CURRICULUM VITAE

NAME	Dimitrios Vlachos
QUALIFICATION	Doctor of Physics
CURRENT POSSESSION	Lecturer
ADDRESS	Department of Physics University of Ioannina Ioannina, Greece tel. ++30 2651 098578 e-mail: dvlachos@cc.uoi.gr
DATE OF BIRTH	18th of July, 1966
PLACE OF BIRTH	Lefkas, Greece
MARITAL STATUS	Single
NATIONALITY	Greek
EDUCATION	2nd High School of Lefkas, 1984 Bachelor in Physics, Univ. of Ioannina, 1988 Ph. D in experimental Surface Physics, University of Ioannina, 1997
Ph D THESIS TITLE	"Ba and hydrogen coadsorption on semiconducting and metallic surfaces"

FIELD OF RESEARCH

Surface Physics and Chemistry: Interaction of metals and gases on metallic and semiconducting surfaces. Study of the electronic and structural properties of these systems by the use of the following techniques:
Auger Electron Spectroscopy (AES),
Ultraviolet Photoelectron Spectroscopy (UPS)
X-ray Photoelectron Spectroscopy (XPS)
Thermal Desorption Spectroscopy (TDS)
Electron Energy Loss Spectroscopy (EELS)
Low Energy Electron Diffraction (LEED)
Work Function measurements (WF)
Low Energy Ion Scattering (LEIS).
Metastable Impact Electron Spectroscopy (MIES)

Solid State Physics and Chemistry: Study of bulk electronic and structural properties of materials by using the following techniques:
Electron Microscopy (TEM and STEM)
Energy Dispersive x-ray Spectroscopy (EDS)
X-Ray Diffraction (XRD)
Electron Energy Loss Spectroscopy (EELS)

X-ray Absorption Spectroscopy by Synchrotron Radiation (XAS – transmission, fluorescence and total electron yield measurements)

Few words for my career

Likely or not I have continuously been working in academia for almost the last twenty years with only a break of almost two years for doing my military service.

It was October in 1988 when I graduated from the Physics Department of the University of Ioannina in Greece. Almost half year later, I jointed again the same department as a Phd student in a funded postgraduate position. The subject of my Phd thesis was in the field of the experimental Surface and Interface Physics. Specifically, I studied the coadsorption of barium and hydrogen on mono-crystalline surfaces. Part of the measurements and analysis was carried out at the FOM Institute in Holland. In parallel with the work of my thesis, I participated in an international cooperation research project concerning the alkali adsorption on layer compounds. The experiments of that project took place at my home Department and at BESSY Synchrotron Radiation Center in Berlin in Germany.

As a postgraduate student, beside my research work, I had also had some tutorial duties in the department, teaching and demonstrating for the undergraduate students. Furthermore I had the change to supervise few final year students doing their diploma thesis.

In February of 1998, I was appointed as post doctoral research assistant in Physics and Astronomy Department in the University of Glasgow. My prior responsibility was to carry out the experimental part of a funded project concerning the study of doped zirconia by several oxides. The main tools of this research, were electron microscopy (TEM and STEM), electron energy loss spectroscopy (EELS) and x-ray absorption measurements. The latter were performed at Daresbury synchrotron radiation laboratory in UK. The main purpose of the project was the characterization of doped zirconia, by investigating the electron loss near edge structure (ELNES) and x-ray absorption near edge structure (XANES) for a number of electronic excitations. In this manner was possible to gain direct information on the influence of dopants and vacancies on the local structure and bonding. The final objective was to develop the relationship between structural information and material properties of novel zirconia composites. During that time, I developed collaboration with the Atomistic Simulation Group in Queen's University in Belfast in UK. This allowed a comparison of the experimental results with the theoretical predictions. Beside my research duties in the department, I also had some tutorial ones. Specifically I taught and demonstrated for the first year students in the general physics labs.

