Andrea Monti

List of Publications by Year
in descending order

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94	4,067	136950	123424
papers	citations	32 h-index	61 g-index

97	97	97	4491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Untargeted metabolomic analyses reveal the diversity and plasticity of the specialized metabolome in seeds of different Camelina sativa genotypes. Plant Journal, 2022, 110, 147-165.	5.7	9
2	The effects of integrated food and bioenergy cropping systems on crop yields, soil health, and biomass quality: The EU and Brazilian experience. GCB Bioenergy, 2022, 14, 522-538.	5.6	6
3	Is switchgrass good for carbon savings? Longâ€term results in marginal land. GCB Bioenergy, 2022, 14, 814-823.	5.6	6
4	Camelina [Camelina sativa (L.) Crantz] seeds as a multi-purpose feedstock for bio-based applications. Industrial Crops and Products, 2022, 182, 114944.	5.2	9
5	Social considerations for the cultivation of industrial crops onÂmarginal agricultural land as feedstock forÂbioeconomy. Biofuels, Bioproducts and Biorefining, 2022, 16, 1319-1341.	3.7	4
6	Safflower (Carthamus tinctorius L.) a winter multipurpose oilseed crop for the Mediterranean region: Lesson learnt from on-farm trials. Industrial Crops and Products, 2022, 184, 115042.	5.2	13
7	Soil organic carbon dynamics in multipurpose cropping systems. Industrial Crops and Products, 2022, 187, 115315.	5.2	3
8	Camelina, an ancient oilseed crop actively contributing to the rural renaissance in Europe. A review. Agronomy for Sustainable Development, 2021, 41, 1.	5.3	68
9	SunnGro: A new crop model for the simulation of sunn hemp (Crotalaria juncea L.) grown under alternative management practices. Biomass and Bioenergy, 2021, 146, 105975.	5.7	6
10	Intercropping grasses and legumes can contribute to the development of advanced biofuels. Biomass and Bioenergy, 2021, 149, 106086.	5.7	7
11	Winter camelina seed quality in different growing environments across Northern America and Europe. Industrial Crops and Products, 2021, 169, 113639.	5.2	19
12	Optimization of agricultural practices for crambe in Europe. Industrial Crops and Products, 2021, 171, 113880.	5.2	4
13	Long-Term Productivity of Thirteen Lowland and Upland Switchgrass Ecotypes in the Mediterranean Region. Agronomy, 2020, 10, 923.	3.0	6
14	Is Drought Stress Tolerance Affected by Biotypes and Seed Size in the Emerging Oilseed Crop Camelina?. Agronomy, 2020, 10, 1856.	3.0	15
15	Assessment of mutagenized giant reed clones for yield, drought resistance and biomass quality. Biomass and Bioenergy, 2020, 134, 105501.	5.7	11
16	Winter camelina root characteristics and yield performance under contrasting environmental conditions. Field Crops Research, 2020, 252, 107794.	5.1	22
17	Turning a burden into an opportunity: Pennycress (Thlaspi arvense L.) a new oilseed crop for biofuel production. Biomass and Bioenergy, 2019, 130, 105354.	5.7	25
18	Marginal Agricultural Land Low-Input Systems for Biomass Production. Energies, 2019, 12, 3123.	3.1	113

