

Publication list
Hendrik Bluhm

Articles and book contributions:

- 1) M. Andrä, R. Dittmann, H. Bluhm, C.M. Schneider, R. Waser, D. N. Mueller, F. Gunkel, *Chemical control of the electrical surface properties in donor-doped transition metal oxides*, to accepted for publication, Phys. Rev. Mat. (2019).
- 2) J.L. White, A.J.E. Rowberg, L.F. Wan, S.Y. Kang, T. Ogitsu, R.D. Kolasinski, J.A. Whaley, A.A. Baker, J.R.I. Lee, Y.-S. Liu, L. Trotochaud, J. Guo, V. Stavila, D. Prendergast, H. Bluhm, M.D. Allendorf, B.C. Wood, F. El Gabaly, *Role of Dynamic Surface Hydroxides in the Dehydrogenation of Ti doped NaAlH₄*, ACS Appl. Mater. Interfaces (2019). DOI: 10.1021/acsami.8b17650
- 3) F. Roth, S. Nepl, A. Shavorskiy, T. Arion, J. Mahl, H.O. Seo, H. Bluhm, Z. Hussain, O. Gessner, W. Eberhardt, *Efficient Charge Generation from Triplet Excitons in Metal-Organic Heterojunctions*, Phys. Rev. B **99**, 020303(R) (2019). DOI: 10.1103/PhysRevB.99.020303
- 4) L. Trotochaud, A.R. Head, Y. Yu, O. Karslıoğlu, Ch. Büchner, R. Tsyshevsky, S. Holdren, B. Eichhorn, H. Bluhm, *Autocatalytic Decomposition of Dimethyl Methylphosphonate on Cuprous Oxide Yields Atomic Phosphorus at Room Temperature*, Surf. Sci. **680**, 75-87 (2019). DOI 10.1016/j.susc.2018.10.003
- 5) O. Karslıoğlu, M. Gehlmann, J. Müller, S. Nemšák, J. Sethian, A. Kaduwela, H. Bluhm, C.S. Fadley, *An Efficient Algorithm for Automatic Structure Optimization in X ray Standing-Wave Experiments*, J. El. Spectrosc. Rel. Phenom. **230**, 10-20 (2019). DOI 10.1016/j.elspec.2018.10.006
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- 7) M. Favaro, R. Uecker, S. Nappini, I. Piš, E. Magnano, H. Bluhm, R. van de Krol, D.E. Starr, *Chemical, Structural and Electronic Characterization of the (010) Surface of Single Crystalline Bismuth Vanadate*, J. Phys. Chem. C (2018). DOI 10.1021/acs.jpcc.8b09016
- 8) A.R. Head, L. Trotochaud, R. Tsyshevsky, K. Fears, B. Eichhorn, M.M. Kuklja, H. Bluhm, *Coupling Ambient Pressure X-ray Photoelectron Spectroscopy with Density Functional Theory to Study Complex Surface Chemistry and Catalysis*, Topics in Catalysis **61**, 2175-2184 (2018), DOI 10.1007/s11244-018-1062-7.
- 9) A. Cassidy, S. Pederson, H. Bluhm, V. Calisti, T. Angot, E. Salomon, R. Bisson, L. Hornekær, *Patterned formation of enolate functional groups on the graphene basal plane*, Phys. Chem. Chem. Phys. (2018). DOI 10.1039/c8cp05730c.
- 10) C.M. Yim, J. Chen, Y. Zhang, B.-J. Shaw, C.L. Pang, D.C. Grinter, H. Bluhm, M. Salmeron, Ch.A. Muryn, A. Michaelides, G. Thornton, *Visualization of adsorbate-induced surface segregation of polarons*, J. Chem. Phys. Lett. **9**, 4865-4871 (2018). DOI 10.1021/acs.jpcclett.8b01904
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- 16) O. Karslioglu, L. Trotochaud, I. Zegkinoglou, H. Bluhm, *X-Ray Spectroscopic Characterization of BaO , $Ba(OH)_2$, $BaCO_3$, and $Ba(NO_3)_2$* , *J. Electr. Spectrosc. Rel. Phenom.* **225**, 55-61 (2018). DOI 10.1016/j.elspec.2018.03.008
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- 19) Ch. Lenser, Q. Lu, E. Crumlin, H. Bluhm, B. Yildiz, *Charge-transfer across oxide interfaces probed by x-ray photoelectron and absorption spectroscopy*, *J. Phys. Chem. C* **122**, 4841-4848 (2018). DOI 10.1021/acs.jpcc.7b10284
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