Enrico Bonari

List of Publications by Year
in descending order

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66 papers	2,720 citations	201674 27 h-index	182427 51 g-index
66 all docs	66 docs citations	66 times ranked	3562 citing authors

#	Article	IF	Citations
1	Tomato productivity and soil greenhouse gas emissions under reduced water and N fertilizers in a Mediterranean environment. Agriculture, Ecosystems and Environment, 2022, 326, 107819.	5.3	7
2	Competition for Light Affects Alfalfa Biomass Production More Than Its Nutritive Value in an Olive-Based Alley-Cropping System. Forests, 2021, 12, 233.	2.1	10
3	Soil N2O emissions in Mediterranean arable crops as affected by reduced tillage and N rate. Nutrient Cycling in Agroecosystems, 2020, 116, 117-133.	2.2	3
4	Comparison among Different Rewetting Strategies of Degraded Agricultural Peaty Soils: Short-Term Effects on Chemical Properties and Ecoenzymatic Activities. Agronomy, 2020, 10, 1084.	3.0	5
5	Agri-urban patterns in Mediterranean urban regions: the case study of Pisa. Journal of Land Use Science, 2020, 15, 721-739.	2.2	5
6	The overseeding of two cool-season legumes (Hedysarum coronarium L. and Trifolium incarnatum L.) on switchgrass (Panicum virgatum L.) mature stands increased biomass productivity. Italian Journal of Agronomy, 2020, 15, 20-28.	1.0	2
7	Recolonisation by Spontaneous Vegetation of a Rewetted Peatland after Topsoil Removal: a Focus on Biomass Production and Nutrient Uptake. Wetlands, 2019, 39, 1079-1087.	1.5	6
8	Monitoring of greenhouse gases from soil during two cropping seasons of maize in a Mediterranean environment.. , 2019, , .		0
9	Unraveling the contribution of periurban farming systems to urban food security in developed countries. Agronomy for Sustainable Development, 2018, 38, 1.	5.3	24
10	Minimum tillage mitigated soil N2O emissions and maximized crop yield in faba bean in a Mediterranean environment. Soil and Tillage Research, 2018, 178, 11-21.	5.6	14
11	Rewetting in Mediterranean reclaimed peaty soils and its potential for phyto-treatment use. Journal of Environmental Management, 2018, 208, 92-101.	7.8	10
12	Nitrous oxide mitigation potential of reduced tillage and N input in durum wheat in the Mediterranean. Nutrient Cycling in Agroecosystems, 2018, 111, 189-201.	2.2	6
13	Growth and nutrient uptake of perennial crops in a paludicultural approach in a drained Mediterranean peatland. Ecological Engineering, 2017, 103, 478-487.	3.6	25
14	Effect of Harvest Time and Frequency on Biomass Quality and Biomethane Potential of Common Reed (Phragmites australis) Under Paludiculture Conditions. Bioenergy Research, 2017, 10, 1066-1078.	3.9	28
15	Improving the management of mineral fertilizers for nitrous oxide mitigation: The effect of nitrogen fertilizer type, urease and nitrification inhibitors in two different textured soils. Geoderma, 2017, 307, 181-188.	5.1	53
16	Nitrous oxide emissions from clover in the Mediterranean environment. Italian Journal of Agronomy, 2016, 11, 133-136.	1.0	4
17	A multi-adaptive framework for the crop choice in paludicultural cropping systems. Italian Journal of Agronomy, 2016, 11, .	1.0	2
18	Alfalfa (Medicago sativa L.) overseeding on mature switchgrass (Panicum virgatum L.) stand: biomass yield and nutritive value after the establishment year. Italian Journal of Agronomy, 2016, 11, 143-148.	1.0	5

