

Stelian PINTEA

List of scientific publications (4th of July 2019)

- [19] **S. Pinte**a, W. de Poel, A.E.F. de Jong, R. Felici, E. Vlieg, *Solid-liquid interface structure of muscovite in SrCl₂ and BaCl₂ solutions*, Langmuir 2018, 34, 4241–4248.
- [18] W. de Poel, S.L. Vaessen, J. Drnec, A.H.J. Engwerda, E.R. Townsend, **S. Pinte**a, A.E.F. de Jong, M. Jankowski, F. Carla, R. Felici, J.A.A.W. Elemans, W.J.P. van Enkevort, A.E. Rowan, E. Vlieg, *Metal ion-exchange on the muscovite mica surface*, Surface Science 665 (2017) 56-61.
- [17] **S. Pinte**a, W. de Poel, A.E.F. de Jong, V. Vonk, P.v.d. Asdonk, J. Drnec, O. Balmes, H. Isern, T. Dufrane, R. Felici, E. Vlieg, *Solid-liquid interface structure of muscovite mica in CsCl and RbBr solutions*, Langmuir, 2016, 32 (49), 12955.
- [16] W. de Poel, **S. Pinte**a, A.E.F. de Jong, J. Drnec, F. Carla, R. Felici, H. op den Camp, J.A.A.W. Elemans, W.J.P. van Enkevort, A.E. Rowan, E. Vlieg, *Dibenzo-crown-ether layer formation on muscovite mica*, Langmuir, 2014, 30 (42) 12570.
- [15] V. Vonk, M. Cremers, A. de Jong, **S. Pinte**a, E. Vlieg, *Atomic layering and misfit-induced densification at the Si(111)/In solid-liquid interface*, Surface Science 621 (2014) 69-76.
- [14] J. Drnec, T. Zhou, **S. Pinte**a, W. Onderwaater, E. Vlieg, G. Renaud, R. Felici, *Integration techniques for SXRD data obtained with a 2D detector*, Journal Applied Crystallography (2014) 47, 365 – 377.
- [13] W. de Poel, **S. Pinte**a, J. Drnec, F. Carla, R. Felici, P. Mulder, J.A.A.W. Elemans, W.J.P. van Enkevort, A.E. Rowan, E. Vlieg, *Muscovite mica: Flatter than a pancake*, Surface Science 619 (2014) 19-24.
- [12] F.J. v.d. Bruele, W. de Poel, H.W.M. Sturmans, **S. Pinte**a, R. de Gelder, D. Wermeille, M. Juricek, A.E. Rowan, W.J.P. van Enkevort, E. Vlieg, *Monolayer and aggregate formation of a modified phthalocyanine on mica determined by a delicate balance of surface interactions*, Surface Science 606 (2012) 830-835.
- [11] N. Aldea, V. Rednic, **S. Pinte**a, P. Marginean, L. Rednic, V. Pop, E. Dorolti, S. Macavei, F. Matei, *Dimensionality analysis of supported Ni nanoclusters through XRD and magnetic measurements*, Digest Journal of Nanomaterials and Biostructures, Vol. 6, No. 4, Oct. – Dec. 2011, p. 1991-2000.
- [10] N. Aldea, **S. Pinte**a, V. Rednic, F. Matei, Xie Yanning, *Comparative study of EXAFS spectra for close-shell systems*, Journal of Optoelectronics and Advanced Materials Vol. 11, No. 12, Dec. 2009, 2167-2171.
- [9] V. Rednic, M. Coldea, L. Rednic, L.G. Pascut, N. Aldea, **S. Pinte**a, M. Neumann, *X-ray photoelectron spectroscopy and magnetism of AlDyNi, AlDyNi₄ and AlDy₃Ni₈ compounds*, Journal of Physics: Conference Series 182 (2009) 012077.
- [8] N. Aldea, **S. Pinte**a, V. Rednic, F. Matei, Hu Tiandou, Xie Yanning, *Local structure information by EXAFS analysis using two algorithms for Fourier transform calculation*, Journal of Physics: Conference Series 182 (2009) 012056.
- [7] **S. Pinte**a, V. Rednic, P. Marginean, Xie Yanning, N. Aldea, *Temperature influence on the global and local structure of the chromia supported nickel catalysts*, Journal of Physics: Conference Series 182 (2009) 012052.
- [6] N. Aldea, V. Rednic, **S. Pinte**a, P. Marginean, B. Barz, A. Gluhoi, B.E. Nieuwenhuys, M. Neumann, X. Yanning, F. Matei, *Local, global and electronic structure of supported gold nanoclusters determined by EXAFS, XRD and XPS methods*, Superlattices and Microstructures 46 (2009) 141 – 148.

- [5] **S. Pinte**a, V. Rednic, P. Marginean, N. Aldea, Hu Tiandou, Zhonghua Wu, M. Neumann, F. Matei, *Crystalline and electronic structure of Ni nanoclusters supported on Al₂O₃ and Cr₂O₃ investigated by XRD, XAS and XPS methods*, Superlattices and Microstructures 46 (2009) 130 – 136.
- [4] M. Lazar, V. Almasan, **S. Pinte**a, B. Barz, C. Ducu, V. Malinovschi, X. Yanning, N. Aldea, *Preparation and structural characterization by XRD and XAS of the supported gold catalysts*, Journal of Optoelectronics and Advanced Materials Vol. 10, No. 9, Sept. 2008, p. 2244-2251.
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- [1] N. Aldea, P. Marginean, V. Rednic, **S. Pinte**a, B. Barz, A. Gluhoi, B. E. Nieuwenhuys, Xie Yanning, F. Aldea, M. Neumann, *Crystalline and electronic structure of gold nanoclusters determined by EXAFS, XRD and XPS methods*, Journal of Optoelectronics and Advanced Materials Vol. 9, No. 5, May 2007, p. 1555-1560.