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19	Trade-off between harvest date and lignocellulosic crop choice for advanced biofuel production in the Mediterranean area. Industrial Crops and Products, 2019, 138, 111439.	5.2	14
20	Fourâ€year measurement of net ecosystem gas exchange of switchgrass in a Mediterranean climate after longâ€term arable land use. GCB Bioenergy, 2019, 11, 466-482.	5.6	7
21	Shifting sowing of camelina from spring to autumn enhances the oil quality for bio-based applications in response to temperature and seed carbon stock. Industrial Crops and Products, 2019, 137, 66-73.	5.2	48
22	Comparing soil respiration and carbon pools of a maize-wheat rotation and switchgrass for predicting land-use change-driven SOC variations. Agricultural Systems, 2019, 173, 209-217.	6.1	7
23	Development of a process-based simulation model of camelina seed and oil production: A case study in Northern Italy. Industrial Crops and Products, 2019, 134, 234-243.	5.2	9
24	Deep root growth, ABA adjustments and root water uptake response to soil water deficit in giant reed. Annals of Botany, 2019, 124, 605-615.	2.9	20
25	Salinity effects on germination, seedlings and full-grown plants of upland and lowland switchgrass cultivars. Biomass and Bioenergy, 2019, 120, 273-280.	5.7	18
26	The association of crop production and precipitation; a comparison of two methodologies. Arid Land Research and Management, 2019, 33, 155-176.	1.6	7
27	Nitrogen Fertilization Management of Switchgrass, Miscanthus and Giant Reed: A Review. Advances in Agronomy, 2019, 153, 87-119.	5.2	20
28	The Importance of Perennial Grasses as a Feedstock for Bioenergy and Bioproducts. , 2018, , 1-33.		10
29	Switchgrass. , 2018, , 61-105.		4
30	Giant Reed. , 2018, , 107-151.		5
31	Giant reed genotypes from temperate and arid environments show different response mechanisms to drought. Physiologia Plantarum, 2018, 163, 490-501.	5.2	10
32	Biofuel production and soil <scp>GHG</scp> emissions after landâ€use change to switchgrass and giant reed in the U.S. Southeast. Food and Energy Security, 2018, 7, e00125.	4.3	11
33	Environmental impact assessment of perennial crops cultivation on marginal soils in the Mediterranean Region. Biomass and Bioenergy, 2018, 111, 174-186.	5.7	62
34	Areas with Natural Constraints to Agriculture: Possibilities and Limitations for The Cultivation of Switchgrass (Panicum Virgatum L.) and Giant Reed (Arundo Donax L.) in Europe. , 2018, , 39-63.		1
35	Comparison of new castor (Ricinus communis L.) genotypes in the mediterranean area and possible valorization of residual biomass for insect rearing. Industrial Crops and Products, 2017, 107, 581-587.	5.2	16
36	Agronomic performance and seed quality attributes of Camelina (Camelina sativa L. crantz) in multi-environment trials across Europe and Canada. Industrial Crops and Products, 2017, 107, 602-608.	5.2	100

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37	In vitro physical mutagenesis of giant reed (Arundo donax L.). GCB Bioenergy, 2017, 9, 1380-1389.	5.6	12
38	Land-use change from poplar to switchgrass and giant reed increases soil organic carbon. Agronomy for Sustainable Development, 2017, 37, 1.	5.3	12
39	Nonâ€food crops in marginal land: an illusion or a reality?. Biofuels, Bioproducts and Biorefining, 2017, 11, 937-938.	3.7	4
40	Assessing the Potentials for Nonfood Crops. , 2017, , 219-251.		12
41	The bio-based economy can serve as the springboard for camelina and crambe to quit the limbo. OCL - Oilseeds and Fats, Crops and Lipids, 2016, 23, D504.	1.4	37
42	Sixteen-Year Biomass Yield and Soil Carbon Storage of Giant Reed (Arundo donax L.) Grown Under Variable Nitrogen Fertilization Rates. Bioenergy Research, 2016, 9, 248-256.	3.9	46
43	Differential characteristics of photochemical acclimation to cold in two contrasting sweet sorghum hybrids. Physiologia Plantarum, 2016, 157, 479-489.	5.2	8
44	Bio-remediation of Pb and Cd polluted soils by switchgrass: A case study in India. International Journal of Phytoremediation, 2016, 18, 704-709.	3.1	43
45	Conclusive Results of the European Project OPTIMA: Optimization of Perennial Grasses for Biomass Production in the Mediterranean Area. Bioenergy Research, 2015, 8, 1459-1460.	3.9	13
46	A new compartmentalised rhizotron system for root phenotyping. Italian Journal of Agronomy, 2015, 10, 53.	1.0	3
47	Model Simulation of Cumulative Carbon Sequestration by Switchgrass (Panicum Virgatum L.) in the Mediterranean Area Using the DAYCENT Model. Bioenergy Research, 2015, 8, 1512-1522.	3.9	20
48	New Insights into the Propagation Methods of Switchgrass, Miscanthus and Giant Reed. Bioenergy Research, 2015, 8, 1480-1491.	3.9	22
49	Life Cycle Assessment of Bioenergy and Bio-Based Products from Perennial Grasses Cultivated on Marginal Land in the Mediterranean Region. Bioenergy Research, 2015, 8, 1548-1561.	3.9	48
50	Perennial Grass Production Opportunities on Marginal Mediterranean Land. Bioenergy Research, 2015, 8, 1523-1537.	3.9	48
51	Long-Term Yields of Switchgrass, Giant Reed, and Miscanthus in the Mediterranean Basin. Bioenergy Research, 2015, 8, 1492-1499.	3.9	62
52	An Integrated Approach to Harvest and Storage of Sweet Sorghum at Farm Scale. Bioenergy Research, 2015, 8, 450-458.	3.9	11
53	Photosynthetic acclimation of sweet sorghum under progressive water stress. Industrial Crops and Products, 2015, 66, 216-219.	5.2	4
54	What to harvest when? Autumn, winter, annual and biennial harvesting of giant reed, miscanthus and switchgrass in northern and southern Mediterranean area. Industrial Crops and Products, 2015, 75, 129-134.	5.2	38