In October of 2000, I was appointed as lecturer in the department of Biological Applications and Technology of the University of Ioannina in Greece. My main duty was the teaching of General Physics and Physical Chemistry courses for the first year students. At the same time, in January of 2001, I started working in the Department of Physics of the University of Ioannina, within the frame of a founded project by the National Institute of Scholarships of Greece (IKY). This project was related to the development of ultrathin films of alkaline earth metal oxides on surfaces. The investigation was carried out by basic surface analytical techniques such as, Auger electron spectroscopy (AES), low energy electron diffraction (LEED), thermal desorption spectroscopy, (TDS), EELS and work function (WF) measurements. Complementary measurements of soft x-rays photoelectron spectroscopy (SXPS) and ultraviolet photoelectron spectroscopy (UPS) were performed at the national institute of synchrotron radiation of MAX-lab in Lund in Sweden. At about the same time a new cooperation was started between my home Department and the Physics and the Metallurgy Departments of the Technical University of Clausthal in Germany. The project concerned the possible catalytic action of Ni and Sr on the $SrTiO_3(100)$ surface with interaction of several gases such as O_2, CO_2, H_2S etc. The measurements were carried out at our lab in Grecee by using our home techniques as well as at the Physics department in Clausthal by the provided facilities there, XPS, UPS and MIES.

In October of 2004, I was appointed as lecturer at the department of Physics in the University of Ioannina in Greece. I work in a rather well equipped lab of Surface and Interface Physics. Although the instrumentation is not modern, the housing of five different analytical

experimental techniques for surface analysis at the same ultra-high vacuum system, makes our research quite powerful and productive. My intention is to continue working on the already running projects and to develop new collaborations with other institutes in abroad. The latter will allow to combine the results of our home techniques with those taken by more modern and sophisticated techniques, giving to our scientific effort more valuable results. My current interests are mainly focused on the development of metals and oxides in ultrathin films on metallic and semiconducting surfaces, and the characterization of these systems by studying their electronic, structural and physicochemical properties. These systems are very useful and applicable in modern technology.

LIST OF REFEREED PUBLICATIONS

1. "Barium and oxygen interaction on the Ni(110) surface at low coverages studied by soft x-ray photoemission spectroscopy: Ba negative binding energy shifts and their correlation with AES shifts"
   D. Vlachos, M. Kamaratos and S. D. Foulias
   Journal of Physics: Condensed Matter **18** (2006) 6589-6603

2. "Oxygen and potassium adsorption on a carbide-modified stepped-W(100) in contact with the carbon solid solution: An AES and WF study at 300 K and at elevated temperatures"
   S.D. Foulias, A. Perdikis and D. Vlachos
   Surface Review and Letters **12** Nos. 5&6 (2005) 787-792

3. "Electronic properties of barium ultrathin layers on the Ni(110) surface"
   M. Kamaratos, D. Vlachos and S.D. Foulias
   Surface Review and Letters **12** Nos. 5&6 (2005) 721-726

4. "Specimen charging in X-ray absorption spectroscopy: correction of total electron yield data from stabilized zirconia in the energy range 250-915 eV"
   D. Vlachos, A.J. Craven and D.W. McComb
   Journal of Synchrotron Radiation **12** (2005) 224-233

5. "Adsorption of oxygen on a nickel covered $SrTiO_3$(100) surface, studied by means of Auger electron spectroscopy and work function measurements"
   D. Vlachos, M. Kamaratos, S. D. Foulias, Ch. Argirusis, and G. Borchardt
   Journal of Physics: Condensed Matter **17** (2005) 635-642

6. "The development of nickel ultra-thin films and the interaction with oxygen on the $SrTiO_3$(100) surface studied by soft x-rays photoelectron spectroscopy"
   M. Kamaratos, D. Vlachos, S.D. Foulias and Ch. Argirusis
   Surface Review and Letters **11** (2004) 419-425

7. "Ni ultrathin film development on $SrTiO_3$(100) surface"
   D. Vlachos, M. Kamaratos, S. D. Foulias, Ch. Argirusis, and G. Borchardt
   Surface Science **550** (2004) 213

8. "Auger electron spectroscopy and work function characterization of oxygen adsorption on Ba covered Ni(110)"
   D. Vlachos, N. Panagiotides and S. D. Foulias
   Journal of Physics: Condensed Matter **15** (2003) 8195

9. "Theory of the phases and atomistic structure of Yttria-doped zirconia"

S. Ostanin, E. Salamatov, A. J. Craven and D. W. McComb and D. Vlachos
Physical Review B **66** 132105 (2002).

10. "Li interaction with the group IV selenides layer compounds at low temperature"
M. Kamaratos, D. Vlachos, C. A. Papageorgopoulos, A. Schellenberger, W. Jaegermann and C. Pettenkofer
Journal of Physics: Condensed Matter **14** (2002) 8979-8986.

