

Maurizio Borin

List of Publications by Year in Descending Order

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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.

95 papers	2,078 citations	25 h-index	42 g-index
97 ext. papers	2,432 ext. citations	4.3 avg, IF	5.38 L-index

#	Paper	IF	Citations
95	Emerged macrophytes to the rescue: Perfluoroalkyl acid removal from wastewater and spiked solutions.. <i>Journal of Environmental Management</i> , 2022 , 309, 114703	7.9	
94	Digestate Liquid Fraction Treatment with Filters Filled with Recovery Materials. <i>Water (Switzerland)</i> , 2021 , 13, 21	3	3
93	Molecular Hallmarks, Agronomic Performances and Seed Nutraceutical Properties to Exploit Neglected Genetic Resources of Common Beans Grown by Organic Farming in Two Contrasting Environments. <i>Frontiers in Plant Science</i> , 2021 , 12, 674985	6.2	1
92	Uptake and translocation of perfluoroalkyl acids by hydroponically grown lettuce and spinach exposed to spiked solution and treated wastewaters. <i>Science of the Total Environment</i> , 2021 , 772, 145523	10.2	2
91	Can Long-Term Experiments Predict Real Field N and P Balance and System Sustainability? Results from Maize, Winter Wheat, and Soybean Trials Using Mineral and Organic Fertilisers. <i>Agronomy</i> , 2021 , 11, 1472	3.6	6
90	Plant species for floating treatment wetlands: A decade of experiments in North Italy. <i>Science of the Total Environment</i> , 2021 , 751, 141666	10.2	5
89	Green walls to treat kitchen greywater in urban areas: Performance from a pilot-scale experiment. <i>Science of the Total Environment</i> , 2021 , 757, 144189	10.2	6
88	Effects of Drought on Yield and Nutraceutical Properties of Beans (<i>Phaseolus</i> spp.) Traditionally Cultivated in Veneto, Italy. <i>Horticulturae</i> , 2021 , 7, 17	2.5	5
87	Insights about the Choice of Pig Manure Processing System in Three Italian Regions: Piemonte, Friuli Venezia Giulia, and Veneto. <i>Sustainability</i> , 2021 , 13, 787	3.6	
86	Composition and quality traits of vegetables grown in a low-tech aquaponic system at different fish stocking densities. <i>Journal of the Science of Food and Agriculture</i> , 2020 , 100, 4310-4318	4.3	3
85	Ornamental plants for floating treatment wetlands: preliminary results. <i>Italian Journal of Agronomy</i> , 2020 , 15,	1.4	1
84	Evaluating a Controlled-Release Fertilizer for Plant Establishment in Floating Elements for Bioretention Ponds. <i>Agronomy</i> , 2020 , 10, 199	3.6	1
83	Vegetation contribution on phosphorus removal in constructed wetlands. <i>Ecological Engineering</i> , 2020 , 152, 105853	3.9	17
82	On the Use of Multivariate Analysis and Land Evaluation for Potential Agricultural Development of the Northwestern Coast of Egypt. <i>Agronomy</i> , 2020 , 10, 1318	3.6	13
81	Treatment performances of floating wetlands: A decade of studies in North Italy. <i>Ecological Engineering</i> , 2020 , 158, 106016	3.9	5
80	Phytomanagement of Chromium-Contaminated Soils Using <i>Cannabis sativa</i> (L.). <i>Agronomy</i> , 2020 , 10, 1223	3.6	2
79	Nitrogen budget in recirculating aquaponic systems with different fish stocking density. <i>Italian Journal of Agronomy</i> , 2020 , 15, 239-245	1.4	0

