phragmites. *Biological Invasions*, **2019**, 21, 2529-2541	2.7	6
234	Critical Review: Biogeochemical Networking of Iron, Is It Important in Constructed Wetlands for Wastewater Treatment?. *Environmental Science & Technology*, **2019**,	10.3	2
233	Crushed Autoclaved Aerated Concrete (CAAC), a Potential Reactive Filter Medium for Enhancing Phosphorus Removal in Nature-Based Solutions Preliminary Batch Studies. *Water (Switzerland)*, **2019**, 11, 1442	3	3

232	Enhanced removal of pharmaceuticals in a biofilter: Effects of manipulating co-degradation by carbon feeding. *Chemosphere*, **2019**, 236, 124303	8.4	24
231	Physiology of a plant invasion. *Preslia*, **2019**, 91, 51-75	3.9	13
230	Assessing nutrient responses and biomass quality for selection of appropriate paludiculture crops. *Science of the Total Environment*, **2019**, 664, 1150-1161	10.2	13
229	Cork as a sustainable carbon source for nature-based solutions treating hydroponic wastewaters - Preliminary batch studies. *Science of the Total Environment*, **2019**, 650, 267-276	10.2	15
228	Impact of engineered nanoparticles on microbial transformations of carbon, nitrogen, and phosphorus in wastewater treatment processes - A review. *Science of the Total Environment*, **2019**, 660, 1144-1154	10.2	13
227	Side-by-side comparison of 15 pilot-scale conventional and intensified subsurface flow wetlands for treatment of domestic wastewater. *Science of the Total Environment*, **2019**, 658, 1500-1513	10.2	32
226	Electroactive biofilm-based constructed wetland (EABB-CW): A mesocosm-scale test of an innovative setup for wastewater treatment. *Science of the Total Environment*, **2019**, 659, 796-806	10.2	38
225	Characterization of Hydrocarbon-Degrading Bacteria in Constructed Wetland Microcosms Used to Treat Crude Oil Polluted Water. *Bulletin of Environmental Contamination and Toxicology*, **2019**, 102, 358-364	2.7	13
224	Microbial community metabolic profiles in saturated constructed wetlands treating iohexol and ibuprofen. *Science of the Total Environment*, **2019**, 651, 1926-1934	10.2	17
223	Living in two worlds: Evolutionary mechanisms act differently in the native and introduced ranges of an invasive plant. *Ecology and Evolution*, **2018**, 8, 2440-2452	2.8	10
222	Rethinking Intensification of Constructed Wetlands as a Green Eco-Technology for Wastewater Treatment. *Environmental Science & Technology*, **2018**, 52, 1693-1694	10.3	47
221	Impacts of design configuration and plants on the functionality of the microbial community of mesocosm-scale constructed wetlands treating ibuprofen. *Water Research*, **2018**, 131, 228-238	12.5	38
220	Small genome separates native and invasive populations in an ecologically important cosmopolitan grass. *Ecology*, **2018**, 99, 79-90	4.6	22
219	Removal of the pesticide tebuconazole in constructed wetlands: Design comparison, influencing factors and modelling. *Environmental Pollution*, **2018**, 233, 71-80	9.3	38
218	Methodologies for the analysis of pesticides and pharmaceuticals in sediments and plant tissue. *Analytical Methods*, **2018**, 10, 3791-3803	3.2	1
217	Aerated Constructed Wetlands for Treatment of Municipal and Food Industry Wastewater **2018**, 65-93		1
216	Treatment of Anaerobic Digester Effluent Using : Effects on Plant Growth and Tissue Composition. *Plants*, **2018**, 7,	4.5	5
215	Minimum Fe requirement and toxic tissue concentration of Fe in Phragmites australis: A tool for alleviating Fe-deficiency in constructed wetlands. *Ecological Engineering*, **2018**, 118, 152-160	3.9	8

214	Microbial Electrochemical Technologies for Wastewater Treatment: Principles and Evolution from Microbial Fuel Cells to Bioelectrochemical-Based Constructed Wetlands. *Water (Switzerland)*, **2018**, 10, 1128	3	61
213	Phytoremediation Potential of Typha orientalis and Scirpus littoralis in Removal of Nitrogen and Phosphorus from Intensive Whiteleg Shrimp Wastewater. *E3S Web of Conferences*, **2018**, 68, 04003	0.5	1