11. "Electron energy-loss near-edge shape as a stabilization probe of yttria-stabilised zirconia"
S. Ostanin, A. J. Craven, D. W. McComb, D. Vlachos, A. Alavi, A. T. Paxton, and M.W. Finnis
Physical Review B **65** 224109 (2002).

12. "The influence of dopant concentration on the oxygen K-edge ELNES and XANES in yttria-stabilised zirconia"
D. Vlachos, A. J. Craven and D. W. McComb
Journal of Physics: Condensed Matter **13** (2001) 10799-10809

13. "Effect of relaxation on the oxygen K-edge electron energy-loss near edge structure in yttria-stabilised zirconia"
S. Ostanin, A. J. Craven, D. W. McComb, D. Vlachos, A. T. Paxton, A. Alavi and M. W. Finnis
Physical Review B **62** (2000) 14728-14735.

14. "Thermal desorption study of Ba and hydrogen coadsorption on Ni(110) surface"
D. Vlachos and C. A. Papageorgopoulos
Applied Surface Science **136** (1998) 230-237.

15. "Low-energy hydrogen-ion scattering from metal surfaces: Trajectory analysis and negative-ion formation"
W. R. Koppers, B. Berenbak, D. Vlachos, U. Van Slooten and A. W. Kleyn
Physical Review B **57** (1998) 13246-13256.

16. "Barium adsorption on hydrogenated Si(100)2×1 surfaces"
D. Vlachos and C. A. Papageorgopoulos
Journal of Physics: Condensed Matter **8** (1996) 8799-8814.

17. "A synchrotron radiation study of the interaction of Na with WSe_2 and $TaSe_2$: oxygen-induced deintercalation"
S. D. Foulias, D. Vlachos, C. A. Papageorgopoulos, R. Yavor, C.Pettenkofer and W. Jaegermann
Surface Science **352/354** (1996) 463-467.

18. "H^- formation in proton Ba/Ag(111) collisions: effects of the surface structure"
W. R. Koppers, B. Berenbak, D. Vlachos, U. Van Slooten and A. W. Kleyn
Nuclear Instruments and Methods in Physics Research B **100** (1995) 417-422.

19. "Ba deposition on Ni(110)"
D. Vlachos, S. D. Foulias, S. Kennou, C. Pappas, C. A. Papageorgopoulos
Surface Science **331/333** (1995) 673-678.

20. "Photoelectron spectroscopy of UHV in situ intercalated Li/$TiSe_2$. Experimental proof of the rigid band model"
W. Jaegermann, C. Pettenkofer, A. Schellenberger, C. A. Papageorgopoulos

M. Kamaratos, D. Vlachos and Y. Tomm
Chemical Physics Letter **221** (1994) 441-446.

21. "Ba adsorption on Si(100)2×1"
D. Vlachos, M. Kamaratos and C. A. Papageorgopoulos
Solid State Communications **90** (1994) 175-181

22. "Potassium adsorption on MoS_2 (0001) at low temperature"
M. Kamaratos, D. Vlachos and C. A. Papageorgopoulos
Journal of Physics: Condensed Matter **5** (1993) 535-540.

23. "Coadsorption of K and O_2 on MoS_2(0001)"
C. A. Papageorgopoulos, M. Kamaratos, S. Kennou and D. Vlachos
Surface Science **277** (1992) 273-281.

24. "The behaviour of K on the basal plane of MoS_2"
C. A. Papageorgopoulos, M. Kamaratos, S. Kennou and D. Vlachos
Surface Science **251/252** (1991) 1057-1061.

NATIONAL & INTERNATIONAL CONFERENCES

1. "Adsorption of K on MoS_2(0001)"
C. A. Papageorgopoulos, M. Kamaratos, S. Kennou and D. Vlachos
6th Hellenic Conference on Solid State Physics,
Heraklion, Hellas, 26-29th September 1990

2. "Adsorption of K and its coadsorption with O_2 on MoS_2(0001)"
C. A. Papageorgopoulos, M. Kamaratos, S. Kennou and D. Vlachos
11th European Conference on Surface Science (ECOSS-11)
Spain, 1990

3. "Coadsorption of K and O_2 on MoS_2(0001)"
D. Vlachos, M. Kamaratos, C. A. Papageorgopoulos,
7th Hellenic Conference on Solid State Physics,
Thessaloniki, Hellas, 22-25th September 1991