78	Buffer Strips on the Low-Lying Plain of Veneto Region (Italy): Environmental Benefits and Efficient Use of Wood as an Energy Resource. <i>Journal of Environmental Quality</i> , 2019 , 48, 280-288	3.4	4
77	Compost as a Substitute for Mineral N Fertilization? Effects on Crops, Soil and N Leaching. <i>Agronomy</i> , 2019 , 9, 193	3.6	8
76	Plant species effect on CO ₂ and CH ₄ emissions from pilot constructed wetlands in Mediterranean area. <i>Ecological Engineering</i> , 2019 , 134, 112-117	3.9	10
75	Controlled drainage and crop production in a long-term experiment in North-Eastern Italy. <i>Agricultural Water Management</i> , 2019 , 222, 21-29	5.9	4
74	Effect of stocking density of fish on water quality and growth performance of European Carp and leafy vegetables in a low-tech aquaponic system. <i>PLoS ONE</i> , 2019 , 14, e0217561	3.7	17
73	Multi-Year N and P Removal of a 10-Year-Old Surface Flow Constructed Wetland Treating Agricultural Drainage Waters. <i>Agronomy</i> , 2019 , 9, 170	3.6	5
72	Short-term climate change effects on maize phenological phases in northeast Italy. <i>Italian Journal of Agronomy</i> , 2019 , 14, 222-229	1.4	1
71	Fertimetro, a Principle and Device to Measure Soil Nutrient Availability for Plants by Microbial Degradation Rates on Differently-Spiked Buried Threads. <i>Soil Systems</i> , 2019 , 3, 3	3.5	1
70	Bioethanol and biomethane potential production of thirteen pluri-annual herbaceous species. <i>Industrial Crops and Products</i> , 2019 , 129, 694-701	5.9	9
69	Ligneous-cellulosic, nitrophilous and wetland plants for biomass production and watertable protection against nutrient leaching. <i>European Journal of Agronomy</i> , 2018 , 96, 77-86	5	5
68	Water table management to save water and reduce nutrient losses from agricultural fields: 6 years of experience in North-Eastern Italy. <i>Agricultural Water Management</i> , 2018 , 201, 1-10	5.9	11
67	Responses of Different <i>Panicum miliaceum</i> L. Genotypes to Saline and Water Stress in a Marginal Mediterranean Environment. <i>Agronomy</i> , 2018 , 8, 8	3.6	8
66	A Tool for the Evaluation of Irrigation Water Quality in the Arid and Semi-Arid Regions. <i>Agronomy</i> , 2018 , 8, 23	3.6	30
65	Influence of salinity and osmotic stress on germination process in an old sicilian landrace and a modern cultivar of <i>Triticum Durum</i> Desf.. <i>Cereal Research Communications</i> , 2018 , 46, 253-262	1.1	5
64	Effects of mycorrhizal inoculation and digestate fertilisation on triticale biomass production using fungicide-coated seeds. <i>Irish Journal of Agricultural and Food Research</i> , 2018 , 57, 42-51	1.1	2
63	Root system characterization and water requirements of ten perennial herbaceous species for biomass production managed with high nitrogen and water inputs. <i>Agricultural Water Management</i> , 2018 , 196, 37-47	5.9	8
62	Life cycle assessment of a micro aquaponic system for educational purposes built using recovered material. <i>Journal of Cleaner Production</i> , 2018 , 172, 3119-3127	10.3	31
61	Assessing Stormwater Nutrient and Heavy Metal Plant Uptake in an Experimental Bioretention Pond. <i>Land</i> , 2018 , 7, 150	3.5	9

60	Newly-established free water-surface constructed wetland to treat agricultural waters in the low-lying Venetian plain: Performance on nitrogen and phosphorus removal. <i>Science of the Total Environment</i> , 2018 , 639, 852-859	10.2	20
59	Olive mill wastewater spreading and AMF inoculation effects in a low-input semi-arid Mediterranean crop succession. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 2060-2074	2	6
58	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
57	Chromium in Agricultural Soils and Crops: A Review. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	128
56	Crop yield and energy use in organic and conventional farming: A case study in north-east Italy. <i>European Journal of Agronomy</i> , 2017 , 86, 37-47	5	20
55	Assessing the water-purification service in an integrated agricultural wetland within the Venetian Lagoon drainage system. <i>Marine and Freshwater Research</i> , 2017 , 68, 2205	2.2	11
54	Hydroponic systems and water management in aquaponics: a review. <i>Italian Journal of Agronomy</i> , 2017 , 11,	1.4	17
53	Effects of digestate solid fraction fertilisation on yield and soil carbon dioxide emission in a horticulture succession. <i>Italian Journal of Agronomy</i> , 2017 , 11,	1.4	12
52	CO2 Emissions and Maize Biomass Production Using Digestate Liquid Fraction in Two Soil Texture Types. <i>Transactions of the ASABE</i> , 2017 , 60, 1325-1336	0.9	2
51	From a Precision Agriculture Consortium to a Dual Master's Degree in Sustainable Agriculture. <i>Advances in Animal Biosciences</i> , 2017 , 8, 738-742	0.3	
50	Short-term effects of biochar and salinity on soil greenhouse gas emissions from a semi-arid Australian soil after re-wetting. <i>Geoderma</i> , 2017 , 307, 267-276	6.7	46
49	Distillery anaerobic digestion residues: A new opportunity for sweet potato fertilization. <i>Scientia Horticulturae</i> , 2017 , 225, 38-47	4.1	5
48	Treatment performance and macrophytes growth in a restored hybrid constructed wetland for municipal wastewater treatment. <i>Ecological Engineering</i> , 2017 , 107, 160-171	3.9	23
47	Environment, agro-system and quality of food production in Italy. <i>Italian Journal of Agronomy</i> , 2017 , 11,	1.4	1
46	Vegetable Intercropping in a Small-Scale Aquaponic System. <i>Agronomy</i> , 2017 , 7, 63	3.6	12
45	Mitigation of herbicide runoff as an ecosystem service from a constructed surface flow wetland. <i>Hydrobiologia</i> , 2016 , 774, 193-202	2.4	23
44	Treatment performance and greenhouse gas emission of a pilot hybrid constructed wetland system treating digestate liquid fraction. <i>Ecological Engineering</i> , 2016 , 94, 406-417	3.9	27
43	A simplified process of swine slurry treatment by primary filtration and <i>Haematococcus pluvialis</i> culture to produce low cost astaxanthin. <i>Ecological Engineering</i> , 2016 , 90, 244-250	3.9	25