212	Carbon sequestration and its controlling factors in the temperate wetland communities along the Bohai Sea, China. *Marine and Freshwater Research*, **2018**, 69, 700	2.2	5
211	Comparison of removal efficiency of pathogenic microbes in four types of wastewater treatment systems in Denmark. *Ecological Engineering*, **2018**, 124, 1-6	3.9	14
210	New insights into the effects of support matrix on the removal of organic micro-pollutants and the microbial community in constructed wetlands. *Environmental Pollution*, **2018**, 240, 699-708	9.3	23
209	Ibuprofen and iohexol removal in saturated constructed wetland mesocosms. *Ecological Engineering*, **2017**, 98, 394-402	3.9	32
208	Effects of soil type and water saturation on growth, nutrient and mineral content of the perennial forage shrub Sesbania sesban. *Agroforestry Systems*, **2017**, 91, 173-184	2	1
207	Assessment of culturable bacterial endophytic communities colonizing Canna flaccida inhabiting a wastewater treatment constructed wetland. *Ecological Engineering*, **2017**, 98, 418-426	3.9	20
206	Effects of recirculation rates on water quality and Oreochromis niloticus growth in aquaponic systems. *Aquacultural Engineering*, **2017**, 78, 95-104	3	21
205	Ammonium and nitrate are both suitable inorganic nitrogen forms for the highly productive wetland grass Arundo donax, a candidate species for wetland paludiculture. *Ecological Engineering*, **2017**, 105, 379-386	3.9	16
204	Constructed wetlands and solar-driven disinfection technologies for sustainable wastewater treatment and reclamation in rural India: SWINGS project. *Water Science and Technology*, **2017**, 76, 1474-1489	2.2	26
203	Enantioselective uptake, translocation and degradation of the chiral pesticides tebuconazole and imazalil by Phragmites australis. *Environmental Pollution*, **2017**, 229, 362-370	9.3	46
202	Functionality of microbial communities in constructed wetlands used for pesticide remediation: Influence of system design and sampling strategy. *Water Research*, **2017**, 110, 241-251	12.5	53
201	Acclimation to light and avoidance of photoinhibition in Typha latifolia is associated with high photosynthetic capacity and xanthophyll pigment content. *Functional Plant Biology*, **2017**, 44, 774-784	2.7	4
200	Effects of constructed wetland design on ibuprofen removal - A mesocosm scale study. *Science of the Total Environment*, **2017**, 609, 38-45	10.2	48
199	Phylogeography reveals a potential cryptic invasion in the Southern Hemisphere of Ceratophyllum demersum, New Zealand's worst invasive macrophyte. *Scientific Reports*, **2017**, 7, 16569	4.9	5
198	Global networks for invasion science: benefits, challenges and guidelines. *Biological Invasions*, **2017**, 19, 1081-1096	2.7	33
197	Microbial community metabolic function in constructed wetland mesocosms treating the pesticides imazalil and tebuconazole. *Ecological Engineering*, **2017**, 98, 378-387	3.9	24

196	Cosmopolitan Species As Models for Ecophysiological Responses to Global Change: The Common Reed. *Frontiers in Plant Science*, **2017**, 8, 1833	6.2	69
195	Sludge Dewatering and Mineralization in Sludge Treatment Reed Beds. *Water (Switzerland)*, **2017**, 9, 160	3	30
194	Hybrid Napier grass as a candidate species for bio-energy in plant-based water treatment systems: Interactive effects of nitrogen and water depth. *Aquatic Botany*, **2017**, 138, 82-91	1.8	11
193	Anh hng dang m vt lu kha nng sinh trng vˆ xly m cua co mom mo (Hymenachne acutigluma). *Tap Chi Khoa Hoc = Journal of Science*, **2017**, Mitrng 2017, 100	0.1	
192	Removal of the pesticides imazalil and tebuconazole in saturated constructed wetland mesocosms. *Water Research*, **2016**, 91, 126-36	12.5	56
