

## List of publications: Prof. Dr. Robert Schlögl

### 2020

- Spanos, I., Masa, J., Zeradjanin, A., **Schlögl, R.** (2020). The Effect of Iron Impurities on Transition Metal Catalysts for the Oxygen Evolution Reaction in Alkaline Environment: Activity Mediators or Active Sites? *Catalysis Letters* <https://doi.org/10.1007/s10562-020-03478-4>
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- Ruiz Esquius, J., Algara-Siller, G., Spanos, I., Freakley, S.J., **Schlögl, R.**, Hutchings, G.J. (2020). Preparation of Solid Solution and Layered  $\text{IrO}_x\text{-Ni(OH)}_2$  Oxygen Evolution Catalysts: Toward Optimizing Iridium Efficiency for OER *ACS Catalysis* 10(24), 14640-14648. <https://doi.org/10.1021/acscatal.0c03866>
- Boniface, M., Plodinec, M., **Schlögl, R.**, Lunkenbein, T. (2020). Quo Vadis Micro-Electro-Mechanical Systems for the Study of Heterogeneous Catalysts Inside the Electron Microscope? *Topics in Catalysis* 63(15-18), 1623-1643. <https://doi.org/10.1007/s11244-020-01398-6>
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- Barrios Jiménez, A.M., Burkhardt, U., Cardoso-Gil, R., Höfer, K., Altendorf, S.G., **Schlögl, R.**, Grin, Y., Antonyshyn, I. (2020).  $\text{Hf}_2\text{B}_2\text{Ir}_5$ : A Self-Optimizing Catalyst for the Oxygen Evolution Reaction *ACS Applied Energy Materials* 3(11), 11042-11052. <https://doi.org/10.1021/acsaem.0c02022>
- **Schlögl, R.** (2020). Mobilität  $\text{CO}_2$  neutral? *Bunsen-Magazin* 4, 74-78. [https://bunsen.de/fileadmin/user\\_upload/media/Aspekte-Artikel/Aspekte\\_Schloegl.pdf](https://bunsen.de/fileadmin/user_upload/media/Aspekte-Artikel/Aspekte_Schloegl.pdf)
- Masliuk, L., Schmidt, F.-P., Hetaba, W., Plodinec, M., Auffermann, G., Hermann, K., Teschner, D., Girgsdies, F., Trunschke, A., **Schlögl, R.**, Lunkenbein, T. (2020). Compositional Decoupling of Bulk and Surface in Open-Structured Complex Mixed Oxides *The Journal of Physical Chemistry C* 124(42), 23069-23077. <https://doi.org/10.1021/acs.jpcc.0c04777>
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