

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	Biogas as a Sustainable and Renewable Energy Source. <i>Energy, Environment, and Sustainability</i> , 2022, , 201-214.	0.6	10
2	The hydropower sector in Poland: Historical development and current status. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112150.	8.2	14
3	Methods of Handling the Cup Plant (<i>Silphium perfoliatum</i> L.) for Energy Production. <i>Energies</i> , 2022, 15, 1897.	1.6	6
4	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
5	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
6	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
7	The effects of inflow of agricultural biogas digestate on bivalvesâ€™ behavior. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67385-67393.	2.7	2
8	Solid Fraction of Digestate from Biogas Plant as a Material for Pellets Production. <i>Energies</i> , 2021, 14, 5034.	1.6	23
9	Social Aspects of Energy Production from Renewable Sources. <i>Problemy Ekorozwoju</i> , 2021, 16, 61-66.	0.6	9
10	Digestate management in polish farms as an element of the nutrient cycle. <i>Journal of Cleaner Production</i> , 2020, 242, 118454.	4.6	66
11	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
12	The Influence of Corn Straw Extrusion Pretreatment Parameters on Methane Fermentation Performance. <i>Materials</i> , 2020, 13, 3003.	1.3	20
13	The Process of Microbiological Remediation of the Polluted SÅ‚oneczko Reservoir in Poland: For Reduction of Water Pollution and Nutrients Management. <i>Water (Switzerland)</i> , 2020, 12, 3002.	1.2	12
14	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
15	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
16	Energy value estimation of silages for substrate in biogas plants using an artificial neural network. <i>Energy</i> , 2020, 202, 117729.	4.5	31
17	Food Waste Management Using <i>Hermetia Illucens</i> Insect. <i>Journal of Ecological Engineering</i> , 2020, 21, 214-216.	0.5	12
18	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

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19	Energetic and economic analysis of biogas plant with using the dairy industry waste. Energy, 2019, 183, 1023-1031.	4.5	44
20	Lignin Transformation of One-Year-Old Plants During Anaerobic Digestion (AD). Polymers, 2019, 11, 835.	2.0	8
21	Processing of Digested Pulp from Agricultural Biogas Plant. Springer Earth System Sciences, 2019, , 371-385.	0.1	1
22	An effective method of utilizing vegetable waste in the form of carriers for Trichoderma strains with phytosanitary properties. Science of the Total Environment, 2019, 671, 795-804.	3.9	6
23	Heat Energy and Gas Emissions during Composting of Sewage Sludge. Energies, 2019, 12, 4782.	1.6	14
24	Untargeted Metabolite Profiling for Screening Bioactive Compounds in Digestate of Manure under Anaerobic Digestion. Water (Switzerland), 2019, 11, 2420.	1.2	16
25	Biogas Production from Raw Digestate and its Fraction. Journal of Ecological Engineering, 2019, 20, 97-102.	0.5	10
26	The Use of Biochar for the Production of Organic Fertilizers. Journal of Ecological Engineering, 2019, 20, 1-8.	0.5	28
27	Extrusion pretreatment of maize straw – case study for a Polish biogas plants. International Agrophysics, 2019, 33, 527-535.	0.7	10
28	A Possibility of Functioning Biogas Plant at a Poultry Farm. Journal of Ecological Engineering, 2019, 20, 225-231.	0.5	8
29	Laboratory Simulation of an Agricultural Biogas Plant Start-up. Chemical Engineering and Technology, 2018, 41, 711-716.	0.9	12
30	The efficiency and technological reliability of biogenic compounds removal during long-term operation of a one-stage subsurface horizontal flow constructed wetland. Separation and Purification Technology, 2018, 202, 216-226.	3.9	28
31	Nutrient Value of Digestate from Agricultural Biogas Plant in Poland. , 2018, , .		1
32	Composting of sewage sludge with solid fraction of digested pulp from agricultural biogas plant. E3S Web of Conferences, 2018, 30, 02001.	0.2	1
33	The energy value and economic efficiency of solid biofuels produced from digestate and sawdust. Energy, 2018, 159, 1118-1122.	4.5	49
34	Agricultural Biogas Plants as a Chance for the Development of the Agri-Food Sector. Journal of Ecological Engineering, 2018, 19, 179-183.	0.5	30
35	Poznań, Air Pollution Analysis for 2015-2017. Journal of Ecological Engineering, 2018, 19, 162-169.	0.5	5
36	Spent Mushroom Substrate as a Supplementary Material for Sewage Sludge Composting Mixtures. Engineering and Protection of Environment, 2018, 21, 29-38.	0.3	5

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37	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
38	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
39	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
40	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
41	The effect of temperature on the methane yield of the slurry contaminated with heavy metals. <i>International Journal of Smart Grid and Clean Energy</i> , 2017, 6, 127-132.	0.4	0
42	Energetic Efficiency of the Vegetable Waste Used as Substrate for Biogas Production. <i>MATEC Web of Conferences</i> , 2016, 64, 06002.	0.1	2
43	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
44	Methane fermentation of the maize straw silage under meso- and thermophilic conditions. <i>Energy</i> , 2016, 115, 1495-1502.	4.5	66
45	Economic and energy efficiency of the solid biofuels produced from digested pulp. <i>MATEC Web of Conferences</i> , 2016, 60, 04005.	0.1	8
46	Energy and economic potential of maize straw used for biofuels production. <i>MATEC Web of Conferences</i> , 2016, 60, 04008.	0.1	10
47	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
48	Influence of carbon dioxide, temperature, medium kind and light intensity on the growth of algae <i>Chlamydomonas reinhardtii</i> and <i>Scenedesmus obliquus</i> . <i>MATEC Web of Conferences</i> , 2016, 60, 04006.	0.1	0
49	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
50	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
51	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
52	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
53	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
54	Energetic efficiency analysis of the agricultural biogas plant in 250 kW _e experimental installation. <i>Energy</i> , 2014, 69, 34-38.	4.5	48

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55	The Influence of Admixtures Accelerating the Pine Bark Composting Process on Variation in the Bacteriological State of Composts. Archives of Environmental Protection, 2014, 40, .	1.1	6
56	Bioreactor Internet System for Experimental Data Monitoring and Measurement. Procedia Technology, 2013, 8, 209-214.	1.1	17
57	The Experimental Macro Photoreactor for Microalgae Production. Procedia Technology, 2013, 8, 622-627.	1.1	16
58	Specialised Internet Tool for Biogas Plant Modelling and Marked Analysing. Advanced Materials Research, 0, 909, 305-310.	0.3	21