# Krzysztof Pilarski

List of Publications by Year
in descending order

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|---|---|---|
| 41 papers | 682 citations | 17 h-index (471371) |
| 25 g-index (580701) | 41 all docs | 41 docs citations |
| 41 times ranked | 542 citing authors | |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Artificial neural networks for modeling ammonia emissions released from sewage sludge composting. Atmospheric Environment, 2012, 57, 49-54. | 1.9 | 67 |
| 2 | The Application of Multiple Linear Regression and Artificial Neural Network Models for Yield Prediction of Very Early Potato Cultivars before Harvest. Agronomy, 2021, 11, 885. | 1.3 | 59 |
| 3 | Neural prediction of heat loss in the pig manure composting process. Applied Thermal Engineering, 2013, 58, 650-655. | 3.0 | 51 |
| 4 | The effect of temperature, composition and phase of the composting process on the thermal conductivity of the substrate. Ecological Engineering, 2013, 61, 354-357. | 1.6 | 39 |
| 5 | Application of Artificial Neural Networks for Yield Modeling of Winter Rapeseed Based on Combined Quantitative and Qualitative Data. Agronomy, 2019, 9, 781. | 1.3 | 30 |
| 6 | THE IMPACT OF EXTRUSION ON THE BIOGAS AND BIOMETHANE YIELD OF PLANT SUBSTRATES. Journal of Ecological Engineering, 2016, 17, 264-272. | 0.5 | 26 |
| 7 | Functional polypropylene composites filled with ultra-fine magnesium hydroxide. Open Chemistry, 2015, 13, . | 1.0 | 25 |
| 8 | Possibilities of neural image analysis implementation in monitoring of microalgae production as a substrate for biogas plant. Proceedings of SPIE, 2012, , . | 0.8 | 24 |
| 9 | Use of Confectionery Waste in Biogas Production by the Anaerobic Digestion Process. Molecules, 2019, 24, 37. | 1.7 | 23 |
| 10 | The Efficiency of Industrial and Laboratory Anaerobic Digesters of Organic Substrates: The Use of the Biochemical Methane Potential Correction Coefficient. Energies, 2020, 13, 1280. | 1.6 | 22 |
| 11 | The selected examples of the application of computer image analysis in the assessment of environmental quality. Proceedings of SPIE, 2013, , . | 0.8 | 21 |
| 12 | Computer image analysis in the quality in procedure for selected carrot varieties. Proceedings of SPIE, 2013, , . | 0.8 | 21 |
| 13 | Treatment of dairy waste by anaerobic co-digestion with sewage sludge. Ecological Chemistry and Engineering S, 2016, 23, 99-115. | 0.3 | 20 |
| 14 | Utilization of vegetable dumplings waste from industrial production by anaerobic digestion. International Agrophysics, 2017, 31, 93-102. | 0.7 | 19 |
| 15 | Neural image analysis for estimating aerobic and anaerobic decomposition of organic matter based on the example of straw decomposition. Proceedings of SPIE, 2012, , . | 0.8 | 18 |
| 16 | Kraft Lignin Grafted with Polyvinylpyrrolidone as a Novel Microbial Carrier in Biogas Production. Energies, 2018, 11, 3246. | 1.6 | 18 |
| 17 | The Use of Lignin as a Microbial Carrier in the Co-Digestion of Cheese and Wafer Waste. Polymers, 2019, 11, 2073. | 2.0 | 18 |
| 18 | Energy Efficiency of Comminution and Extrusion of Maize Substrates Subjected to Methane Fermentation. Energies, 2020, 13, 1887. | 1.6 | 17 |