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55	Comparative studies on several castor (Ricinus communis L.) hybrids: Growth, yields, seed oil and biomass characterization. Industrial Crops and Products, 2015, 75, 8-13.	5.2	28
56	Harvest storage and handling of round and square bales of giant reed and switchgrass: An economic and technical evaluation. Biomass and Bioenergy, 2015, 83, 551-558.	5.7	14
57	Land use change from C3 grassland to C4 Miscanthus: effects on soil carbon content and estimated mitigation benefit after six years. GCB Bioenergy, 2014, 6, 360-370.	5.6	83
58	Dedicated crops for advanced biofuels: Consistent and diverging agronomic points of view between the <scp>USA</scp> and the <scp>EU</scp>â€27. Biofuels, Bioproducts and Biorefining, 2013, 7, 715-731.	3.7	27
59	Managing a secondâ€generation crop portfolio through sustainable intensification: Examples from the <scp>USA</scp> and the <scp>EU</scp>. Biofuels, Bioproducts and Biorefining, 2013, 7, 702-714.	3.7	70
60	Environmental sustainability of advanced biofuels. Biofuels, Bioproducts and Biorefining, 2013, 7, 638-646.	3.7	12
61	Challenges and opportunities for new industrial oilseed crops in EU-27: A review. Industrial Crops and Products, 2013, 50, 580-595.	5.2	122
62	Photosynthetic response of sweet sorghum to drought and reâ€watering at different growth stages. Physiologia Plantarum, 2013, 149, 56-66.	5.2	31
63	An Atlantic bridge for comparing EUâ€‰and US views on the prospects ofâ€‰second-generation biofuels. Biofuels, Bioproducts and Biorefining, 2013, 7, 627-628.	3.7	2
64	Eighty Years of Studies on Industrial Hemp in the Po Valley (1930–2010). Journal of Natural Fibers, 2012, 9, 180-196.	3.1	30
65	Good grapes make good wine. Biofuels, Bioproducts and Biorefining, 2012, 6, 363-364.	3.7	1
66	Are we ready to cultivate sweet sorghum as a bioenergy feedstock? A review on field management practices. Biomass and Bioenergy, 2012, 40, 1-12.	5.7	144
67	Landâ€use change to bioenergy production in <scp>E</scp>urope: implications for the greenhouse gas balance and soil carbon. GCB Bioenergy, 2012, 4, 372-391.	5.6	298
68	The contribution of switchgrass in reducing<scp>GHG</scp>emissions. GCB Bioenergy, 2012, 4, 420-434.	5.6	87
69	Water uptake efficiency and above- and belowground biomass development of sweet sorghum and maize under different water regimes. Plant and Soil, 2012, 351, 47-60.	3.7	76
70	The Evolution of Switchgrass as an Energy Crop. Green Energy and Technology, 2012, , 1-28.	0.6	27
71	Crop Physiology. Green Energy and Technology, 2012, , 55-86.	0.6	12
72	Jerusalem artichoke (Helianthus tuberosus L.) productivity in different Italian growing areas: a modelling approach. Italian Journal of Agronomy, 2011, 6, 20.	1.0	6

