MichaÅ, KrzyÅ¼aniak

List of Publications by Year
in descending order

76 papers	1,536 citations	279798 23 h-index	361022 35 g-index
77 all docs	77 docs citations	77 times ranked	1386 citing authors

#	Article	IF	Citations
1	Yellow Mealworm Composition after Convective and Freeze Dryingâ€”Preliminary Results. Agriculture (Switzerland), 2022, 12, 149.	3.1	4
2	Legal Framework for the Sustainable Production of Short Rotation Coppice Biomass for Bioeconomy and Bioenergy. Energies, 2022, 15, 1370.	3.1	5
3	Forest Dendromass as Energy Feedstock: Diversity of Properties and Composition Depending on Systematic Genus and Organ. Energies, 2022, 15, 1442.	3.1	6
4	Biomass yield and quality of perennial herbaceous crops in a double harvest in a continental environment. Industrial Crops and Products, 2022, 180, 114752.	5.2	3
5	Short rotation woody crops as a source of bioactive compounds depending on genotype and harvest cycle. Industrial Crops and Products, 2022, 180, 114770.	5.2	0
6	Supercritical production of extract from poplar containing bioactive substances â€" An economic analysis. Industrial Crops and Products, 2022, 184, 115094.	5.2	7
7	Cascaded use of perennial industrial crop biomass: The effect of biomass type and pre-treatment method on pellet properties. Industrial Crops and Products, 2022, 185, 115104.	5.2	10
8	Factors Influencing the Health Status of Trees in Parks and Forests of Urbanized Areas. Forests, 2021, 12, 656.	2.1	2
9	Solid Biomass Energy Potential as a Development Opportunity for Rural Communities. Energies, 2021, 14, 3398.	3.1	12
10	Optimization of agricultural practices for crambe in Europe. Industrial Crops and Products, 2021, 171, 113880.	5.2	4
11	Willow bark and wood as a source of bioactive compounds and bioenergy feedstock. Industrial Crops and Products, 2021, 171, 113976.	5.2	24
12	Could Supercritical Extracts from the Aerial Parts of Helianthus salicifolius A. Dietr. and Helianthus tuberosus L. Be Regarded as Potential Raw Materials for Biocidal Purposes?. Agriculture (Switzerland), 2021, 11, 10.	3.1	19
13	Quality and Delivery Costs of Wood Chips by Railway vs. Road Transport. Energies, 2021, 14, 6877.	3.1	8
14	Economic Evaluation of the Production of Perennial Crops for Energy Purposesâ€"A Review. Energies, 2021, 14, 7147.	3.1	13
15	Environmental external cost of poplar wood chips sustainable production. Journal of Cleaner Production, 2020, 252, 119854.	9.3	9
16	The physical properties of fruits and the physiological quality of seeds of selected crambe genotypes. Industrial Crops and Products, 2020, 145, 111977.	5.2	8
17	Effects of Site, Genotype and Subsequent Harvest Rotation on Willow Productivity. Agriculture (Switzerland), 2020, 10, 412.	3.1	12
18	Bioenergy technologies and biomass potential vary in Northern European countries. Renewable and Sustainable Energy Reviews, 2020, 133, 110238.	16.4	44

