

Alexander Bauer

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

966
citations

687363

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580821

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docs citations

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times ranked

1229
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Spectral-Based Classification of Plant Species Groups and Functional Plant Parts in Managed Permanent Grassland. <i>Remote Sensing</i> , 2022, 14, 1154. | 4.0 | 5 |
| 2 | Hyperspectral-Based Classification of Managed Permanent Grassland with Multilayer Perceptrons: Influence of Spectral Band Count and Spectral Regions on Model Performance. <i>Agriculture (Switzerland)</i> , 2022, 12, 579. | 3.1 | 0 |
| 3 | Environmental life cycle assessment of nano-cellulose and biogas production from manure. <i>Journal of Environmental Management</i> , 2022, 314, 115093. | 7.8 | 12 |
| 4 | Comparison of a system expansion and allocation approach for the handling of multi-output processes in life cycle assessment – a case study for nano-cellulose and biogas production from elephant manure. <i>Bodenkultur</i> , 2022, 72, 113-121. | 0.2 | 0 |
| 5 | Excellence in Excrements: Upcycling of Herbivore Manure into Nanocellulose and Biogas. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15506-15513. | 6.7 | 12 |
| 6 | Life Cycle Assessment of Biogas Production from Unused Grassland Biomass Pretreated by Steam Explosion Using a System Expansion Method. <i>Sustainability</i> , 2020, 12, 9945. | 3.2 | 5 |
| 7 | Food wastes from hospitality sector as versatile bioresources for bio-products: an overview. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 955-964. | 3.0 | 4 |
| 8 | Utilization of Food and Agricultural Residues for a Flexible Biogas Production: Process Stability and Effects on Needed Biogas Storage Capacities. <i>Energies</i> , 2019, 12, 2678. | 3.1 | 11 |
| 9 | Influence of tillage depth of a cultivator on the incorporation of crop residues of winter barley in a chernozem soil. <i>Bodenkultur</i> , 2019, 70, 69-79. | 0.2 | 6 |
| 10 | Multicriteria Decision Model and Thermal Pretreatment of Hotel Food Waste for Robust Output to Biogas: Case Study from City of Jaipur, India. <i>BioMed Research International</i> , 2018, 2018, 1-13. | 1.9 | 15 |
| 11 | Corn stover for biogas production: Effect of steam explosion pretreatment on the gas yields and on the biodegradation kinetics of the primary structural compounds. <i>Bioresource Technology</i> , 2017, 244, 949-956. | 9.6 | 79 |
| 12 | Environmental hot spot analysis in agricultural life-cycle assessments – 1½ three case studies. <i>Journal of Central European Agriculture</i> , 2016, 17, 477-492. | 0.6 | 5 |
| 13 | Biogas production from reed biomass: Effect of pretreatment using different steam explosion conditions. <i>Biomass and Bioenergy</i> , 2016, 95, 84-91. | 5.7 | 82 |
| 14 | Environmental Effects of Steam Explosion Pretreatment on Biogas from Maize – Case Study of a 500-kW Austrian Biogas Facility. <i>Bioenergy Research</i> , 2016, 9, 198-207. | 3.9 | 13 |
| 15 | Steam explosion pretreatment of wheat straw to improve methane yields: Investigation of the degradation kinetics of structural compounds during anaerobic digestion. <i>Bioresource Technology</i> , 2015, 179, 299-305. | 9.6 | 88 |
| 16 | The effect of a combined biological and thermo-mechanical pretreatment of wheat straw on energy yields in coupled ethanol and methane generation. <i>Bioresource Technology</i> , 2015, 194, 7-13. | 9.6 | 28 |
| 17 | 2nd International Conference Biogas Science 2014, Vienna, Austria. <i>Energy & Fuels</i> , 2015, 29, 4003-4004. | 5.1 | 0 |
| 18 | Potential Analysis of Agro-Municipal Residues as a Source of Renewable Energy. <i>Bioenergy Research</i> , 2015, 8, 1449-1456. | 3.9 | 2 |

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|----|---|-----|-----------|
| 19 | Effects of the Antibiotics Chlortetracycline and Enrofloxacin on the Anaerobic Digestion in Continuous Experiments. Bioenergy Research, 2014, 7, 1244-1252. | 3.9 | 24 |
| 20 | Microfibrillated cellulose and cellulose nanopaper from Miscanthus biogas production residue. Cellulose, 2014, 21, 1601-1610. | 4.9 | 16 |
| 21 | Steam explosion pretreatment for enhancing biogas production of late harvested hay. Bioresource Technology, 2014, 166, 403-410. | 9.6 | 98 |
| 22 | Biogas Production from Steam-Exploded Miscanthus and Utilization of Biogas Energy and CO ₂ in Greenhouses. Bioenergy Research, 2013, 6, 620-630. | 3.9 | 60 |
| 23 | Potential of different Sorghum bicolor (L. moench) varieties for combined ethanol and biogas production in the Pannonian climate of Austria. Energy, 2013, 55, 107-113. | 8.8 | 17 |
| 24 | Utilization of by-products from ethanol production as substrate for biogas production. Bioresource Technology, 2011, 102, 6621-6624. | 9.6 | 44 |
| 25 | Analysis of methane yields from energy crops and agricultural by-products and estimation of energy potential from sustainable crop rotation systems in EU-27. Clean Technologies and Environmental Policy, 2010, 12, 153-161. | 4.1 | 95 |
| 26 | Detailed monitoring of two biogas plants and mechanical solid-liquid separation of fermentation residues. Journal of Biotechnology, 2009, 142, 56-63. | 3.8 | 103 |
| 27 | Analysis of methane potentials of steam-exploded wheat straw and estimation of energy yields of combined ethanol and methane production. Journal of Biotechnology, 2009, 142, 50-55. | 3.8 | 141 |