42	Vegetated Ditches for the Mitigation of Pesticides Runoff in the Po Valley. <i>PLoS ONE</i> , 2016 , 11, e0153283	3.7	21
41	Sorghum Biomass Production for Energy Purpose Using Treated Urban Wastewater and Different Fertilization in a Mediterranean Environment. <i>Agriculture (Switzerland)</i> , 2016 , 6, 67	3	9
40	Biomethanation Potential of Wetland Biomass in Codigestion with Pig Slurry. <i>Waste and Biomass Valorization</i> , 2016 , 7, 1081-1089	3.2	11
39	Temperature influence on nitrogen removal in a hybrid constructed wetland system in Northern Italy. <i>Ecological Engineering</i> , 2015 , 75, 291-302	3.9	23
38	Comparison of carbon balance in Mediterranean pilot constructed wetlands vegetated with different C4 plant species. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2372-83	5.1	29
37	Screening of 18 species for digestate phytodepuration. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2455-66	5.1	16
36	Assessment of energy potential from wetland plants along the minor channel network on an agricultural floodplain. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2479-90	5.1	9
35	Effect of injection depth of digestate liquid fraction on soil carbon dioxide emission and maize biomass production. <i>Italian Journal of Agronomy</i> , 2015 , 10, 6	1.4	12
34	Performance of a wall cascade constructed wetland treating surfactant-polluted water. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 12816-28	5.1	19
33	Carbon dioxide emissions from horizontal sub-surface constructed wetlands in the Mediterranean Basin. <i>Ecological Engineering</i> , 2014 , 64, 57-61	3.9	19
32	Energy characterisation of herbaceous biomasses irrigated with marginal waters. <i>Biomass and Bioenergy</i> , 2014 , 70, 392-399	5.3	20
31	Biomass production and soil organic carbon accumulation in a free water surface constructed wetland treating agricultural wastewater in North Eastern Italy. <i>Ecological Engineering</i> , 2014 , 70, 422-428	3.9	18
30	Assessing reference evapotranspiration by the Hargreaves method in north-eastern Italy. <i>Agricultural Water Management</i> , 2014 , 140, 20-25	5.9	96
29	Role of C3 plant species on carbon dioxide and methane emissions in Mediterranean constructed wetland. <i>Italian Journal of Agronomy</i> , 2014 , 9, 120	1.4	22
28	Biomass production and N balance of giant reed (<i>Arundo donax</i> L.) under high water and N input in Mediterranean environments. <i>European Journal of Agronomy</i> , 2013 , 51, 117-119	5	48
27	Tech-IA floating system introduced in urban wastewater treatment plants in the Veneto region - Italy. <i>Water Science and Technology</i> , 2013 , 68, 1144-50	2.2	23
26	Performance of two small subsurface flow constructed wetlands treating domestic wastewaters in Italy. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 1085-95	2.6	19
25	Performance of a hybrid constructed wetland treating piggery wastewater. <i>Ecological Engineering</i> , 2013 , 51, 229-236	3.9	56