4. "Coadsorption of alkali metals and oxygen on layered compound surfaces" C. A. Papageorgopoulos, M. Kamaratos and D. Vlachos
7th Hellenic Conference on Solid State Physics,
Thessaloniki, Hellas, 22-25th September, 1991

5. "Deposition of Ba on Si(100)2×1"
D. Vlachos, M. Kamaratos, C. A. Papageorgopoulos,
8th Hellenic Conference on Solid State Physics,
Ioannina, Hellas, 22-25th September, 1992

6. "Adsorption of Ba on clean and H-covered Si(100)2×1"
D. Vlachos, M. Kamaratos and C. A. Papageorgopoulos
12th International Vacuum Congress and 8th International Conference on Solid Surfaces, The Netherlands, 1992

7. "Negative ion formation in proton Ba/Ag(111) collisions: effects of the surface structure"
W. R. Koppers, B. Berenbak, D. Vlachos, U. Van Slooten and A. W. Kleyn

Proceedings of the Fifth European Workshop on the Production and Application of Light Negative Ions, Dublin, Ireland, 23-25th March 1994

8. "Coadsorption of Ba and hydrogen on Si(100)2×1"
D. Vlachos and C. A. Papageorgopoulos
10th Hellenic Conference on Solid State Physics,
Delphi, Hellas, 18-21th September 1994

9. "Study of negative hydrogen ions by low energy proton scattering on barium covered Ag(111)"
D. Vlachos, W. R. Koppers, B. Berenbak, U. Van Slooten and A. W. Kleyn
10th Hellenic Conference on Solid State Physics,
Delphi, Hellas, 18-21th September 1994

10. "Ba deposition on Ni(110)"
D. Vlachos, S. D. Foulias, S. Kennou, C. Pappas, C. A. Papageorgopoulos
14th European Conference on Surface Science (ECOSS-14)
Leipzig, Germany, 19-23th September 1994

11. "A synchrotron radiation study of the interaction of Na with WSe_2 and $TaSe_2$: oxygen-induced deintercalation"
S. D. Foulias, D. Vlachos, C. A. Papageorgopoulos, R. Yavor, C.Pettenkofer and W. Jaegermann
15th European Conference on Surface Science (ECOSS-15)
Lille, France, 4-8th September 1995

12. "Hydrogen effect on the barium growth on Si(100)2×1 surface"
D. Vlachos and C. A. Papageorgopoulos
11th Hellenic Conference on Solid State Physics,
Xanthi, Hellas, 17-20th September 1995

13. "Coadsorption of Ba and hydrogen on Ni(110)"
D. Vlachos and C. A. Papageorgopoulos
12th Hellenic Conference on Solid State Physics,
Heraklion, Hellas, 15-28th September 1996

14. "Fundamental Aspects of Surface Science- Synchrotron Radiation and Surfaces" (no announcement)
Castelvecchio Pascoli, Italy, 6-11th June 1997

15. "The O K-edge in yttria stabilised zirconia"
A. J. Craven, D. Vlachos, D. W. McComb, S. Ostanin, A. T. Paxton, A. Alavi and M. W. Finnis
Condensed Matter and Materials Physics (CMMP)
Leicester, England, 19-22th December 1999

16. "Oxygen adsorption on barium covered Ni(110) surfaces: An AES and WF study"

D. Vlachos, N. Panagiotides and S. D. Foulias
"Electronic structure of solids and surfaces"
Giens, France, 7-12th September 2001

17. "The use of XANES and ELNES for the characterisation of stabilised zirconia"
D. W. McComb, S. Ostanin, D. Vlachos, A. J. Craven, M. W. Finnis, A. T. Paxton, and A. Alavi
MRS Fall Meeting

Boston, USA, 26-30th November 2001

18. "Theory of the phases and atomistic structure of yttria-doped zirconia"
S. Ostanin, E. Salamatov, A. J. Craven, D. W. McComb and D. Vlachos
EMRS, European Materials Research Society,
Spring Meeting
Strasbourg, France, 18-21th June 2002

19. "The development and characterization of ultrathin barium oxide film on the Ni(110) surface"
D. Vlachos, M. Kamaratos and S.D. Foulias
"The electronic properties of Ni ultrathin films on the $SrTiO_3$(100) surface with oxygen adsorption"
M. Kamaratos, D. Vlachos and S.D. Foulias
20th Hellenic Conference on Solid State Physics,
Ioannina, Hellas, 26-29th September, 2004