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73	Conclusive remarks. Reliability and comparability of chlorophyll fluorescence data from several field teams. Environmental and Experimental Botany, 2011, 73, 116-119.	4.2	21
74	Life cycle assessment of different bioenergy production systems including perennial and annual crops. Biomass and Bioenergy, 2011, 35, 4868-4878.	5.7	158
75	Energy crops in rotation. A review. Biomass and Bioenergy, 2011, 35, 12-25.	5.7	148
76	Characterization and antimicrobial activity of essential oils of industrial hemp varieties (Cannabis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	217
77	Critical review on energy balance of agricultural systems. Biofuels, Bioproducts and Biorefining, 2010, 4, 423-446.	3.7	19
78	Agronomic aspects of future energy crops in Europe. Biofuels, Bioproducts and Biorefining, 2010, 4, 674-691.	3.7	125
79	Overview of the markets for energy crops in EU27. Biofuels, Bioproducts and Biorefining, 2010, 4, 605-619.	3.7	8
80	Direct and indirect landâ€use competition issues for energy crops and their sustainable production â€“ an overview. Biofuels, Bioproducts and Biorefining, 2010, 4, 692-704.	3.7	140
81	Toward biofuels: an ongoing journey in the EU. Biofuels, Bioproducts and Biorefining, 2010, 4, 583-585.	3.7	2
82	Comparative analysis of pyrolysate from herbaceous and woody energy crops by Py-GC with atomic emission and mass spectrometric detection. Journal of Analytical and Applied Pyrolysis, 2010, 88, 175-180.	5.5	34
83	Internal conductance under different light conditions along the plant profile of Ethiopian mustard (Brassica carinata A. Brown.). Journal of Experimental Botany, 2009, 60, 2341-2350.	4.8	17
84	Cradle-to-farm gate life cycle assessment in perennial energy crops. European Journal of Agronomy, 2009, 31, 77-84.	4.1	95
85	Root distribution and soil moisture retrieval in perennial and annual energy crops in Northern Italy. Agriculture, Ecosystems and Environment, 2009, 132, 252-259.	5.3	168
86	Mineral composition and ash content of six major energy crops. Biomass and Bioenergy, 2008, 32, 216-223.	5.7	348
87	Spatial variability of switchgrass (Panicum virgatum L.) yield as related to soil parameters in a small field. Field Crops Research, 2007, 101, 232-239.	5.1	78
88	A simple method to improve the estimation of the relationship between rainfall and crop yield. Agronomy for Sustainable Development, 2007, 27, 255-260.	5.3	12
89	Improved agronomy and management of crop plants for industrial end uses. , 2007, , 83-127.		1
90	Variation in carbon isotope discrimination during growth and at different organs in sugar beet (Beta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.1	21

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91	Chicory and Jerusalem artichoke productivity in different areas of Italy, in relation to water availability and time of harvest. Italian Journal of Agronomy, 2006, 1, 291.	1.0	31
92	Growth, fructan yield, and quality of chicory (Cichorium intybus L.) as related to photosynthetic capacity, harvest time, and water regime. Journal of Experimental Botany, 2005, 56, 1389-1395.	4.8	61
93	Non-structural carbohydrates and fibre components in sweet and fibre sorghum as affected by low and normal input techniques. Industrial Crops and Products, 2004, 20, 111-118.	5.2	69
94	Comparison of the energy performance of fibre sorghum, sweet sorghum and wheat monocultures in northern Italy. European Journal of Agronomy, 2003, 19, 35-43.	4.1	64