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Understanding and control of the metallic state in epitaxial NdNiO₃

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List of publications

1. **Qikai Guo, Saeedeh Farokhipoor, César Magén, Francisco Rivadulla Beatriz Noheda et al., Tunable resistivity exponents in the metallic phase of epitaxial nickelates.**
Nature Communications 11.1 (2020): 1-9
2. **Qikai Guo, Beatriz Noheda. From hidden metal-insulator transition to Planckian metal by tuning disorder in a nickelate.**
npj Quantum Materials (in press)
3. **Qikai Guo, César Magén, Beatriz Noheda. Towards a unified description of metallic transport.**
In preparation
4. **Qikai Guo, César Magén, Beatriz Noheda. Modulation of the metal-insulator transition in epitaxial nickelates.**
In preparation
5. **Nukala, Pavan, Yingfen wei, Vincent de Haas, Qikai Guo, et al. Guidelines for the stabilization of a polar rhombohedral phase in epitaxial Hf_{0.5}Zr_{0.5}O₂ thin films.**
Ferroelectrics, 569.1 (2020): 148-163.
6. **Qikai Guo, Qingzhong Xue, et al. Excellent dielectric properties of PVDF-based composites filled with carbonized PAN/PEG copolymer fibers.** *Composites Part A: Applied Science and Manufacturing*, 2016, 87: 46-53
7. **Qikai Guo, Qingzhong Xue, et al., Gigantic Enhancement in Dielectric Properties of Polymer-based Composites Using Core/Shell MWCNT/Amorphous Carbon Nanohybrid.**
Nanoscale, 2015, 7(8): 3660-3667

