

Ralf Pecenka

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

488
citations

759233

12
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	An Assessment of Potential Resources for Biomass Energy in Nigeria. <i>Resources</i> , 2020, 9, 92.	3.5	84
2	Open-air storage of fine and coarse wood chips of poplar from short rotation coppice in covered piles. <i>Biomass and Bioenergy</i> , 2015, 83, 269-277.	5.7	58
3	Development of bio-physical properties during storage of poplar chips from 15Âha test fields. <i>Biomass and Bioenergy</i> , 2014, 65, 13-19.	5.7	37
4	A Review of Biomass Briquette Binders and Quality Parameters. <i>Energies</i> , 2022, 15, 2426.	3.1	33
5	Continuous weighing of a pile of poplar wood chips â€“ A comparison of methods to determine the dry matter losses during storage. <i>Biomass and Bioenergy</i> , 2017, 96, 119-129.	5.7	24
6	Influence of the chip format on the development of mass loss, moisture content and chemical composition of poplar chips during storage and drying in open-air piles. <i>Biomass and Bioenergy</i> , 2018, 116, 140-150.	5.7	24
7	Wet Processing of Hemp: An Overview. <i>Journal of Natural Fibers</i> , 2011, 8, 59-80.	3.1	22
8	Development and test of a simplified method to calculate dry matter loss during open-air storage of poplar wood chips by analysing ash contents. <i>Biomass and Bioenergy</i> , 2016, 94, 258-267.	5.7	22
9	Effect of densification variables on density of corn cob briquettes produced using a uniaxial compaction biomass briquetting press. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 3019-3028.	2.3	16
10	Comparative investigations of fibreboards resulting from selected hemp varieties. <i>Industrial Crops and Products</i> , 2018, 118, 81-94.	5.2	15
11	Influence of Tree Species, Harvesting Method and Storage on Energy Demand and Wood Chip Quality When Chipping Poplar, Willow and Black Locust. <i>Agriculture (Switzerland)</i> , 2020, 10, 116.	3.1	15
12	Fibre boards and composites from wet preserved hemp. <i>International Journal of Materials and Product Technology</i> , 2009, 36, 208.	0.2	14
13	Influence of the particle size of poplar wood chips on the development of mesophilic and thermotolerant mould during storage and their potential impact on dry matter losses in piles in practice. <i>Biomass and Bioenergy</i> , 2019, 127, 105273.	5.7	14
14	Empirical model for prediction of density and water resistance of corn cob briquettes. <i>International Journal of Renewable Energy Technology</i> , 2019, 10, 212.	0.3	13
15	An Alternative to Field Retting: Fibrous Materials Based on Wet Preserved Hemp for the Manufacture of Composites. <i>Agriculture (Switzerland)</i> , 2019, 9, 140.	3.1	12
16	Extrusion of Different Plants into Fibre for Peat Replacement in Growing Media: Adjustment of Parameters to Achieve Satisfactory Physical Fibre-Properties. <i>Agronomy</i> , 2021, 11, 1185.	3.0	12
17	Storage Problems of Poplar Chips from Short Rotation Plantations with Special Emphasis on Fungal Development. <i>Acta Silvatica Et Lignaria Hungarica</i> , 2012, 8, 123-132.	0.3	12
18	Harvesters for short rotation coppice: current status and new solutions. <i>International Journal of Forest Engineering</i> , 2013, 24, 170-182.	0.8	11

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19	Biogas production from selected crop residues in Nigeria and estimation of its electricity value. International Journal of Renewable Energy Technology, 2015, 6, 101.	0.3	11
20	Options for Optimizing the Drying Process and Reducing Dry Matter Losses in Whole-Tree Storage of Poplar from Short-Rotation Coppices in Germany. Forests, 2020, 11, 374.	2.1	9
21	The potential of calcium hydroxide to reduce storage losses: A four months monitoring study of spruce wood chip piles at industrial scale. Fuel, 2021, 298, 120738.	6.4	9
22	Molecular monitoring of the poplar wood chip microbiome as a function of storage strategy. International Biodeterioration and Biodegradation, 2021, 156, 105133.	3.9	7
23	Process-Technological Evaluation of Harvesting Hemp in Winter. Journal of Natural Fibers, 2013, 10, 159-175.	3.1	6
24	Cold air ventilation for cooling and drying of poplar wood chips from short rotation coppice in outdoor storage piles in Germany. Biomass and Bioenergy, 2021, 146, 105976.	5.7	3
25	Establishment of a Laboratory Scale Set-Up with Controlled Temperature and High Humidity to Investigate Dry Matter Losses of Wood Chips from Poplar during Storage. Forests, 2022, 13, 459.	2.1	3
26	Produktivität, Management und Nutzung von Agrarholz. , 2018, , 447-510.		2