24	Effects of five macrophytes on nitrogen remediation and mass balance in wetland mesocosms. <i>Ecological Engineering</i> , 2012 , 46, 34-42	3.9	54
23	Wetland plants, micro-organisms and enzymatic activities interrelations in treating N polluted water. <i>Ecological Engineering</i> , 2012 , 47, 36-43	3.9	27
22	Evaluation of <i>Phragmites australis</i> (Cav.) Trin. evapotranspiration in Northern and Southern Italy. <i>Ecological Engineering</i> , 2011 , 37, 721-728	3.9	77
21	Modelling assessment of carbon supply by different macrophytes for nitrogen removal in pilot vegetated mesocosms. <i>International Journal of Environmental Analytical Chemistry</i> , 2011 , 91, 708-726	1.8	4
20	Comparison of nitrogen elimination rates of different constructed wetland designs. <i>Water Science and Technology</i> , 2011 , 64, 1122-9	2.2	22
19	Efficiency of controlled drainage and subirrigation in reducing nitrogen losses from agricultural fields. <i>Agricultural Water Management</i> , 2010 , 98, 343-352	5.9	37
18	Multiple functions of buffer strips in farming areas. <i>European Journal of Agronomy</i> , 2010 , 32, 103-111	5	93
17	Effect of different macrophytes in abating nitrogen from a synthetic wastewater. <i>Ecological Engineering</i> , 2010 , 36, 1222-1231	3.9	18
16	Medium-term evolution of soil properties in a constructed surface flow wetland with fluctuating hydroperiod in North Eastern Italy. <i>Desalination</i> , 2009 , 246, 215-225	10.3	9
15	Multi-functional pollution mitigation in a rehabilitated mangrove conservation area. <i>Ecological Engineering</i> , 2009 , 35, 898-907	3.9	27
14	Five year water and nitrogen balance for a constructed surface flow wetland treating agricultural drainage waters. <i>Science of the Total Environment</i> , 2007 , 380, 38-47	10.2	72
13	Effectiveness of buffer strips in removing pollutants in runoff from a cultivated field in North-East Italy. <i>Agriculture, Ecosystems and Environment</i> , 2005 , 105, 101-114	5.7	120
12	An integrated non-point source model-GIS system for selecting criteria of best management practices in the Po Valley, North Italy. <i>Agriculture, Ecosystems and Environment</i> , 2004 , 102, 247-262	5.7	37
11	Performance of a narrow buffer strip in abating agricultural pollutants in the shallow subsurface water flux. <i>Environmental Pollution</i> , 2004 , 131, 313-21	9.3	35
10	Abatement of NO ₃ -N concentration in agricultural waters by narrow buffer strips. <i>Environmental Pollution</i> , 2002 , 117, 165-8	9.3	48
9	Controlled drainage and wetlands to reduce agricultural pollution: a lysimetric study. <i>Journal of Environmental Quality</i> , 2001 , 30, 1330-40	3.4	40
8	A constructed surface flow wetland for treating agricultural waste waters. <i>Water Science and Technology</i> , 2001 , 44, 523-30	2.2	3
7	Analysis of DRAINMOD performances with different detail of soil input data in the Veneto region of Italy. <i>Agricultural Water Management</i> , 2000 , 42, 259-272	5.9	25

6	Effects of four cultivation systems for maize on nitrogen leaching 1. Field experiment. <i>European Journal of Agronomy</i> , 1997 , 6, 101-112	5	13
5	Ecological interpretation of weed flora dynamics under different tillage systems. <i>Agriculture, Ecosystems and Environment</i> , 1997 , 66, 177-188	5.7	90
4	Pipe drainage in the Eastern Padano-Veneta plain in north-east Italy. <i>Irrigation and Drainage Systems</i> , 1997 , 11, 61-81		5
3	Barley, Soybean and Maize Production using Ridge Tillage, No-Tillage and Conventional Tillage in North-East Italy. <i>Biosystems Engineering</i> , 1995 , 62, 229-236		14
2	Simulation of herbicide contamination of the aquifer north of Vicenza (North-East Italy). <i>Chemosphere</i> , 1993 , 26, 929-940	8.4	8
1	Testing and statistical analysis of the performance of a pipe drainage system: A case study in north-eastern Italy. <i>Irrigation and Drainage Systems</i> , 1991 , 5, 165-182		3