

Enrico Bonari

List of Publications by Year in descending order

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Version: 2024-02-01

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	Comparison of <i>Arundo donax</i> L. and <i>Miscanthus x giganteus</i> in a long-term field experiment in Central Italy: Analysis of productive characteristics and energy balance. <i>Biomass and Bioenergy</i> , 2009, 33, 635-643.	5.7	367
2	Responses of wheat to arbuscular mycorrhizal fungi: A meta-analysis of field studies from 1975 to 2013. <i>Soil Biology and Biochemistry</i> , 2015, 84, 210-217.	8.8	195
3	Functional diversity of arbuscular mycorrhizal fungal isolates in relation to extraradical mycelial networks. <i>New Phytologist</i> , 2006, 172, 347-357.	7.3	146
4	From giant reed to levulinic acid and gamma-valerolactone: A high yield catalytic route to valeric biofuels. <i>Applied Energy</i> , 2013, 102, 157-162.	10.1	127
5	Establishment, persistence and effectiveness of arbuscular mycorrhizal fungal inoculants in the field revealed using molecular genetic tracing and measurement of yield components. <i>New Phytologist</i> , 2012, 194, 810-822.	7.3	109
6	Field inoculation effectiveness of native and exotic arbuscular mycorrhizal fungi in a Mediterranean agricultural soil. <i>Soil Biology and Biochemistry</i> , 2011, 43, 367-376.	8.8	107
7	Long-term evaluation of biomass production and quality of two cardoon (<i>Cynara cardunculus</i> L.) cultivars for energy use. <i>Biomass and Bioenergy</i> , 2009, 33, 810-816.	5.7	105
8	Landscape agronomy: a new field for addressing agricultural landscape dynamics. <i>Landscape Ecology</i> , 2012, 27, 1385-1394.	4.2	102
9	Evapotranspiration and crop coefficient of poplar and willow short-rotation coppice used as vegetation filter. <i>Bioresource Technology</i> , 2008, 99, 4832-4840.	9.6	100
10	Short- and long-term effects of olive mill wastewater land spreading on soil chemical and biological properties. <i>Soil Biology and Biochemistry</i> , 2013, 56, 21-30.	8.8	89
11	Suitability of giant reed (<i>Arundo donax</i> L.) for anaerobic digestion: Effect of harvest time and frequency on the biomethane yield potential. <i>Bioresource Technology</i> , 2014, 152, 107-115.	9.6	84
12	Soil carbon and nitrogen changes after 28 years of no-tillage management under Mediterranean conditions. <i>European Journal of Agronomy</i> , 2016, 77, 156-165.	4.1	72
13	Temporal trends in extreme rainfall intensity and erosivity in the Mediterranean region: a case study in southern Tuscany, Italy. <i>Climatic Change</i> , 2015, 128, 139-151.	3.6	58
14	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. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 245-254.	5.3	54
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. <i>Geoderma</i> , 2017, 307, 181-188.	5.1	53
16	Hydrothermal Conversion of Giant Reed to Furfural and Levulinic Acid: Optimization of the Process under Microwave Irradiation and Investigation of Distinctive Agronomic Parameters. <i>Molecules</i> , 2015, 20, 21232-21253.	3.8	51
17	Bark content estimation in poplar (<i>Populus deltoides</i> L.) short-rotation coppice in Central Italy. <i>Biomass and Bioenergy</i> , 2008, 32, 518-524.	5.7	50
18	Rainfed Wheat and Soybean Productivity in a Long-Term Tillage Experiment in Central Italy. <i>Agronomy Journal</i> , 2008, 100, 1418-1429.	1.8	48