191	Phytoremediation of imazalil and tebuconazole by four emergent wetland plant species in hydroponic medium. *Chemosphere*, **2016**, 148, 459-66	8.4	55
190	Impact of aeration on macrophyte establishment in sub-surface constructed wetlands used for tertiary treatment of sewage. *Ecological Engineering*, **2016**, 91, 65-73	3.9	14
189	The interactive effect of Juncus effusus and water table position on mesocosm methanogenesis and methane emissions. *Plant and Soil*, **2016**, 400, 45-54	4.2	15
188	Removal of the pharmaceuticals ibuprofen and iohexol by four wetland plant species in hydroponic culture: plant uptake and microbial degradation. *Environmental Science and Pollution Research*, **2016**, 23, 2890-8	5.1	45
187	Inter-Annual Variability of Area-Scaled Gaseous Carbon Emissions from Wetland Soils in the Liaohe Delta, China. *PLoS ONE*, **2016**, 11, e0160612	3.7	13
186	Ecosystem Service Value for the Common Reed Wetlands in the Liaohe Delta, Northeast China. *Open Journal of Ecology*, **2016**, 06, 129-137	0.5	10
185	Multilayer Substrate Configuration Enhances Removal Efficiency of Pollutants in Constructed Wetlands. *Water (Switzerland)*, **2016**, 8, 556	3	6
184	Phragmites australis: How do genotypes of different phylogeographic origins differ from their invasive genotypes in growth, nitrogen allocation and gas exchange?. *Biological Invasions*, **2016**, 18, 2563-2576	2.7	12
183	Microbial density and diversity in constructed wetland systems and the relation to pollutant removal efficiency. *Water Science and Technology*, **2016**, 73, 679-86	2.2	12
182	Do ploidy level and nuclear genome size and latitude of origin modify the expression of Phragmites australis traits and interactions with herbivores?. *Biological Invasions*, **2016**, 18, 2531-2549	2.7	27
181	Phenotypic traits of the Mediterranean Phragmites australis M1 lineage: differences between the native and introduced ranges. *Biological Invasions*, **2016**, 18, 2551-2561	2.7	9
180	Using Green Functions to initialize and adjust a global, eddying ocean biogeochemistry general circulation model. *Ocean Modelling*, **2015**, 95, 1-14	3	17
179	Constructed wetland with a polyculture of ornamental plants for wastewater treatment at a rural tourism facility. *Ecological Engineering*, **2015**, 79, 1-7	3.9	57

178	Treatment of industrial effluents in constructed wetlands: challenges, operational strategies and overall performance. *Environmental Pollution*, **2015**, 201, 107-20	9.3	133
177	Invasive submerged freshwater macrophytes are more plastic in their response to light intensity than to the availability of free CO2 in air-equilibrated water. *Freshwater Biology*, **2015**, 60, 929-943	3.1	17
176	Design and performance evaluation of a highly loaded aerated treatment wetland managing effluents from a food processing industry in Denmark. *Water Practice and Technology*, **2015**, 10, 644-651	0.9	4
175	Influence of low calcium availability on cadmium uptake and translocation in a fast-growing shrub and a metal-accumulating herb. *AoB PLANTS*, **2015**, 8,	2.9	21
174	Gas Transport and Exchange through Wetland Plant Aerenchyma. *Soil Science Society of America Book Series*, **2015**, 177-196		1
173	Factors influencing CO₂ and CH₄ emissions from coastal wetlands in the Liaohe Delta, Northeast China. *Biogeosciences*, **2015**, 12, 4965-4977	4.6	49
172	Does <i>Juncus effusus</i> enhance methane emissions from grazed pastures on peat?. *Biogeosciences*, **2015**, 12, 5667-5676	4.6	6
171	Microbial communities from different types of natural wastewater treatment systems: vertical and horizontal flow constructed wetlands and biofilters. *Water Research*, **2014**, 55, 304-12	12.5	140
170	A review of plant-pharmaceutical interactions: from uptake and effects in crop plants to phytoremediation in constructed wetlands. *Environmental Science and Pollution Research*, **2014**, 21, 11729-63	5.1	186
