

Wojciech CzekaÅ,a

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,401
citations

394286

19
h-index

360920

35
g-index

58
all docs

58
docs citations

58
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-composting of poultry manure mixtures amended with biochar – The effect of biochar on temperature and C-CO ₂ emission. <i>Bioresource Technology</i> , 2016, 200, 921-927.	4.8	195
2	Biochar to reduce ammonia emissions in gaseous and liquid phase during composting of poultry manure with wheat straw. <i>Waste Management</i> , 2017, 66, 36-45.	3.7	123
3	Model of the sewage sludge-straw composting process integrating different heat generation capacities of mesophilic and thermophilic microorganisms. <i>Waste Management</i> , 2015, 43, 72-83.	3.7	84
4	Methane fermentation of the maize straw silage under meso- and thermophilic conditions. <i>Energy</i> , 2016, 115, 1495-1502.	4.5	66
5	Digestate management in polish farms as an element of the nutrient cycle. <i>Journal of Cleaner Production</i> , 2020, 242, 118454.	4.6	66
6	The possibility of using plants from hybrid constructed wetland wastewater treatment plant for energy purposes. <i>Ecological Engineering</i> , 2016, 95, 534-541.	1.6	56
7	The use of neural modelling to estimate the methane production from slurry fermentation processes. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 603-610.	8.2	53
8	The energy value and economic efficiency of solid biofuels produced from digestate and sawdust. <i>Energy</i> , 2018, 159, 1118-1122.	4.5	49
9	Energetic efficiency analysis of the agricultural biogas plant in 250 kWe experimental installation. <i>Energy</i> , 2014, 69, 34-38.	4.5	48
10	Energetic and economic analysis of biogas plant with using the dairy industry waste. <i>Energy</i> , 2019, 183, 1023-1031.	4.5	44
11	Using convolutional neural networks to classify the maturity of compost based on sewage sludge and rapeseed straw. <i>Journal of Cleaner Production</i> , 2020, 258, 120814.	4.6	41
12	Chemical Characteristics of Selected Grass Species from Polish Meadows and Their Potential Utilization for Energy Generation Purposes. <i>Energies</i> , 2021, 14, 1669.	1.6	32
13	Energy value estimation of silages for substrate in biogas plants using an artificial neural network. <i>Energy</i> , 2020, 202, 117729.	4.5	31
14	Agricultural Biogas Plants as a Chance for the Development of the Agri-Food Sector. <i>Journal of Ecological Engineering</i> , 2018, 19, 179-183.	0.5	30
15	From Waste to Sustainable Feed Material: The Effect of <i>Hermetia Illucens</i> Oil on the Growth Performance, Nutrient Digestibility, and Gastrointestinal Tract Morphometry of Broiler Chickens. <i>Annals of Animal Science</i> , 2020, 20, 157-177.	0.6	30
16	The efficiency and technological reliability of biogenic compounds removal during long-term operation of a one-stage subsurface horizontal flow constructed wetland. <i>Separation and Purification Technology</i> , 2018, 202, 216-226.	3.9	28
17	The Use of Biochar for the Production of Organic Fertilizers. <i>Journal of Ecological Engineering</i> , 2019, 20, 1-8.	0.5	28
18	Solid Fraction of Digestate from Biogas Plant as a Material for Pellets Production. <i>Energies</i> , 2021, 14, 5034.	1.6	23

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19	Specialised Internet Tool for Biogas Plant Modelling and Marked Analysing. <i>Advanced Materials Research</i> , 0, 909, 305-310.	0.3	21
20	The Influence of Corn Straw Extrusion Pretreatment Parameters on Methane Fermentation Performance. <i>Materials</i> , 2020, 13, 3003.	1.3	20
21	Biological Waste Management in the Case of a Pandemic Emergency and Other Natural Disasters. Determination of Bioenergy Production from Floricultural Waste and Modeling of Methane Production Using Deep Neural Modeling Methods. <i>Energies</i> , 2020, 13, 3014.	1.6	19
22	Technological reliability of pollutant removal in different seasons in one-stage constructed wetland system with horizontal flow operating in the moderate climate. <i>Separation and Purification Technology</i> , 2020, 238, 116439.	3.9	18
23	Bioreactor Internet System for Experimental Data Monitoring and Measurement. <i>Procedia Technology</i> , 2013, 8, 209-214.	1.1	17
24	The Experimental Macro Photoreactor for Microalgae Production. <i>Procedia Technology</i> , 2013, 8, 622-627.	1.1	16
25	Untargeted Metabolite Profiling for Screening Bioactive Compounds in Digestate of Manure under Anaerobic Digestion. <i>Water (Switzerland)</i> , 2019, 11, 2420.	1.2	16
26	The possibility of functioning micro-scale biogas plant in selected farm. <i>Journal of Water and Land Development</i> , 2017, 35, 19-25.	0.9	16
27	Heat Energy and Gas Emissions during Composting of Sewage Sludge. <i>Energies</i> , 2019, 12, 4782.	1.6	14
28	The hydropower sector in Poland: Historical development and current status. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112150.	8.2	14
29	Influence of maize straw content with sewage sludge on composting process. <i>Journal of Water and Land Development</i> , 2016, 30, 43-49.	0.9	12
30	Laboratory Simulation of an Agricultural Biogas Plant Start-up. <i>Chemical Engineering and Technology</i> , 2018, 41, 711-716.	0.9	12
31	The Process of Microbiological Remediation of the Polluted Śróbnicko Reservoir in Poland: For Reduction of Water Pollution and Nutrients Management. <i>Water (Switzerland)</i> , 2020, 12, 3002.	1.2	12
32	Food Waste Management Using <i>Hermetia Illucens</i> Insect. <i>Journal of Ecological Engineering</i> , 2020, 21, 214-216.	0.5	12
33	CONCEPT OF IN-OIL PROJECT BASED ON BIOCONVERSION OF BY-PRODUCTS FROM FOOD PROCESSING INDUSTRY. <i>Journal of Ecological Engineering</i> , 2017, 18, 180-185.	0.5	11
34	The hydropower sector in Poland: Barriers and the outlook for the future. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112500.	8.2	11
35	Energy and economic potential of maize straw used for biofuels production. <i>MATEC Web of Conferences</i> , 2016, 60, 04008.	0.1	10
36	Biogas Production from Raw Digestate and its Fraction. <i>Journal of Ecological Engineering</i> , 2019, 20, 97-102.	0.5	10