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|---|---------|-----|-----------|
| 19 | EVALUATION OF BIOMETHANE YIELDS FROM HIGH-ENERGY ORGANIC WASTE AND SEWAGE SLUDGE: A PILOT STUDY FOR A WASTEWATER TREATMENT PLANT. Environmental Engineering and Management Journal, 2019, 18, 2023-2034. | 0.2 | 17 |
| 20 | Use of artificial neural networks in the identification and classification of tomatoes. , 2013, , . | | 16 |
| 21 | Seeds of n-GM Soybean Varieties Cultivated in Poland and Their Processing Products as High-Protein Feeds in Cattle Nutrition. Agriculture (Switzerland), 2020, 10, 174. | 1.4 | 15 |
| 22 | Neural Classification of Compost Maturity by Means of the Self-Organising Feature Map Artificial Neural Network and Learning Vector Quantization Algorithm. International Journal of Environmental Research and Public Health, 2019, 16, 3294. | 1.2 | 14 |
| 23 | Cell Immobilization on Lignin–Polyvinylpyrrolidone Material for Anaerobic Digestion. Environmental Engineering Science, 2019, 36, 478-490. | 0.8 | 13 |
| 24 | A computer system supporting agricultural machinery and farm tractor purchase decisions. Heliyon, 2020, 6, e05039. | 1.4 | 11 |
| 25 | Silica/Lignin Carrier as a Factor Increasing the Process Performance and Genetic Diversity of Microbial Communities in Laboratory-Scale Anaerobic Digesters. Energies, 2021, 14, 4429. | 1.6 | 9 |
| 26 | Degree of Biomass Conversion in the Integrated Production of Bioethanol and Biogas. Energies, 2021, 14, 7763. | 1.6 | 8 |
| 27 | Eco-Friendly and Effective Diatomaceous Earth/Peat (DEP) Microbial Carriers in the Anaerobic Biodegradation of Food Waste Products. Energies, 2022, 15, 3442. | 1.6 | 8 |
| 28 | A Comparison of the Influence of Kraft Lignin and the Kraft Lignin/Silica System as Cell Carriers on the Stability and Efficiency of the Anaerobic Digestion Process. Energies, 2020, 13, 5803. | 1.6 | 6 |
| 29 | The Nutritional Value and Safety of Genetically Unmodified Soybeans and Soybean Feed Products in the Nutrition of Farm Animals. Agronomy, 2021, 11, 1105. | 1.3 | 6 |
| 30 | Neural Reduction of Image Data in Order to Determine the Quality of Malting Barley. Sensors, 2021, 21, 5696. | 2.1 | 6 |
| 31 | The Influence of the Process of Sugar Beet Storage on Its Biochemical Methane Potential. Energies, 2020, 13, 5104. | 1.6 | 5 |
| 32 | Image Analysis Methods in Classifying Selected Malting Barley Varieties by Neural Modelling. Agriculture (Switzerland), 2021, 11, 732. | 1.4 | 5 |
| 33 | Use of MgO to Promote the Oxyethylation Reaction of Lauryl Alcohol. Polish Journal of Chemical Technology, 2014, 16, 36-42. | 0.3 | 4 |
| 34 | A Comparison of Biomechanical Properties of Implant-Retained Overdenture Based on Precision Attachment Type. Materials, 2021, 14, 2598. | 1.3 | 4 |
| 35 | Application of Machine Learning Using Color and Texture Analysis to Recognize Microwave Vacuum Puffed Pork Snacks. Applied Sciences (Switzerland), 2022, 12, 5071. | 1.3 | 4 |
| 36 | The usefulness of sugar beets for biogas production in relations of the storage time and sugar content. E3S Web of Conferences, 2018, 44, 00114. | 0.2 | 3 |

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|---|---------|-----|-----------|
| 37 | The Effect of Liquid Slurry-Enhanced Corrosion on the Phase Composition of Selected Portland Cement Pastes. Materials, 2021, 14, 1707. | 1.3 | 3 |
| 38 | Studies on Cement Pastes Exposed to Water and Solutions of Biological Waste. Materials, 2022, 15, 1931. | 1.3 | 3 |
| 39 | Modelling the Interaction between Air Pollutant Emissions and Their Key Sources in Poland. Energies, 2021, 14, 6891. | 1.6 | 2 |
| 40 | Production efficiency of Poland farm-scale biogas plants: A case study. E3S Web of Conferences, 2020, 154, 02002. | 0.2 | 1 |
| 41 | Assessment of Contact Pressures between a Mandibular Overdenture and the Prosthodontic Area. Applied Sciences (Switzerland), 2021, 11, 4339. | 1.3 | 1 |