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19	Evapotranspiration, crop coefficient and water use efficiency of giant reed (<i>Arundo donax</i> L.) and miscanthus (<i>Miscanthus</i> — <i>giganteus</i> Greef et Deu.) in a Mediterranean environment.. GCB Bioenergy, 2015, 7, 811-819.	5.6	46
20	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
21	Estimation of chemical traits in poplar short-rotation coppice at stand level. Biomass and Bioenergy, 2009, 33, 1703-1709.	5.7	40
22	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
23	Environmental performances of giant reed (<i>Arundo donax</i> 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	Indicators of agricultural intensity and intensification: a review of the literature. Italian Journal of Agronomy, 2015, 10, 74-84.	1.0	32
25	Aboveground Yield and Biomass Quality of Giant Reed (<i>Arundo donax</i> L.) as Affected by Harvest Time and Frequency. Bioenergy Research, 2015, 8, 1321-1331.	3.9	31
26	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
27	Agroindustrial residues and energy crops for the production of hydrogen and poly- γ -hydroxybutyrate via photofermentation. Bioresource Technology, 2016, 216, 941-947.	9.6	28
28	Effect of Harvest Time and Frequency on Biomass Quality and Biomethane Potential of Common Reed (<i>Phragmites australis</i>) Under Paludiculture Conditions. Bioenergy Research, 2017, 10, 1066-1078.	3.9	28
29	<i>Miscanthus</i> — <i>giganteus</i> 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
30	Seasonal nutrient dynamics and biomass quality of giant reed (<i>Arundo donax</i> L.) and miscanthus (<i>Miscanthus x giganteus</i> Greef et Deuter) as energy crops. Italian Journal of Agronomy, 2011, 6, 24.	1.0	25
31	Py-GC/MS characterization of a wild and a selected clone of <i>Arundo donax</i> , 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
32	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
33	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
34	Unraveling the contribution of periurban farming systems to urban food security in developed countries. Agronomy for Sustainable Development, 2018, 38, 1.	5.3	24
35	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
36	Influence of soil texture and crop management on the productivity of miscanthus (<i>Miscanthus</i>) Tj ETQq0 0 QrgBT /Overlock 10 T	5.6	23

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37	Giant reed (<i>Arundo donax</i> L.) for biogas production: land use saving and nitrogen utilisation efficiency compared with arable crops. <i>Italian Journal of Agronomy</i> , 2015, 10, 192-201.	1.0	23
38	Productivity of giant reed (<i>Arundo donax</i> L.) and miscanthus (<i>Miscanthus x giganteus</i> Greef et Deuter) as energy crops: growth analysis. <i>Italian Journal of Agronomy</i> , 2011, 6, 22.	1.0	19
39	Exploring the potential of perennial crops in reducing soil erosion: A GIS-based scenario analysis in southern Tuscany, Italy. <i>Applied Geography</i> , 2016, 66, 119-131.	3.7	19
40	Is the choice of a farm's commercial market an indicator of agricultural intensity? Conventional and short food supply chains in periurban farming systems. <i>Italian Journal of Agronomy</i> , 2016, 11, 1-5.	1.0	17
41	Assessing food production capacity of farms in periurban areas. <i>Italian Journal of Agronomy</i> , 2014, 9, 63.	1.0	16
42	Combustibility of biomass from perennial crops cultivated on a rewetted Mediterranean peatland. <i>Ecological Engineering</i> , 2016, 97, 157-169.	3.6	14
43	Minimum tillage mitigated soil N ₂ O emissions and maximized crop yield in faba bean in a Mediterranean environment. <i>Soil and Tillage Research</i> , 2018, 178, 11-21.	5.6	14
44	Sustainability of agriculture in Mediterranean periurban areas: Issues and agriurban projects in the Pisan region (Tuscany, Italy). <i>Cahiers Agricultures</i> , 2013, 22, 517-525.	0.9	13
45	Changes in soil quality following poplar short-rotation forestry under different cutting cycles. <i>Italian Journal of Agronomy</i> , 2011, 6, 6.	1.0	12
46	Rewetting in Mediterranean reclaimed peaty soils and its potential for phyto-treatment use. <i>Journal of Environmental Management</i> , 2018, 208, 92-101.	7.8	10
47	Competition for Light Affects Alfalfa Biomass Production More Than Its Nutritive Value in an Olive-Based Alley-Cropping System. <i>Forests</i> , 2021, 12, 233.	2.1	10
48	Characterisation of Agri-Landscape Systems at a Regional Level: A Case Study in Northern Tuscany. <i>Italian Journal of Agronomy</i> , 2010, 5, 285.	1.0	9
49	Factors affecting soil organic matter conservation in Mediterranean hillside winter cereals-legumes cropping systems. <i>Italian Journal of Agronomy</i> , 2012, 7, 38.	1.0	8
50	Preliminary investigation on the potential use of two C4 turfgrass species to reduce nutrient release in a Mediterranean drained peatland. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2396-2405.	5.3	8
51	LIFE+IPNOA mobile prototype for the monitoring of soil N ₂ O emissions from arable crops: first-year results on durum wheat. <i>Italian Journal of Agronomy</i> , 2015, 10, 124.	1.0	7
52	Tomato productivity and soil greenhouse gas emissions under reduced water and N fertilizers in a Mediterranean environment. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107819.	5.3	7
53	Nitrous oxide mitigation potential of reduced tillage and N input in durum wheat in the Mediterranean. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 111, 189-201.	2.2	6
54	Recolonisation by Spontaneous Vegetation of a Rewetted Peatland after Topsoil Removal: a Focus on Biomass Production and Nutrient Uptake. <i>Wetlands</i> , 2019, 39, 1079-1087.	1.5	6