169	Closely related freshwater macrophyte species, Ceratophyllum demersum and C. submersum, differ in temperature response. *Freshwater Biology*, **2014**, 59, 777-788	3.1	7
168	Emissions of CO2 and CH4 from sludge treatment reed beds depend on system management and sludge loading. *Journal of Environmental Management*, **2014**, 141, 51-60	7.9	15
167	Effects of inorganic nitrogen form on growth, morphology, N uptake, and nutrient allocation in hybrid Napier grass (Pennisetum purpureum Pennisetum americanum cv. Pakchong1). *Ecological Engineering*, **2014**, 73, 653-658	3.9	11
166	Large-scale management of common reed, Phragmites australis, for paper production: A case study from the Liaohe Delta, China. *Ecological Engineering*, **2014**, 73, 760-769	3.9	67
165	Ammonium tolerance and toxicity of Actinoscirpus grossus--a candidate species for use in tropical constructed wetland systems. *Ecotoxicology and Environmental Safety*, **2014**, 107, 319-28	7	9
164	Can differences in salinity tolerance explain the distribution of four genetically distinct lineages of Phragmites australis in the Mississippi River Delta?. *Hydrobiologia*, **2014**, 737, 5-23	2.4	20
163	SWS European Chapter Meeting on wetland restoration challenges and opportunities. *Ecological Engineering*, **2014**, 66, 1-5	3.9	3
162	Distribution of metals in fauna, flora and sediments of wet detention ponds and natural shallow lakes. *Ecological Engineering*, **2014**, 66, 43-51	3.9	18
161	Preadaptation and post-introduction evolution facilitate the invasion of Phragmites australis in North America. *Ecology and Evolution*, **2014**, 4, 4567-77	2.8	30

160	Expression of major photosynthetic and salt-resistance genes in invasive reed lineages grown under elevated CO2 and temperature. *Ecology and Evolution*, **2014**, 4, 4161-72	2.8	10
159	Use of planted biofilters in integrated recirculating aquaculture-hydroponics systems in the Mekong Delta, Vietnam. *Aquaculture Research*, **2014**, 45, 460-469	1.9	30
158	Increased invasive potential of non-native Phragmites australis: elevated CO2 and temperature alleviate salinity effects on photosynthesis and growth. *Global Change Biology*, **2014**, 20, 531-43	11.4	38
157	Development of constructed wetlands in performance intensifications for wastewater treatment: a nitrogen and organic matter targeted review. *Water Research*, **2014**, 57, 40-55	12.5	391
156	Monitoring the Short-Term Response to Salt Exposure of Two Genetically Distinct <i>Phragmites australis</i> Clones with Different Salinity Tolerance Levels. *American Journal of Plant Sciences*, **2014**, 05, 1098-1109	0.5	3
155	Sources and preservation of organic matter in soils of the wetlands in the Liaohe (Liao River) Delta, North China. *Marine Pollution Bulletin*, **2013**, 71, 276-85	6.7	20
154	Interactive effects of nitrogen form and pH on growth, morphology, N uptake and mineral contents of Coix lacryma-jobi L.. *Aquatic Botany*, **2013**, 111, 144-149	1.8	11
153	Can root exudates from emergent wetland plants fuel denitrification in subsurface flow constructed wetland systems?. *Ecological Engineering*, **2013**, 61, 555-563	3.9	134
152	Modeling the eutrophication of two mature planted stormwater ponds for runoff control. *Ecological Engineering*, **2013**, 61, 601-613	3.9	10
151	Escherichia coli removal and internal dynamics in subsurface flow ecotechnologies: Effects of design and plants. *Ecological Engineering*, **2013**, 61, 564-574	3.9	63
150	Nitrogen nutrition of Cyperus laevigatus and Phormium tenax: Effects of ammonium versus nitrate on growth, nitrate reductase activity and N uptake kinetics. *Aquatic Botany*, **2013**, 106, 42-51	1.8	32
149	Invasion of Old World Phragmites australis in the New World: precipitation and temperature patterns combined with human influences redesign the invasive niche. *Global Change Biology*, **2013**, 19, 3406-22	11.4	42