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19	Willow Biomass as Energy Feedstock: The Effect of Habitat, Genotype and Harvest Rotation on Thermophysical Properties and Elemental Composition. Energies, 2020, 13, 4130.	3.1	12
20	Growth Potential of Yellow Mealworm Reared on Industrial Residues. Agriculture (Switzerland), 2020, 10, 599.	3.1	17
21	Silphium perfoliatumâ€"A Herbaceous Crop with Increased Interest in Recent Years for Multi-Purpose Use. Agriculture (Switzerland), 2020, 10, 640.	3.1	21
22	Willow Cultivation as Feedstock for Bioenergy-External Production Cost. Energies, 2020, 13, 4799.	3.1	4
23	How does extraction of biologically active substances with supercritical carbon dioxide affect lignocellulosic biomass properties?. Wood Science and Technology, 2020, 54, 519-546.	3.2	20
24	Energy Value of Yield and Biomass Quality in a 7-Year Rotation of Willow Cultivated on Marginal Soil. Energies, 2020, 13, 2144.	3.1	9
25	Camelina and Crambe Oil Crops for Bioeconomyâ€"Straw Utilisation for Energy. Energies, 2020, 13, 1503.	3.1	15
26	Life Cycle Assessment of Giant Miscanthus: Production on Marginal Soil with Various Fertilisation Treatments. Energies, 2020, 13, 1931.	3.1	21
27	Energy consumption and heating costs for a detached house over a 12-year period â€" Renewable fuels versus fossil fuels. Energy, 2020, 204, 117952.	8.8	23
28	The Characterization of 10 Spring Camelina Genotypes Grown in Environmental Conditions in North-Eastern Poland. Agronomy, 2020, 10, 64.	3.0	18
29	Will Yellow Mealworm Become a Source of Safe Proteins for Europe?. Agriculture (Switzerland), 2020, 10, 233.	3.1	34
30	Energy Value of Yield and Biomass Quality of Poplar Grown in Two Consecutive 4-Year Harvest Rotations in the North-East of Poland. Energies, 2020, 13, 1495.	3.1	16
31	The Estimation of Above- and Below-Ground Biomass Residues and Carbon Sequestration Potential in Soil on Commercial Willow Plantation. Springer Proceedings in Energy, 2020, , 257-266.	0.3	1
32	Willow production during 12 consecutive yearsâ€"The effects of harvest rotation, planting density and cultivar on biomass yield. GCB Bioenergy, 2019, 11, 635-656.	5.6	20
33	Life cycle assessment of camelina and crambe production for biorefinery and energy purposes. Journal of Cleaner Production, 2019, 237, 117755.	9.3	16
34	Camelina and crambe production â€" Energy efficiency indices depending on nitrogen fertilizer application. Industrial Crops and Products, 2019, 137, 386-395.	5.2	34
35	Yield and seed composition of 10 spring camelina genotypes cultivated in the temperate climate of Central Europe. Industrial Crops and Products, 2019, 138, 111443.	5.2	39
36	How does the content of nutrients in soil affect the health status of trees in city parks?. PLoS ONE, 2019, 14, e0221514.	2.5	11

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37	Energy efficiency indices for lignocellulosic biomass production: Short rotation coppices versus grasses and other herbaceous crops. Industrial Crops and Products, 2019, 135, 10-20.	5.2	24
38	Characterization of bioactive compounds in the biomass of black locust, poplar and willow. Trees - Structure and Function, 2019, 33, 1235-1263.	1.9	48
39	Willow productivity from small- and large-scale experimental plantations in Poland from 2000 to 2017. Renewable and Sustainable Energy Reviews, 2019, 101, 461-475.	16.4	36
40	Life cycle assessment of poplar production: Environmental impact of different soil enrichment methods. Journal of Cleaner Production, 2019, 206, 785-796.	9.3	29
41	Extensive Willow Biomass Production on Marginal Land. Polish Journal of Environmental Studies, 2019, 28, 4359-4367.	1.2	10
42	Thermophysical properties and elemental composition of agricultural and forest solid biofuels versus fossil fuels. Journal of Elementology, 2019, , .	0.2	6
43	Short rotation coppices, grasses and other herbaceous crops: Biomass properties versus 26 genotypes and harvest time. Industrial Crops and Products, 2018, 119, 22-32.	5.2	38
44	Life cycle assessment of Virginia mallow production with different fertilisation options. Journal of Cleaner Production, 2018, 177, 824-836.	9.3	22
45	Energy and economic efficiency of camelina and crambe biomass production on a large-scale farm in north-eastern Poland. Energy, 2018, 150, 770-780.	8.8	35
46	Short rotation coppices, grasses and other herbaceous crops: Productivity and yield energy value versus 26 genotypes. Biomass and Bioenergy, 2018, 119, 109-120.	5.7	37
47	Survival Analysis of Plants Grown in Long-Term Field Experiments. Agronomy Journal, 2018, 110, 1791-1798.	1.8	3
48	Evaluation of biomass quality of selected woody species depending on the soil enrichment practice. International Agrophysics, 2018, 32, 111-121.	1.7	7
49	Perennial herbaceous crops as a feedstock for energy and industrial purposes: Organic and mineral fertilizers versus biomass yield and efficient nitrogen utilization. Industrial Crops and Products, 2017, 107, 244-259.	5.2	26
50	Economic efficiency of willow, poplar and black locust production using different soil amendments. Biomass and Bioenergy, 2017, 106, 74-82.	5.7	20
51	Elemental composition of willow short rotation crops biomass depending on variety and harvest cycle. Biomass and Bioenergy, 2017, 105, 342-350.	5.7	6
52	Willow biomass and cuttings' production potential over ten successive annual harvests. Biomass and Bioenergy, 2017, 105, 230-247.	5.7	14
53	Short-Rotation Woody Crops for Energy. , 2017, , 141-152.		2
54	Energy efficiency of perennial herbaceous crops production depending on the type of digestate and mineral fertilizers. Energy, 2017, 134, 50-60.	8.8	28

