

List of Publications

Martin Sterrer

- (113) A. Werkovits, S. Hollweger, M. Niederreiter, T. Risse, J. J. Cartus, M. Sterrer, S. Matera, O. T. Hofmann
Kinetic trapping of charge-transfer molecules at metal interfaces.
The Journal of Physical Chemistry C, 2024, 128, 3082-3089. <https://doi.org/10.1021/acs.jpcc.3c08262>
- (112) M. Niederreiter, J. Cartus, A. Werkovits, O. T. Hofmann, T. Risse, M. Sterrer
Interplay of adsorption geometry and work function evolution at the TCNE/Cu(111) interface.
The Journal of Physical Chemistry C, 2023, 127, 24266-24273. <https://doi.org/10.1021/acs.jpcc.3c06422>
- (111) T. G. Boné, A. Windischbacher, L. Scheucher, F. Presel, P. Schnabl, M. S. Wagner, H. F. Bettinger, H. Peisert, T. Chassé, P. Puschnig, M. G. Ramsey, M. Sterrer, G. Koller
Orientation, electronic decoupling and band dispersion of heptacene on modified and nanopatterned copper surfaces.
Journal of Physics-Condensed Matter 2023, 35, 475003. <https://doi.org/10.1088/1361-648X/acf105>
- (110) H. Fitzek, M. Sterrer, D. Knez, H. Schranger, A. Sarapulova, S. Dsoke, H. Schroettner, G. Kothleitner, B. Gollas, Q. Abbas
Impact of Iodine Electrodeposition on Nanoporous Carbon Electrode Determined by EQCM, XPS and In Situ Raman Spectroscopy.
Nanomaterials, 2023, 13, 1545. <https://doi.org/10.3390/nano13091545>
- (109) D. Moser, P. Materna, A. Stark, J. Lammer, A. Csík, J. M. Abdou, R. Dorner, M. Sterrer, W. Goessler, G. Kothleitner, B. Gollas
Corrosion of passive aluminum anodes in a chloroaluminate deep eutectic solvent for secondary batteries — the bad, the good, and the ugly.
ACS Appl. Mater. Interfaces, 2023, 15, 882-892; <https://doi.org/10.1021/acsami.2c16153>
- (108) F. Presel, C. S. Kern, T. G. Boné, F. Schwarz, P. Puschnig, M. G. Ramsey, M. Sterrer
Charge and adsorption height dependence of the self-metalation of porphyrins on ultrathin MgO(001) films.
Phys. Chem. Chem. Phys. 2022, 24, 28540–28547; <https://doi.org/10.1039/D2CP04688A>
- (107) P. Hurdax, C. S. Kern, T. G. Boné, A. Haags, M. Hollerer, L. Egger, X. Yang, H. Kirschner, A. Gottwald, M. Richter, F. C. Bocquet, S. Soubatch, G. Koller, F. S. Tautz, M. Sterrer, P. Puschnig, M. G. Ramsey
Large distortion of fused aromatics on dielectric interlayers quantified by photoemission orbital tomography.
ACS Nano, 2022, 16, 17435–17443; <https://doi.org/10.1021/acsnano.2c08631>
- (106) F. Schwarz, S. Pomp, P. Seidel, X. Li, J. Paier, M. Sterrer
Hydrogen bond-stabilized high density catechol monolayer on magnetite Fe₃O₄(111).
Surface Science, 2022, 719, 1220267. <https://doi.org/10.1016/j.susc.2022.122027>
- (105) S. Hofer, A. Hofer, J. Simbrunner, M. Ramsey, M. Sterrer, A. Sanzone, L. Beverina, Y. Geerts, R. Resel
A phase transition towards a thermodynamically less stable phase: cross nucleation due to thin film growth of a benzothieno-benzothiophene derivative.
The Jorunal of Physical Chemistry C, 2021, 125, 28039-28047. <https://doi.org/10.1021/acs.jpcc.1c06610>
- (104) T. G. Boné, A. Windischbacher, M. S. Sättele, K. Greulich, L. Egger, T. Jauk, F. Lackner, H. F. Bettinger, H. Peisert, T. Chassé, M. G. Ramsey, M. Sterrer, G. Koller, P. Puschnig
Demonstrating the impact of adsorbate orientation on the charge transfer at organic-metal interfaces.
The Jorunal of Physical Chemistry C, 2021, 125, 9129-9137. <https://doi.org/10.1021/acs.jpcc.1c01306>
- (103) L. Egger, M. Hollerer, C. Kern, H. Herrmann, P. Hurdax, A. Haags, X. Yang, A. Gottwald, M. Richter, S. Soubatch, F. S. Tautz, G. Koller, P. Puschnig, M. G. Ramsey, M. Sterrer
Charge-promoted self-metalation of porphyrins on an oxide surface.
Angew. Chem. Int. Ed., 2021, 60, 5078-5082. <https://doi.org/10.1002/anie.202015187>.

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Controlling the electronic and physical coupling on dielectric thin films.
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Controlling the charge transfer across dielectric interlayers.
Advanced Materials Interfaces, **2020**, *7*, 200592. <https://doi.org/10.1002/admi.202000592>
- (100) A. Ghalgaoui, M. Sterrer
Direct spectroscopic observation of cyanide-induced restructuring of Pt at the solid-liquid interface.
The Journal of Physical Chemistry C, **2020**, *124*, 4190–4195. <https://doi.org/10.1021/acs.jpcc.0c00382>
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Bonding and thermal stability of cysteine on single-crystalline iron oxide surfaces and Pt(111).
Journal of Chemical Physics, **2020**, *152*, 064701. <https://doi.org/10.1063/1.5143416>
- (98) H.-J. Freund, M. Heyde, H. Kuhlenbeck, N. Nilius, T. Risse, T. Schmidt, S. Shaikhutdinov, M. Sterrer
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Science China Chemistry, **2020**, *63*, 426–447. <https://doi.org/10.1007/s11426-019-9671-0>
- (97) H. Herrmann, P. Hlawenka, K. Siemensmeyer, E. Weschke, J. Sánchez-Barriga, A. Varykhalov, N. Y. Shitsevalova, A. V. Dukhnenko, V. B. Filipov, S. Gabáni, K. Flachbart, O. Rader, M. Sterrer, E. D. L. Rienks
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Advanced Materials, **2020**, *32*, 1906725. <https://doi.org/10.1002/adma.201906725>
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- (92) H.-J. Freund, M. Heyde, H. Kuhlenbeck, N. Nilius, T. Risse, S. Schauermann, T. Schmidt, S. Shaikhutdinov, M. Sterrer
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- (91) S. Dürrbeck, M. Hollerer, C. W. Thurner, J. Redinger, M. Sterrer, E. Bertel
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