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19	Is the choice of a farmÃ¢â‚¬â„¢s commercial market an indicator of agricultural intensity? Conventional and short food supply chains in periurban farming systems. Italian Journal of Agronomy, 2016, 11, 1-5.	1.0	17
20	Agroindustrial residues and energy crops for the production of hydrogen and poly-Î²-hydroxybutyrate via photofermentation. Bioresource Technology, 2016, 216, 941-947.	9.6	28
21	Energy conversion of biomass crops and agroindustrial residues by combined biohydrogen/biomethane system and anaerobic digestion. Bioresource Technology, 2016, 211, 509-518.	9.6	45
22	Soil carbon and nitrogen changes after 28 years of no-tillage management under Mediterranean conditions. European Journal of Agronomy, 2016, 77, 156-165.	4.1	72
23	Environmental performances of giant reed (Arundo donax L.) cultivated in fertile and marginal lands: A case study in the Mediterranean. European Journal of Agronomy, 2016, 78, 20-31.	4.1	34
24	Combustibility of biomass from perennial crops cultivated on a rewetted Mediterranean peatland. Ecological Engineering, 2016, 97, 157-169.	3.6	14
25	Phylogenetic and multivariate analyses to determine the effect of agricultural land-use intensification and soil physico-chemical properties on N-cycling microbial communities in drained Mediterranean peaty soils. Biology and Fertility of Soils, 2016, 52, 811-824.	4.3	24
26	Exploring the potential of perennial crops in reducing soil erosion: A GIS-based scenario analysis in southern Tuscany, Italy. Applied Geography, 2016, 66, 119-131.	3.7	19
27	Nutrient Concentrations and Uptakes in Giant Reed (Arundo donax L.) as Affected by Harvest Time and Frequency. Bioenergy Research, 2016, 9, 671-681.	3.9	5
28	Evapotranspiration, crop coefficient and water use efficiency of giant reed (Arundo donax L.) and miscanthus (MiscanthusÂÃ—Âgiganteus Greef et Deu.) in a Mediterranean environment.. GCB Bioenergy, 2015, 7, 811-819.	5.6	46
29	Influence of soil texture and crop management on the productivity of miscanthus (Miscanthus) Tj ETQq1 1 0.784314 rgBT /Ov	5.6	23
30	MiscanthusÂÃ—Âgiganteus nutrient concentrations and uptakes in autumn and winter harvests as influenced by soil texture, irrigation and nitrogen fertilization in the Mediterranean. GCB Bioenergy, 2015, 7, 1009-1018.	5.6	26
31	Indicators of agricultural intensity and intensification: a review of the literature. Italian Journal of Agronomy, 2015, 10, 74-84.	1.0	32
32	LIFE+IPNOA mobile prototype for the monitoring of soil N2O emissions from arable crops: first-year results on durum wheat. Italian Journal of Agronomy, 2015, 10, 124.	1.0	7
33	Hydrothermal Conversion of Giant Reed to Furfural and Levulinic Acid: Optimization of the Process under Microwave Irradiation and Investigation of Distinctive Agronomic Parameters. Molecules, 2015, 20, 21232-21253.	3.8	51
34	Giant reed (Arundo donax L.) for biogas production: land use saving and nitrogen utilisation efficiency compared with arable crops. Italian Journal of Agronomy, 2015, 10, 192-201.	1.0	23
35	Preliminary investigation on the potential use of two C4 turfgrass species to reduce nutrient release in a Mediterranean drained peatland. Environmental Science and Pollution Research, 2015, 22, 2396-2405.	5.3	8
36	Land-use intensity and soil properties shape the composition of fungal communities in Mediterranean peaty soils drained for agricultural purposes. Biology and Fertility of Soils, 2015, 51, 719-731.	4.3	28