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55	Energy consumption and costs of heating a detached house with wood briquettes in comparison to other fuels. Energy Conversion and Management, 2016, 121, 71-83.	9.2	30
56	Analysis of the energy efficiency of short rotation woody crops biomass as affected by different methods of soil enrichment. Energy, 2016, 113, 748-761.	8.8	24
57	Effect of storage methods on willow chips quality. Biomass and Bioenergy, 2016, 92, 61-69.	5.7	23
58	Characteristics of Thermophysical Parameters of SelectedSalixTaxa with Elemental Analysis. International Journal of Green Energy, 2015, 12, 1272-1279.	3.8	4
59	Economic comparison of growing different willow cultivars. Biomass and Bioenergy, 2015, 81, 210-215.	5.7	24
60	The Energy Efficiency Of Willow Biomass Production In Poland â€“ A Comparative Study. Papers on Global Change IGBP, 2015, 22, 123-130.	0.1	2
61	Effect of Increased Soil Fertility on the Yield and Energy Value of Short-Rotation Woody Crops. Bioenergy Research, 2015, 8, 1136-1147.	3.9	44
62	Lignocellulosic biomass from short rotation woody crops as a feedstock for second-generation bioethanol production. Industrial Crops and Products, 2015, 75, 66-75.	5.2	44
63	Willow biomass obtained from different soils as a feedstock for energy. Industrial Crops and Products, 2015, 75, 114-121.	5.2	25
64	Willow Biomass Energy Generation Efficiency and Greenhouse Gas Reduction Potential. Polish Journal of Environmental Studies, 2015, 24, 2627-2640.	1.2	8
65	Changes of the quality of willow biomass as renewable energy feedstock harvested with biobaler. Journal of Elementology, 2015, , .	0.2	3
66	Thermophysical and chemical properties of biomass obtained from willow coppice cultivated in one- and three-year rotation cycles. Journal of Elementology, 2015, , .	0.2	5
67	Willow biomass as feedstock for an integrated multi-product biorefinery. Industrial Crops and Products, 2014, 58, 230-237.	5.2	60
68	Energy intensity and energy ratio in producing willow chips as feedstock for an integrated biorefinery. Biosystems Engineering, 2014, 123, 19-28.	4.3	19
69	Production costs and residues evaluation of Crambe abyssinica as an energy feedstock. Environmental Biotechnology, 2014, 9, 59-65.	1.5	3
70	Life cycle assessment of Crambe abyssinica production for an integrated multi-product biorefinery. Environmental Biotechnology, 2014, 9, 72-80.	1.5	7
71	Thermophysical and Chemical Properties of Perennial Energy Crops Depending on Harvest Period. International Agrophysics, 2014, 28, 201-211.	1.7	30
72	Cost of heat energy generation from willow biomass. Renewable Energy, 2013, 59, 100-104.	8.9	23

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73	Energy, economic and environmental assessment of heating a family house with biomass. Energy and Buildings, 2013, 66, 395-404.	6.7	28
74	Comparison of quality and production cost of briquettes made from agricultural and forest origin biomass. Renewable Energy, 2013, 57, 20-26.	8.9	148
75	Life Cycle Assessment of Willow Produced in Short Rotation Coppices for Energy Purposes. Journal of Biobased Materials and Bioenergy, 2013, 7, 566-578.	0.3	11
76	Short rotation willow coppice biomass as an industrial and energy feedstock. Industrial Crops and Products, 2011, 33, 217-223.	5.2	55