148	Comparative analysis of constructed wetlands: The design and construction of the ecotechnology research facility in Langenreichenbach, Germany. *Ecological Engineering*, **2013**, 61, 527-543	3.9	70
147	Oxygen transfer and consumption in subsurface flow treatment wetlands. *Ecological Engineering*, **2013**, 61, 544-554	3.9	119
146	Wetlands, carbon, and climate change. *Landscape Ecology*, **2013**, 28, 583-597	4.3	512
145	Interactive effects of elevated temperature and CO2 on two phylogeographically distinct clones of common reed (Phragmites australis). *AoB PLANTS*, **2013**, 5,	2.9	15
144	Photosynthesis of co-existing Phragmites haplotypes in their non-native range: are characteristics determined by adaptations derived from their native origin?. *AoB PLANTS*, **2013**, 5,	2.9	11
143	Response to multi-generational selection under elevated [CO2] in two temperature regimes suggests enhanced carbon assimilation and increased reproductive output in Brassica napus L. *Ecology and Evolution*, **2013**, 3, 1163-72	2.8	13

142	Differences in salinity tolerance of genetically distinct Phragmites australis clones. *AoB PLANTS*, **2013**, 5,	2.9	32
141	Environment versus dispersal in the assembly of western Amazonian palm communities. *Journal of Biogeography*, **2012**, 39, 1318-1332	4.1	52
140	Use of constructed wetland systems with Arundo and Sarcocornia for polishing high salinity tannery wastewater. *Journal of Environmental Management*, **2012**, 95, 66-71	7.9	123
139	Growth and morphology in relation to temperature and light availability during the establishment of three invasive aquatic plant species. *Aquatic Botany*, **2012**, 102, 56-64	1.8	69
138	Internal methane transport through Juncus effusus: experimental manipulation of morphological barriers to test above- and below-ground diffusion limitation. *New Phytologist*, **2012**, 196, 799-806	9.8	31
137	Gas exchange and growth responses to nutrient enrichment in invasive Glyceria maxima and native New Zealand Carex species. *Aquatic Botany*, **2012**, 103, 37-47	1.8	6
136	Different genotypes of Phragmites australis show distinct phenotypic plasticity in response to nutrient availability and temperature. *Aquatic Botany*, **2012**, 103, 89-97	1.8	34
135	Improved urban stormwater treatment and pollutant removal pathways in amended wet detention ponds. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2012**, 47, 1466-77	2.3	25
134	Musk fragrances, DEHP and heavy metals in a 20 years old sludge treatment reed bed system. *Water Research*, **2012**, 46, 3889-96	12.5	41
133	Effects of inorganic nitrogen forms on growth, morphology, nitrogen uptake capacity and nutrient allocation of four tropical aquatic macrophytes (Salvinia cucullata, Ipomoea aquatica, Cyperus involucratus and Vetiveria zizanioides). *Aquatic Botany*, **2012**, 97, 10-16	1.8	53
132	Intraspecies differences in phenotypic plasticity: Invasive versus non-invasive populations of Ceratophyllum demersum. *Aquatic Botany*, **2012**, 97, 49-56	1.8	25
131	Response of Salvinia cucullata to high NH4(+) concentrations at laboratory scales. *Ecotoxicology and Environmental Safety*, **2012**, 79, 69-74	7	18
130	Characteristics of biosolids from sludge treatment wetlands for agricultural reuse. *Ecological Engineering*, **2012**, 40, 210-216	3.9	37
129	Carbon footprint of sludge treatment reed beds. *Ecological Engineering*, **2012**, 44, 298-302	3.9	24
128	Toxicity of high salinity tannery wastewater and effects on constructed wetland plants. *International Journal of Phytoremediation*, **2012**, 14, 669-80	3.9	14
127	Evaluation of aquatic plants for removing polar microcontaminants: a microcosm experiment. *Chemosphere*, **2012**, 88, 1257-64	8.4	120
126	Occurrence and behavior of emerging contaminants in surface water and a restored wetland. *Chemosphere*, **2012**, 88, 1083-9	8.4	101