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37	Aboveground Yield and Biomass Quality of Giant Reed (Arundo donax L.) as Affected by Harvest Time and Frequency. Bioenergy Research, 2015, 8, 1321-1331.	3.9	31
38	Responses of wheat to arbuscular mycorrhizal fungi: A meta-analysis of field studies from 1975 to 2013. Soil Biology and Biochemistry, 2015, 84, 210-217.	8.8	195
39	Temporal trends in extreme rainfall intensity and erosivity in the Mediterranean region: a case study in southern Tuscany, Italy. Climatic Change, 2015, 128, 139-151.	3.6	58
40	Agricultural abandonment in Mediterranean reclaimed peaty soils: long-term effects on soil chemical properties, arbuscular mycorrhizas and CO2 flux. Agriculture, Ecosystems and Environment, 2015, 199, 164-175.	5.3	34
41	Assessing food production capacity of farms in periurban areas. Italian Journal of Agronomy, 2014, 9, 63.	1.0	16
42	Double row spacing and drip irrigation as technical options in energy sorghum management. Italian Journal of Agronomy, 2014, 9, 25.	1.0	4
43	Suitability of giant reed (Arundo donax L.) for anaerobic digestion: Effect of harvest time and frequency on the biomethane yield potential. Bioresource Technology, 2014, 152, 107-115.	9.6	84
44	Assessing the Potential of Farming Regions to Fulfill Agro-Environmental Functions: A Case Study in Tuscany (Italy). Environmental Management, 2013, 51, 759-776.	2.7	3
45	Short- and long-term effects of olive mill wastewater land spreading on soil chemical and biological properties. Soil Biology and Biochemistry, 2013, 56, 21-30.	8.8	89
46	From giant reed to levulinic acid and gamma-valerolactone: A high yield catalytic route to valeric biofuels. Applied Energy, 2013, 102, 157-162.	10.1	127
47	Sustainability of agriculture in Mediterranean periurban areas: Issues and agriurban projects in the Pisan region (Tuscany, Italy). Cahiers Agricultures, 2013, 22, 517-525.	0.9	13
48	Establishment, persistence and effectiveness of arbuscular mycorrhizal fungal inoculants in the field revealed using molecular genetic tracing and measurement of yield components. New Phytologist, 2012, 194, 810-822.	7.3	109
49	Landscape agronomy: a new field for addressing agricultural landscape dynamics. Landscape Ecology, 2012, 27, 1385-1394.	4.2	102
50	Factors affecting soil organic matter conservation in Mediterranean hillside winter cereals-legumes cropping systems. Italian Journal of Agronomy, 2012, 7, 38.	1.0	8
51	Py-GC/MS characterization of a wild and a selected clone of Arundo donax, and of its residues after catalytic hydrothermal conversion to high added-value products. Journal of Analytical and Applied Pyrolysis, 2012, 94, 223-229.	5.5	25
52	Productivity of giant reed (Arundo donax L.) and miscanthus (Miscanthus x giganteus Greef et Deuter) as energy crops: growth analysis. Italian Journal of Agronomy, 2011, 6, 22.	1.0	19
53	Seasonal nutrient dynamics and biomass quality of giant reed (Arundo donax L.) and miscanthus (Miscanthus x giganteus Greef et Deuter) as energy crops. Italian Journal of Agronomy, 2011, 6, 24.	1.0	25
54	Changes in soil quality following poplar short-rotation forestry under different cutting cycles. Italian Journal of Agronomy, 2011, 6, 6.	1.0	12

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55	Field inoculation effectiveness of native and exotic arbuscular mycorrhizal fungi in a Mediterranean agricultural soil. Soil Biology and Biochemistry, 2011, 43, 367-376.	8.8	107
56	Impact on soil quality of a 10-year-old short-rotation coppice poplar stand compared with intensive agricultural and uncultivated systems in a Mediterranean area. Agriculture, Ecosystems and Environment, 2011, 140, 245-254.	5.3	54
57	Characterisation of Agri-Landscape Systems at a Regional Level: A Case Study in Northern Tuscany. Italian Journal of Agronomy, 2010, 5, 285.	1.0	9
58	Long-term evaluation of biomass production and quality of two cardoon (Cynara cardunculus L.) cultivars for energy use. Biomass and Bioenergy, 2009, 33, 810-816.	5.7	105
59	Comparison of Arundo donax L. and Miscanthus x giganteus in a long-term field experiment in Central Italy: Analysis of productive characteristics and energy balance. Biomass and Bioenergy, 2009, 33, 635-643.	5.7	367
60	Estimation of chemical traits in poplar short-rotation coppice at stand level. Biomass and Bioenergy, 2009, 33, 1703-1709.	5.7	40
61	Water requirements of poplar and willow vegetation filters grown in lysimeter under Mediterranean conditions: Results of the second rotation. Desalination, 2009, 246, 137-146.	8.2	23
62	Bark content estimation in poplar (Populus deltoides L.) short-rotation coppice in Central Italy. Biomass and Bioenergy, 2008, 32, 518-524.	5.7	50
63	Evapotranspiration and crop coefficient of poplar and willow short-rotation coppice used as vegetation filter. Bioresource Technology, 2008, 99, 4832-4840.	9.6	100
64	Rainfed Wheat and Soybean Productivity in a Long-Term Tillage Experiment in Central Italy. Agronomy Journal, 2008, 100, 1418-1429.	1.8	48
65	Terraced landscapes characterization. Developing a methodology to map and analyze the agricultural management impacts (Monte Pisano, Italy)e. Revue Internationale De GÃ©omatique, 2007, 17, 431-447.	0.1	6
66	Functional diversity of arbuscular mycorrhizal fungal isolates in relation to extraradical mycelial networks. New Phytologist, 2006, 172, 347-357.	7.3	146