

Elisa Soana

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

946
citations

430442

18
h-index

454577

30
g-index

38
all docs

38
docs citations

38
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of hydrological connectivity of riverine wetlands on nitrogen removal via denitrification. <i>Biogeochemistry</i> , 2011, 103, 335-354.	1.7	97
2	Space and time variations of watershed N and P budgets and their relationships with reactive N and P loadings in a heavily impacted river basin (Po river, Northern Italy). <i>Science of the Total Environment</i> , 2018, 639, 1574-1587.	3.9	82
3	Nitrogen balance and fate in a heavily impacted watershed (Oglio River, Northern Italy): in quest of the missing sources and sinks. <i>Biogeosciences</i> , 2012, 9, 361-373.	1.3	68
4	Vegetated canals mitigate nitrogen surplus in agricultural watersheds. <i>Agriculture, Ecosystems and Environment</i> , 2015, 212, 253-262.	2.5	57
5	Mitigation of nitrogen pollution in vegetated ditches fed by nitrate-rich spring waters. <i>Agriculture, Ecosystems and Environment</i> , 2017, 243, 74-82.	2.5	55
6	Soil Budget, Net Export, and Potential Sinks of Nitrogen in the Lower Oglio River Watershed (Northern Italy). <i>Clean - Soil, Air, Water</i> , 2011, 39, 956-965.	0.7	43
7	Nitrogen Budget in a Lowland Coastal Area Within the Po River Basin (Northern Italy): Multiple Evidences of Equilibrium Between Sources and Internal Sinks. <i>Environmental Management</i> , 2013, 52, 567-580.	1.2	43
8	Seasonal variation of radial oxygen loss in <i>Vallisneria spiralis</i> L.: An adaptive response to sediment redox?. <i>Aquatic Botany</i> , 2013, 104, 228-232.	0.8	35
9	Nitrogen uptake and coupled nitrification–denitrification in riverine sediments with benthic microalgae and rooted macrophytes. <i>Aquatic Sciences</i> , 2017, 79, 487-505.	0.6	35
10	Seasonal regulation of nitrification in a rooted macrophyte (<i>Vallisneria spiralis</i> L.) meadow under eutrophic conditions. <i>Aquatic Ecology</i> , 2014, 48, 11-21.	0.7	34
11	Effects of increasing organic matter loads on pore water features of vegetated (<i>Vallisneria spiralis</i> L.) and plant-free sediments. <i>Ecological Engineering</i> , 2012, 47, 141-145.	1.6	33
12	Benthic nitrogen metabolism in a macrophyte meadow (<i>Vallisneria spiralis</i> L.) under increasing sedimentary organic matter loads. <i>Biogeochemistry</i> , 2015, 124, 387-404.	1.7	33
13	An ounce of prevention is worth a pound of cure: Managing macrophytes for nitrate mitigation in irrigated agricultural watersheds. <i>Science of the Total Environment</i> , 2019, 647, 301-312.	3.9	32
14	Antropogenic input of nitrogen and riverine export from a Mediterranean catchment. The Celone, a temporary river case study. <i>Agricultural Water Management</i> , 2017, 187, 190-199.	2.4	29
15	Reactive nitrogen losses via denitrification assessed in saturated agricultural soils. <i>Geoderma</i> , 2019, 337, 91-98.	2.3	29
16	To mow or not to mow: reed biofilms as denitrification hotspots in drainage canals. <i>Ecological Engineering</i> , 2018, 113, 1-10.	1.6	28
17	The role of species introduction in modifying the functional diversity of native communities. <i>Science of the Total Environment</i> , 2020, 699, 134364.	3.9	24
18	Is Flood Irrigation a Potential Driver of River-Groundwater Interactions and Diffuse Nitrate Pollution in Agricultural Watersheds?. <i>Water (Switzerland)</i> , 2019, 11, 2304.	1.2	21

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19	Eutrophication of the Mediterranean Sea: a watershed‐cascading aquatic filter approach. <i>Rendiconti Lincei</i> , 2015, 26, 13-23.	1.0	19
20	The effect of water velocity on nitrate removal in vegetated waterways. <i>Journal of Environmental Management</i> , 2018, 215, 230-238.	3.8	19
21	Growth performance of <i>Vallisneria spiralis</i> under oligotrophic conditions supports its potential invasiveness in mid‐elevation freshwaters. <i>Weed Research</i> , 2015, 55, 185-194.	0.8	17
22	Intense rainfalls trigger nitrite leaching in agricultural soils depleted in organic matter. <i>Science of the Total Environment</i> , 2019, 665, 80-90.	3.9	16
23	Soil system budgets of N, Si and P in an agricultural irrigated watershed: surplus, differential export and underlying mechanisms. <i>Biogeochemistry</i> , 2018, 140, 175-197.	1.7	11
24	Governance and groundwater modelling: Hints to boost the implementation of the EU Nitrate Directive. The Lombardy Plain case, N Italy. <i>Science of the Total Environment</i> , 2021, 782, 146800.	3.9	11
25	Upscaling nitrogen removal processes in fluvial wetlands and irrigation canals in a patchy agricultural watershed. <i>Wetlands Ecology and Management</i> , 2020, 28, 297-313.	0.7	10
26	Habitat morphology and connectivity better predict hydrophyte and wetland plant richness than land-use intensity in overexploited watersheds: evidence from the Po plain (northern Italy). <i>Landscape Ecology</i> , 2020, 35, 1827-1839.	1.9	10
27	In Search for the Missing Nitrogen: Closing the Budget to Assess the Role of Denitrification in Agricultural Watersheds. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2136.	1.3	9
28	Could a freshwater fish be at the root of dystrophic crises in a coastal lagoon?. <i>Science of the Total Environment</i> , 2020, 711, 135093.	3.9	8
29	Nitrate availability affects denitrification in <i>Phragmites australis</i> sediments. <i>Journal of Environmental Quality</i> , 2020, 49, 194-209.	1.0	8
30	Natural and anthropogenic factors drive large-scale freshwater fish invasions. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
31	Estimate of gas transfer velocity in the presence of emergent vegetation using argon as a tracer: Implications for whole-system denitrification measurements. <i>Chemosphere</i> , 2018, 213, 526-532.	4.2	4
32	Managing the environment in a pinch: red swamp crayfish tells a cautionary tale of ecosystem based management in northeastern Italy. <i>Ecological Engineering</i> , 2018, 120, 546-553.	1.6	4
33	Effect of ebullition and groundwater temperature on estimated dinitrogen excess in contrasting agricultural environments. <i>Science of the Total Environment</i> , 2019, 693, 133638.	3.9	4
34	The achievement of Water Framework Directive goals through the restoration of vegetation in agricultural canals. <i>Journal of Environmental Management</i> , 2021, 294, 113016.	3.8	4
35	An Underestimated Contribution of Deltaic Denitrification in Reducing Nitrate Export to the Coastal Zone (Po River‐Adriatic Sea, Northern Italy). <i>Water (Switzerland)</i> , 2022, 14, 501.	1.2	4
36	Introducing Life Cycle Assessment in Costs and Benefits Analysis of Vegetation Management in Drainage Canals of Lowland Agricultural Landscapes. <i>Water (Switzerland)</i> , 2020, 12, 2236.	1.2	2

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37	Squaring the cycle: the integration of Groundwater processes in nutrient budgets for a basin-oriented remediation Strategy. Rendiconti Online Societa Geologica Italiana, 0, 47, 73-78.	0.3	2
38	Soil Denitrification, the Missing Piece in the Puzzle of Nitrogen Budget in Lowland Agricultural Basins. Ecosystems, 0, , 1.	1.6	0