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37	Extrusion pretreatment of maize straw – case study for a Polish biogas plants. <i>International Agrophysics</i> , 2019, 33, 527-535.	0.7	10
38	Biogas as a Sustainable and Renewable Energy Source. <i>Energy, Environment, and Sustainability</i> , 2022, , 201-214.	0.6	10
39	Social Aspects of Energy Production from Renewable Sources. <i>Problemy Ekorozwoju</i> , 2021, 16, 61-66.	0.6	9
40	The Control of Air Humidity and Temperature in Relationship with a Biowaste Composting Process. <i>Advanced Materials Research</i> , 2014, 909, 455-462.	0.3	8
41	Economic and energy efficiency of the solid biofuels produced from digested pulp. <i>MATEC Web of Conferences</i> , 2016, 60, 04005.	0.1	8
42	Lignin Transformation of One-Year-Old Plants During Anaerobic Digestion (AD). <i>Polymers</i> , 2019, 11, 835.	2.0	8
43	A Possibility of Functioning Biogas Plant at a Poultry Farm. <i>Journal of Ecological Engineering</i> , 2019, 20, 225-231.	0.5	8
44	DYNAMICS OF GASEOUS EMISSIONS DURING COMPOSTING OF SEWAGE SLUDGE WITH MAIZE STRAW AS A BULKING AGENT. <i>Journal of Ecological Engineering</i> , 2015, 16, 108-114.	0.5	7
45	The Influence of Admixtures Accelerating the Pine Bark Composting Process on Variation in the Bacteriological State of Composts. <i>Archives of Environmental Protection</i> , 2014, 40, .	1.1	6
46	An effective method of utilizing vegetable waste in the form of carriers for <i>Trichoderma</i> strains with phytosanitary properties. <i>Science of the Total Environment</i> , 2019, 671, 795-804.	3.9	6
47	Database System for Estimating the Biogas Potential of Cattle and Swine Feces in Poland. <i>Journal of Ecological Engineering</i> , 2021, 22, 111-120.	0.5	6
48	Methods of Handling the Cup Plant (<i>Silphium perfoliatum</i> L.) for Energy Production. <i>Energies</i> , 2022, 15, 1897.	1.6	6
49	Poznań, Air Pollution Analysis for 2015-2017. <i>Journal of Ecological Engineering</i> , 2018, 19, 162-169.	0.5	5
50	Spent Mushroom Substrate as a Supplementary Material for Sewage Sludge Composting Mixtures. <i>Engineering and Protection of Environment</i> , 2018, 21, 29-38.	0.3	5
51	The influence of substrate C: N ratios on heat generation during the composting process of sewage sludge. <i>International Journal of Smart Grid and Clean Energy</i> , 2017, 6, 61-66.	0.4	4
52	Energetic Efficiency of the Vegetable Waste Used as Substrate for Biogas Production. <i>MATEC Web of Conferences</i> , 2016, 64, 06002.	0.1	2
53	The effects of inflow of agricultural biogas digestate on bivalves™ behavior. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67385-67393.	2.7	2
54	Nutrient Value of Digestate from Agricultural Biogas Plant in Poland. , 2018, , .		1

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55	Composting of sewage sludge with solid fraction of digested pulp from agricultural biogas plant. E3S Web of Conferences, 2018, 30, 02001.	0.2	1
56	Processing of Digested Pulp from Agricultural Biogas Plant. Springer Earth System Sciences, 2019, , 371-385.	0.1	1
57	Influence of carbon dioxide, temperature, medium kind and light intensity on the growth of algae <i>Chlamydomonas reinhardtii</i> and <i>Scenedesmus obliquus</i> . MATEC Web of Conferences, 2016, 60, 04006.	0.1	0
58	The effect of temperature on the methane yield of the slurry contaminated with heavy metals. International Journal of Smart Grid and Clean Energy, 2017, 6, 127-132.	0.4	0