

List of Publications Claudia Weidenthaler

2018

Tseng, J.C.; Gu, D.; Pistidda, C.; Horstmann, C.; Dornheim, M.; Ternieden, J.; Weidenthaler, C.

Tracking the active catalyst for iron-based ammonia decomposition by in situ synchrotron diffraction studies.

ChemCatChem., 10, 4465-4472.

DOI 10.1002/cctc.201800398

Dodekatos, G.; Ternieden, J.; Schünemann, S.; Weidenthaler, C.; Tueysuez, H.

Promoting effect of solvent on Cu/CoO catalyst for selective glycerol oxidation under alkaline conditions.

Catal. Sci. Technol., 8, 4891-4899.

DOI 10.1039/c8cy01284a

Ortatatli, S.; Knossalla, J.; Schüth, F.; Weidenthaler, C.

Monitoring the formation of PtNi nanoalloys supported on hollow graphitic spheres using in situ pair distribution function analysis

Phys.Chem.-Chem.Phys., 20(13), 8466-8474.

DOI 10.1039/c7cp07840d

Beine, A.K.; Kruger, A.J.D.; Artz, J.; Weidenthaler, C.; Glotzbach, C.; Hausoul, P.J.C.; Palkovits, R.

Selective production of glycols from xylitol over Ru on covalent triazine frameworks - suppressing decarbonylation reactions

Green Chemistry, 20(6) 1316-1322.

DOI 10.1039/c8gc00208h

Weidenthaler, C.; Felderhoff, M.; Bernert, T.; Sorby, M.H.; Hauback, B.C.; Krech, D.

Synthesis, Crystal Structure Analysis and Decomposition of RbAlH₄

CRYSTALS, 8(2), 103.

DOI 10.3390/cryst8020103

2017

Rein, D.; Ortega, K.F.; Weidenthaler, C.; Bill, E.; Behrens, M.

The roles of Co-precipitation pH, phase-purity and alloy formation for the ammonia decomposition activity of Ga-promoted Fe/MgO catalysts

Appl. Catal A, 548, 52-16.

DOI 10.1016/j.apcata.2017.09.004

Deng, X.H.; Rin, R.; Tseng, J.C.; Weidenthaler, C.; Apfel, U.P.; Tueysuez, H.

Monodispersed Mesoporous Silica Spheres Supported Co₃O₄ as Robust Catalyst for Oxygen Evolution Reaction

ChemCatChem., 9(22), 4238-4243.

DOI 10.1002/cctc.201701001

Deng, X.H.; Ozturk, S.; Weidenthaler, C.; Tueysuez, H.

Iron-Induced Activation of Ordered Mesoporous Nickel Cobalt Oxide Electrocatalyst for the Oxygen Evolution Reaction

ACS Appl. Mater. Interfaces, 9(25), 21225-21233.

DOI 10.1021/acsami.7b02571

Marzun, G., Bönnemann, H., Lehmann, C., Spliethoff, B., Weidenthaler C., Barcikowski, S.
Role of dissolved and molecular oxygen on Cu and PtCu alloy particle structures during laser ablation synthesis in liquids.

Chem.Phys.Chem. DOI: 10.1002/cphc 201601315

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Rodriguez, PM., Priyadarshani, N., Dutta, A., Weidenthaler, C., Lubitz, W., Shaw, W.J., Rüdiger, O.

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Ley, M.B., Bernert, T., Ruiz-Fuertes, J., Goddard, R., Fares, C., Weidenthaler, C., Felderhoff, M.

The plastic crystalline A15 phase of dimethylaminoalane, [N(CH₃)₂-AlH₂]₃.

Chem. Commun., 52, 11649-11652.

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Bernert, T., Ley, M. B., Ruiz-Fuertes, J., Fischer, M., Felderhoff, M., Weidenthaler, C.*
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Differences between the adsorption of NO₂ and NO on modified activated carbon.
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Tagliazucca, V.; Leoni, M.; Weidenthaler, C.*
Crystal structure and microstructural changes of molybdenum nitrides traces during catalytic reaction by in situ X-ray diffraction studies.
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