125	Sorption media for stormwater treatment--a laboratory evaluation of five low-cost media for their ability to remove metals and phosphorus from artificial stormwater. *Water Environment Research*, **2012**, 84, 605-16	2.8	19

124	Phenotypic traits of Phragmites australis clones are not related to ploidy level and distribution range. *AoB PLANTS*, **2012**, 2012, pls017	2.9	19
123	Regression analysis of growth responses to water depth in three wetland plant species. *AoB PLANTS*, **2012**, 2012, pls043	2.9	9
122	Tracing the origin of Gulf Coast Phragmites (Poaceae): a story of long-distance dispersal and hybridization. *American Journal of Botany*, **2012**, 99, 538-51	2.7	97
121	Exploring the borders of European Phragmites within a cosmopolitan genus. *AoB PLANTS*, **2012**, 2012, pls020	2.9	46
120	Geographically distinct Ceratophyllum demersum populations differ in growth, photosynthetic responses and phenotypic plasticity to nitrogen availability. *Functional Plant Biology*, **2012**, 39, 774-783	2.7	8
119	Plasticity in carbon acquisition of the heterophyllous Luronium natans: An endangered freshwater species in Europe. *Aquatic Botany*, **2011**, 94, 127-133	1.8	6
118	Treatment of fishpond water by recirculating horizontal and vertical flow constructed wetlands in the tropics. *Aquaculture*, **2011**, 313, 57-64	4.4	62
117	Do tropical wetland plants possess convective gas flow mechanisms?. *New Phytologist*, **2011**, 190, 379-86	9.8	26
116	Increased [CO2] does not compensate for negative effects on yield caused by higher temperature and [O3] in Brassica napus L.. *European Journal of Agronomy*, **2011**, 35, 127-134	5	44
115	The flower and the butterfly constructed wetland system at Koh Phi Phi: System design and lessons learned during implementation and operation. *Ecological Engineering*, **2011**, 37, 729-735	3.9	46
114	Treatment of high-strength wastewater in tropical constructed wetlands planted with Sesbania sesban: Horizontal subsurface flow versus vertical downflow. *Ecological Engineering*, **2011**, 37, 711-720	3.9	72
113	Elimination and accumulation of polycyclic aromatic hydrocarbons in urban stormwater wet detention ponds. *Water Science and Technology*, **2011**, 64, 818-25	2.2	9
112	Nutrient and growth responses of cattail (Typha domingensis) to redox intensity and phosphate availability. *Annals of Botany*, **2010**, 105, 175-84	4.1	28
111	Invasion strategies in clonal aquatic plants: are phenotypic differences caused by phenotypic plasticity or local adaptation?. *Annals of Botany*, **2010**, 106, 813-22	4.1	60
110	Nitrogen nutrition of Canna indica: Effects of ammonium versus nitrate on growth, biomass allocation, photosynthesis, nitrate reductase activity and N uptake rates. *Aquatic Botany*, **2010**, 92, 142-148	1.8	68
109	Alum application to improve water quality in a municipal wastewater treatment wetland: effects on macrophyte growth and nutrient uptake. *Chemosphere*, **2010**, 79, 186-92	8.4	31
108	Can differences in phosphorus uptake kinetics explain the distribution of cattail and sawgrass in the Florida Everglades?. *BMC Plant Biology*, **2010**, 10, 23	5.3	10
107	Kinetics of pollutant removal from domestic wastewater in a tropical horizontal subsurface flow constructed wetland system: Effects of hydraulic loading rate. *Ecological Engineering*, **2010**, 36, 527-535	3.9	123

106	Filter bed systems treating domestic wastewater in the Nordic countries Performance and reuse of filter media. *Ecological Engineering*, **2010**, 36, 1651-1659	3.9	62
105	Genetic diversity in three invasive clonal aquatic species in New Zealand. *BMC Genetics*, **2010**, 11, 52	2.6	34
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4	Microbial Electrochemical Technologies for Wastewater Treatment: Principles and Evolution from Microbial Fuel Cells to Bioelectrochemical-Based Constructed Wetlands		3
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