20. "Barium adsorption on the $SrTiO_3$(100) surface"
D. Vlachos, M. Kamaratos and S.D. Foulias
21th Hellenic Conference on Solid State Physics,
Cyprus, Lefcosia, 28-31th August 2005

INTERNATIONAL SCHOOLS

1. European Summerschool in Surface Science
"Surface Crystallography"
Physikzentrum, Bad Honnef, Germany
23-27th March 1992

2. "European Workshop on Research with Synchrotron Radiation"
Hotel Xenia, Ioannina, Hellas
3-5th May 1993

3. Daresbury Laboratory
"Introduction to EXAFS (Extended X-ray Absorption Fine Structure)"
Warrington, WA4 4AD, England, UK
16-17th November 1998

RESEARCH COLLABORATIONS WITH OTHER INSTITUTIONS (time of visit)

1. Hahn-Meitner Institute / BESSY, Berlin, GERMANY
November 1992, March 1994

2. FOM-Institute for Atomic and Molecular Physics
Kruislaan 407, 1098 SJ Amsterdam, NETHERLANDS
July - September 1993, December 1993, August 1994

3. Physics and Astronomy Department
University of Glasgow
Kelvinbuilding G12 8QQ
Glasgow, Scotland, UK
1998-2000

4. Queen University Physics Department,
Department of Pure and Applied Physics
Belfast, North Ireland, UK
often visits in 1998-2000

5. Daresbury Laboratory
Warrington, WA4 4AD
England, UK
23-25th August 1998, 26-30th May and 1-8th July 1999, 3-5th February 2000

6. Techniche Universität Clausthal
Institut für Metallurgie
Robert-Koch-Str.42, D-38678
Clausthal-Zellerfeld, GERMANY
15-25th July 2002, 24th November-2nd December 2002, 25th June-4th July 2004, 6th-11th December 2004

7. MAX-lab, Swedish National Laboratory
Box 118, S-221 00 Lund , SWEDEN
16th February – 5th March 2003, 1-14th September 2003

TUITION

I have taught the following undergraduate courses

1. Mechanics
2. Electromagnetism
3. Laboratories of General Physics (Mechanics, Thermodynamics, Waves, Optics, Physicochemistry)
4. Computing

I have supervised several students in their diploma thesis.

ADMINISTRATION DUTIES

I am member of the committees responsible for 1) the timetable of the undergraduate courses and 2) the supply of technical equipment in the Department.

MEMBERSHIPS

New York Academy of Science

FELLOWSHIPS

1. Departimental Scholarship

Department of Physics, University of Ioannina
1989-1994

2. Postdoctoral Scholarship
National Institute of Scholarships of Greece (IKY)
2001-2002

REFEREES

1. Prof. A. J. Craven e-mail: a.craven@physics.gla.ac.uk
Physics and Astronomy Department
University of Glasgow
G12 8QQ, Glasgow
Scotland, UK

2. Dr D. McComb e-mail: d.mccomb@imperial.ac.uk
Department of Materials
Imperial College London
Exhibition Road
London SW7 2AZ

3. Prof. J. N. Chapman e-mail: jchapman@physics.gla.ac.uk
Physics and Astronomy Department
University of Glasgow
G12 8QQ, Glasgow
Scotland, UK

CITATIONS

Surface Science 251/252 (1991) 1057

1. K. T. Park and J. Kong, Topics in Catalysis, 18 (3-4) (2002) 175
2. A. Kotarba, G. Adamski, W. Piskorz, Z. Sojka, C. Sayag and G. Djega-Mariadassou, J. Phys. Chem. B, 108 (2004) 2885

