

Full list of publications: Dr. Axel Knop-Gericke

2022

- Arrigo, R., Blume, R., Large, A. I., Velasco-Vélez, J. J., Hävecker, M., Knop-Gericke, A., & Held, G. (2022). Dynamics over a Cu-graphite electrode during the gas-phase CO₂ reduction investigated by APXPS. *Faraday Discussions*, 236, 126–140. <https://doi.org/10.1039/d1fd00121c>
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- Codeço, C. F. S., Klyushin, A. Y., Carbonio, E. A., Knop-Gericke, A., Schlögl, R., Jones, T., & Rocha, T. C. R. (2022). Insights into the electronic structure of hydroxyl on Ag(110) under near ambient conditions. *Physical Chemistry Chemical Physics*, 24(15), 8832–8838. <https://doi.org/10.1039/d1cp02929k>
- Javed, H., Knop-Gericke, A., & Mom, R. V. (2022). Structural Model for Transient Pt Oxidation during Fuel Cell Start-up Using Electrochemical X-ray Photoelectron Spectroscopy. *ACS Applied Materials and Interfaces*, 14(31), 36238–36245. <https://doi.org/10.1021/acscami.2c09249>
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- Mom, Rik V, Falling, L. J., Kasian, O., Algara-Siller, G., Teschner, D., Crabtree, R. H., Knop-Gericke, A., Mayrhofer, K. J. J., Velasco-Vélez, J.-J., & Jones, T. E. (2022). Operando Structure–Activity–Stability Relationship of Iridium Oxides during the Oxygen Evolution Reaction. *ACS Catalysis*, 12(9), 5174–5184. <https://doi.org/10.1021/acscatal.1c05951>
- Panafidin, M. A., Bukhtiyarov, A. V., Prosvirin, I. P., Chetyrin, I. A., Yu Klyushin, A., Knop-Gericke, A., Smirnova, N. S., Markov, P. V, Mashkovsky, I. S., Zubavichus, Y. V, Stakheev, A. Y., & Bukhtiyarov, V. I. (2022). A mild post-synthesis oxidative treatment of Pd-In/HOPG bimetallic catalysts as a tool of their surface structure fine tuning. *Applied Surface Science*, 571. <https://doi.org/10.1016/j.apsusc.2021.151350>
- Righi, G., Plescher, J., Schmidt, F.-P., Campen, R. K., Fabris, S., Knop-Gericke, A., Schlögl, R., Jones, T. E., Teschner, D., & Piccinin, S. (2022). On the origin of multihole oxygen evolution in hematite photoanodes. *Nature Catalysis*, 5(10), 888–899. <https://doi.org/10.1038/s41929-022-00845-9>
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- Wang, H., Ogolla, C. O., Panchal, G., Hepp, M., Delacroix, S., Cruz, D., Kojda, D., Ciston, J., Ophus, C., Knop-Gericke, A., Habicht, K., Butz, B., & Strauss, V. (2022). Flexible CO₂ Sensor Architecture with Selective Nitrogen Functionalities by One-Step Laser-Induced Conversion of Versatile Organic Ink. *Advanced Functional Materials*, 32(51). <https://doi.org/10.1002/adfm.202207406>

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