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55	Terraced landscapes characterization. Developing a methodology to map and analyze the agricultural management impacts (Monte Pisano, Italy)e. <i>Revue Internationale De Géomatique</i> , 2007, 17, 431-447.	0.1	6
56	Alfalfa (<i>Medicago sativa</i> L.) overseeding on mature switchgrass (<i>Panicum virgatum</i> L.) stand: biomass yield and nutritive value after the establishment year. <i>Italian Journal of Agronomy</i> , 2016, 11, 143-148.	1.0	5
57	Nutrient Concentrations and Uptakes in Giant Reed (<i>Arundo donax</i> L.) as Affected by Harvest Time and Frequency. <i>Bioenergy Research</i> , 2016, 9, 671-681.	3.9	5
58	Comparison among Different Rewetting Strategies of Degraded Agricultural Peaty Soils: Short-Term Effects on Chemical Properties and Coenzymatic Activities. <i>Agronomy</i> , 2020, 10, 1084.	3.0	5
59	Agri-urban patterns in Mediterranean urban regions: the case study of Pisa. <i>Journal of Land Use Science</i> , 2020, 15, 721-739.	2.2	5
60	Double row spacing and drip irrigation as technical options in energy sorghum management. <i>Italian Journal of Agronomy</i> , 2014, 9, 25.	1.0	4
61	Nitrous oxide emissions from clover in the Mediterranean environment. <i>Italian Journal of Agronomy</i> , 2016, 11, 133-136.	1.0	4
62	Assessing the Potential of Farming Regions to Fulfill Agro-Environmental Functions: A Case Study in Tuscany (Italy). <i>Environmental Management</i> , 2013, 51, 759-776.	2.7	3
63	Soil N ₂ O emissions in Mediterranean arable crops as affected by reduced tillage and N rate. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 117-133.	2.2	3
64	A multi-adaptive framework for the crop choice in paludicultural cropping systems. <i>Italian Journal of Agronomy</i> , 2016, 11, .	1.0	2
65	The overseeding of two cool-season legumes (<i>Hedysarum coronarium</i> L. and <i>Trifolium incarnatum</i> L.) on switchgrass (<i>Panicum virgatum</i> L.) mature stands increased biomass productivity. <i>Italian Journal of Agronomy</i> , 2020, 15, 20-28.	1.0	2
66	Monitoring of greenhouse gases from soil during two cropping seasons of maize in a Mediterranean environment.. , 2019, , .		0