

List of publications

• Papers in refereed journals and proceedings

1. M. Lewandowski, I. M. N. Groot, Z.-H. Qin, T. Ossowski, T. Pabisiak, A. Kiejna, A. Pavlovska, S. Shaikhutdinov, H.-J. Freund, E. Bauer, *Nanoscale Patterns on Polar Oxide Surfaces*, *Chemistry of Materials* **28**, 7433 - 7443 (2016).
2. R. L. H. Freire, A. Kiejna, J. L. F. Da Silva, *Adsorption Properties of Water and Ethanol on Defected and Strained Transition-Metal Surfaces*, *Physical Chemistry Chemical Physics* **18**, 29526 - 29536 (2016).
3. Y. Seminovski, P. Tereshchuk, A. Kiejna, J. L. F. Da Silva, *The Role of the Cationic Pt Sites in the Adsorption Properties of Water and Ethanol on the Pt₄/Pt(111) and Pt₄/CeO₂(111) Substrates: A Density Functional Theory Investigation*, *Journal of Chemical Physics* **145**, 124709 (2016) 1-10.
4. T. Pabisiak, M. J. Winiarski, T. Ossowski, A. Kiejna, *Adsorption of gold subnano-structures on magnetite (111) surface and their interaction with CO*, *Physical Chemistry Chemical Physics* **18**, 18169-18179 (2016).
5. K. Freindl, T. Ossowski, M. Zając, N. Spiridis, D. Wilgocka-Ślęzak, E. Madej, T. Giela, A. Kiejna, J. Korecki, *Oxygen Adsorption on the Fe(110) Surface: the Old System - New Structures*, *Journal of Physical Chemistry C* **120**, 3807-3813 (2016).
6. T. Pabisiak, M. J. Winiarski, A. Kiejna, *CO adsorption on small Au_n (n = 1-4) structures supported on hematite: II. Adsorption on the O-rich termination of α-Fe₂O₃(0001) surface*, *Journal of Chemical Physics* **144**, 044705 (2016) 1-10.
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8. D. Wiśnios, A. Kiejna, J. Korecki, *First principles study of the adsorption of MgO molecules on a clean Fe(001) surface*, *Physical Review B* **92**, 155425 (2015) 1-8.
9. R. L. H. Freire, A. Kiejna, J. L. F. Da Silva, *Correction to "Adsorption of Rh, Pd, Ir, and Pt on the Au(111) and Cu(111) Surfaces: A Density Functional Theory Investigation"*, *Journal of Physical Chemistry C* **119**, 21744-21744 (2015).
10. P. Tereshchuk, R. L. H. Freire, C. G. Ungureanu, Y. Seminovski, A. Kiejna, J. L. F. Da Silva, *The Role of Charge Transfer in the Oxidation State Change of Ce Atoms in the TM₁₃/CeO₂(111) systems (TM = Pd, Ag, Pt, Au): A DFT+U Investigation*, *Physical Chemistry Chemical Physics* **17**, 13520-13530 (2015).
11. T. Ossowski, A. Kiejna, *Oxygen adsorption on Fe(110) surface revisited*, *Surface Science* **637-638**, 35-41 (2015).

12. T. Pabisiak, A. Kiejna,
Fe adsorption on hematite (α -Fe₂O₃) (0001) and magnetite (Fe₃O₄) (111) surfaces,
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13. R. L. H. Freire, A. Kiejna, J. L. F. Da Silva,
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• Books

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• Popularizing and history of physics papers

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