

Literatur zum Artikel „Bioraffinerien auf landwirtschaftlichen Betrieben – Einkommensbaustein und Möglichkeit zur vollständigen Verwertung von Biomasse“ von Andrea Kruse

- Alhnmidi, M.-J.; Straten, J. W.; Nicolae, S. A.; Hoffmann, V.; Titirici, M.-M.; Kruse, A. (2021): Thermal treatment versus hydrothermal carbonization: How to synthesize nitrogen-enriched carbon materials for energy storage applications? In: *Int J Energy Res*, Artikel er.7275. DOI: 10.1002/er.7275.
- Becker, G. C.; Wüst, D.; Köhler, H.; Lautenbach, A.; Kruse, A. (2019): Novel approach of phosphate-reclamation as struvite from sewage sludge by utilising hydrothermal carbonization. In: *Journal of Environmental Management* 238: 119–125. DOI: 10.1016/j.jenvman.2019.02.121.
- Cao, Z.; Jung, D.; Olszewski, M. P.; Arauzo, P. J.; Kruse, A. (2019): Hydrothermal carbonization of biogas digestate: Effect of digestate origin and process conditions. In: *Waste Management* 100: 138–150. DOI: 10.1016/j.wasman.2019.09.009.
- Correa, C. R.; Kruse, A. (2018): Biobased functional carbon materials: Production, characterization, and applications-A review. In: *Materials* 11 (9). DOI: 10.3390/ma11091568.
- Dolega, P.; Buchert, M.; Betz, J. (2020): Ökologische und sozio-ökonomische Herausforderungen in BatterieLieferketten: Graphit und Lithium. Hg. v. Oeko-Institut. Darmstadt. Online verfügbar unter <https://www.oeko.de/publikationen/p-details/oekologische-und-sozio-oekonomische-herausforderungen-in-batterie-lieferketten-graphit-und-lithium>.
- Götz, M.; Rudi, A.; Heck, R.; Schultmann, F.; Kruse, A. (2022): Processing Miscanthus to high-value chemicals: A techno-economic analysis based on process simulation. In: *GCB Bioenergy* 14 (4): 447–462. DOI: 10.1111/gcbb.12923.
- Hoffmann, V.; Jung, D.; Zimmermann, J.; Correa, C. R.; Elleuch, A.; Halouani, K.; Kruse, A. (2019): Conductive carbon materials from the hydrothermal carbonization of vineyard residues for the application in electrochemical double-layer capacitors (EDLCs) and direct carbon fuel cells (DCFCs). In: *Materials* 12 (10). DOI: 10.3390/MA12101703.
- Hoffmann, V.; Olszewski, M. P.; Swiatek, K. M.; Musa, B.; Gimeno, P.J.A.; Correa, C. R.; Kruse, A. (2020): Bio-based electric devices. In: *Biobased Products and Industries*: 311–355. Online verfügbar unter <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092684514&doi=10.1016%2fB978-0-12-818493-6.00009-9&partnerID=40&md5=02e5f686b050f08e6a709fe4262e9e42>.
- Musa, B.; Tariq, M.; Straten, J. W.; Wüst, D.; Ajikashile, J. O.; Kruse, A. (2021): Pyrolysis of Corncobs to Produce Biobased Conductive Materials as Electrodes for Potential Application in Microbial Fuel Cells (MFCs). In: *International Journal of Renewable Energy Research* 11 (3): 1430–1440. DOI: 10.20508/IJRER.V11I3.12312.G8285.
- Rodriguez Correa, C.; Bernardo, M.; Ribeiro, R.P.P.L.; Esteves, I.A.A.C.; Kruse, A. (2017): Evaluation of hydrothermal carbonization as a preliminary step for the production of functional materials from biogas digestate. In: *Journal of Analytical and Applied Pyrolysis* 124: 461–474. DOI: 10.1016/j.jaap.2017.02.014.
- Rodríguez Correa, C.; Ngamying, C.; Klank, D.; Kruse, A. (2018): Investigation of the textural and adsorption properties of activated carbon from HTC and pyrolysis carbonizates. In: *Biomass Conversion and Biorefinery* 8 (2): 317–328. DOI: 10.1007/s13399-017-0280-8.
- Santamaría-Fernández, M.; Molinuevo-Salces, B.; Kiel, P.; Steinfeldt, S.; Uellendahl, H.; Lübeck, M. (2017): Lactic acid fermentation for refining proteins from green crops and obtaining a high quality feed product for monogastric animals. In: *Journal of Cleaner Production* 162: 875–881. DOI: 10.1016/j.jclepro.2017.06.115.
- Santamaría-Fernández, M.; Molinuevo-Salces, B.; Lübeck, M.; Uellendahl, H. (2018): Biogas potential of green biomass after protein extraction in an organic biorefinery concept for feed, fuel and fertilizer production. In: *Renewable Energy* 129: 769–775. DOI: 10.1016/j.renene.2017.03.012.
- Santamaría-Fernández, M. und Lübeck, M. (2020): Production of leaf protein concentrates in green biorefineries as alternative feed for monogastric animals. In: *Animal Feed Science and Technology* 268: 114605. DOI: 10.1016/j.anifeedsci.2020.114605.
- Statistisches Bundesamt (2023): https://www.destatis.de/DE/Themen/Branchen-Unternehmen/Landwirtschaft-Forstwirtschaft-Fischerei/Feldfruechte-Gruenland/_inhalt.html.
- Zhang, T.; He, X.; Deng, Y.; Tsang, D.C.W.; Jiang, R.; Becker, G. C.; Kruse, A. (2020): Phosphorus recovered from digestate by hydrothermal processes with struvite crystallization and its potential as a fertilizer. In: *Science of the Total Environment* 698. DOI: 10.1016/j.scitotenv.2019.134240.