

List of publications

1. Tomasz Ossowski, Juarez L. F. Da Silva, Adam Kiejna, *Water adsorption on the stoichiometric and defected Fe(110) surfaces*, Surface Science 668 (2018) 144.
2. Kiejna A., Ossowski T. 2018, Water adsorption on iron surfaces, Water Adsorption on bcc Iron Surfaces. In: Wandelt, K., (Ed.) Encyclopedia of Interfacial Chemistry: Surface Science and Electrochemistry, vol. 2, pp 298–303.
3. Elwira Wachowicz, Tomasz Ossowski, Adam Kiejna, *DFT study of stepped 4H-SiC0001 surfaces*, Applied Surface Science 420 (2017) 129.
4. Kinga Freindl, Tomasz Ossowski, Marcin Zając, Nika Spiridis, Dorota Wilgocka-Ślęzak, Ewa Madej, Tomasz Giela, Adam Kiejna, Józef Korecki, *Oxygen Adsorption on the Fe(110) Surface: The Old System – New Structures*, The Journal Of Physical Chemistry C 120 (2016) 3807.
5. Tomasz Pabisiak, Maciej J. Winiarski, Tomasz Ossowski, Adam Kiejna, *Adsorption of gold subnanostructures on a magnetite(111) surface and their interaction with CO*, Physical Chemistry Chemical Physics 18 (2016) 18169-18179
6. Mikołaj Lewandowski, Irene M. N. Groot, Zhi-Hui Qin, Tomasz Ossowski, Tomasz Pabisiak, Adam Kiejna, Anastassia Pavlovska, Shamil Shaikhutdinov, Hans-Joachim Freund, and Ernst Bauer, *Nanoscale Patterns on Polar Oxide Surfaces*, Chemistry of Materials 28 (2016) 7433.
7. T. Ossowski, A. Kiejna, *Oxygen adsorption on Fe(110) surface revisited*, Surface Science 637-638 (2015) 35.
8. A. Kiejna, T. Ossowski, T. Pabisiak, *Surface properties of the clean and Au/Pd covered Fe₃O₄(111): DFT and DFT+U study*, Physical Review B 85 (2012) 125414.
9. E. Zhurkin, M. Hou, J. Kuriplach, T. Ossowski, A. Kiejna, *Grain boundary segregation in low Cr Fe-Cr alloys: The effect of radiation induced vacancies studied by metropolis Monte Carlo simulations*, Nuclear Instruments and Methods in Physics Research B 269 (2011) 1679.
10. E. Wachowicz, T. Ossowski, A. Kiejna, *Cohesive and magnetic properties of grain boundaries in bcc Fe with Cr additions*, Physical Review B 81 (2010) 094104.
11. T.Ossowski, E. Wachowicz, A. Kiejna, *Effect of iron additions on intergranular cohesion in chromium*, Journal of Physics: Condensed Matter 21 (2009) 485002.
12. T. Ossowski, A. Kiejna, *Density functional study of surface properties of chromium*, Surface Science 602 (2008) 517.
13. T. Ossowski, A. Kiejna, *Low-coverage K adsorption on Mg(0001) surface*, Surface Science 566-568 (2004) 983.
14. A. Kiejna, T. Ossowski, E. Wachowicz, *Alkali metals adsorption on the Mg(0001) surface*, Surface Science 548 (2004) 22.
15. C. Tomas, T. Ossowski and J. Kołaczekiewicz, *Growth and thermal stability of Fe and Ni adsorption layers on the (111)Ta crystal face*, Surface Science 494 (2001) 183.