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Publications

Articles:

2021

- [93] F. Herold, S. Prosch, N. Oefner, K. Brunnengräber, O. Leubner, Y. Hermans, K. Hofmann, A. Drochner, J.P. Hofmann, W. Qi and B.J.M. Etzold “Nanoscale Hybrid Amorphous/Graphitic Carbon as Key Towards Next-Generation Carbon-based Oxidative Dehydrogenation Catalyst”. *Angew. Chem. Int. Ed.*, accepted.
- [92] H. Christians, K. Brunnengräber, J. Gläsel and B.J.M. Etzold “Mesoporous and Crystalline Carbide-Derived Carbons: Towards a General Correlation on Synthesis Temperature and Precursor Structure Influence”. *Carbon*, accepted.
- [91] F. Herold, O. Leubner, K. Jeschonek, C. Hess, A. Drochner, W. Qi and B.J.M. Etzold “Methodology for the Identification of Carbonyl Absorption Maxima of Carbon Surface Oxides in Diffuse Reflectance Infrared Spectra”. *Carbon Trends*, 3, 100020 (2021).

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- [84] D. Kot, M Zou, K. Brunnengräber, J.-H. Arndt, T. Macko; B.J.M. Etzold and R. Brüll "Porous graphite as stationary phase for the chromatographic separation of polymer additives – determination of adsorption capability by Raman spectroscopy and physisorption". *J- Chromatogr. A*, **1625**, 461302 (2020).
- [83] S. Knoche, M. Heid, N. Gora, D. Ohlig, A. Drochner, B.J.M. Etzold and H. Vogel "Mechanistic Study on the Selective Oxidation of Acrolein to Acrylic Acid concerning the Role of Water". *ChemCatChem*, **12**, 1-17 (2020).
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- B.J.M. Etzold “Chemical engineering in materials synthesis: New carbon materials for a renewable energy scenario” *5th Japanese-German Symposium on Carbon Materials* in Freiberg (2015). **plenary lecture**
- A.V. Kirilin, B. Hasse, A.V. Tokarev, L.M. Kustov, G.N. Baeva, G.O. Bragina, A.Y. Stakheev, A.-R. Rautio, T. Salmi, B.J.M. Etzold, J.-P. Mikkola and D.Y. Murzin, “Carbon supported catalysts for the aqueous phase reforming” *4th Japanese-German Symposium on Carbon Materials* in Hokkaido (2014).
- B. Hasse, J. Gläsel, F. Reißner, P. Hausmann, C. Dicenta and B.J.M. Etzold, “Catalytic Application of Nanoporous Carbon Materials” *6th Forum on New Materials* in Montecatini Terme (2014).
- B.J.M. Etzold, “Synthesis and application of advanced carbon materials based on carbide-derived carbons (CDC)” *National Conference on Carbon Materials* in Mumbai (2012). **plenary lecture**
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