Surface Science 277 (1992) 273

1. D. Tang, X. Shi, D. Heskett and K. D. Tsuei, Surf. Sci. 292 (1993) 182

2. B. Lamontagne, F. Semond and D. Roy, Jour. of Elect. Spec. and Rel. Phenom. 73 (1995) 81
3. B. Lamontagne, F. Semond and D. Roy, Surf. Sci. 327 (1995) 371
4. J. X. Wu, M.S. Ma, X. M. Liu, J. S. Zhu, M. R. Ji, P. S. Xu and T. X. Zhao, Phys. Rev. B 51 (1995) 14286
5. W. Arabczyk and V. Narkiewicz, Surf. Sci. 377 (1997) 578
6. M. S. Ma, M. R. Ji, W. W. Cai, J. X. Wu, J. S. Zhu, X. M. Liu, B. F. Yang, P. S. He, B. K . Jin and Y. Z. Ruan , Phys. Rev. B 56 (1997) 4913
7. J. S. Zhu, J. X. Wu, X. M. Liu, M. S. Mas and M. R. Ji , Surf. Sci. 389 (1997) 1
8. H. W. Yang, M.R. Ji, J. X. Wu, M. S. Ma, J. S. Zhu and Y. H. Zhang, Surf. Sci. 439 (1999) 103
9. K. T. Park and J. Kong, Topics in Catalysis, 18 (3-4) (2002) 175

Sol. State Commun. 90 (1994) 175

1. T. Urano, K. Tamiya, K. Ojima, S. Hongo, and T. Kanaji, Surf. Sci. 358 (1996) 459
2. T. V. Krachino, M. V. Kuzmin, M. V. Loginov, M. A. Mittsev, Phys. of the Sol. State, 39 No 9 (1997) 1493
3. C. P. Cheng, I. H. Hong, T. W. Pi, Phys. Rev. B 58 (1998) 4066
4. G. V. Benemanskaya, D. V. Daineka, G. E. FrankKamenetskaya, Journal of Experimental. and Theoretical Physics, 87 No6 (1998) 1167
5. X. Yao, X. M. Hu, D. Sarid, Z. Yu, J. Wang, D. S. Marshall, R. Droopad, J. K. Abrokwah, J. A. Hallmark and W. J. Ooms, Phys. Rev. B 59 No7 (1999) 5115
6. G. V. Benemanskaya, D. V. Daineka, and G. E. FrankKamenetskaya, Physics of Low Dimensional Structures, V1-2 (1999) 97
7. X. M. Hu, C. A. Peterson, D. Sarid, Z. Yu, J. Wang, D. S. Marshall, R. Droopad, J. A. Hallmark and W. J. Ooms, Surf. Sci. 426 (1999) 69
8. X. Hu, X. Yao, C. A. Peterson, D. Sarid, Z. Yu, J. Wang, D. S. Marshall, R. Droopad, J. A. Hallmark, W. J. Ooms, Surf. Sci., 445, No.2-3, (2000) 256
9. A. HerreraGomez, P. Pianetta, D. Marshall, E. Nelson, W. E. Spicer, Phys. Rev. B Vol.61, No.19 (2000) 12988
10. X. M. Hu, X. Yao, C. A. Peterson, D. Sarid, Z. Yu , J. Wang, D. S. Marshall, J. A. Curless, J. Ramdani, R. Droopad, J. A. Hallmark and W. J. Ooms, Surf. Sci., 457 (2000) L391
11. P. D. Kirsch and J. G. Ekerdt, J. Vac. Technol. A 19 (1) (2001) 207
12. X.M. Hu, Z. Yu, J.A. Curless, R. Droopad, K. Eisenbeiser, J.L. Edwards, W.J. Ooms and D. Sarid, Appl. Surf. Sci. 181 (2001) 103
13. K. Ojima, M. Yoshimura and K. Ueda, Surf. Sci. 491 (2001) 16
14. K. Ojima, M. Yoshimura and K. Ueda, Phys. Rev. B 65, 075408 (2002)
15. A.J. Ciani, P. Sen, and I.P. Batra, Phys. Rev. B 69 245308 (2004)
16. C. Ohbuchi and J. Nogami, Surf. Sci., 579 (2005)157
17. D.M. Goodner, D.L. Marasco, A.A. Escuadro, L. Cao, M.J. Bedzyk, Phys. Rev. B 71 165426 (2005)
18. E. Ozensoy, C.H.F. Peden, J. Szanyi, J. Phys. Chem. B, 110 (2006) 17001
19. Z.G. Wang and X.T. Zu, Surf. Rev. & Lett., 13 (2006) 365.

Chem. Phys. Lett. 221 (1994) 441

1. H. E. Brauer, H. I. Starnberg, L. J. Holleboom and H. P. Hughes, J. Phys. Cond. Matt. 7 (1995) 7741
2. H. E. Brauer, H. I Starnberg, H. P. Hughes and L. J. Holleboom, Surf. Sci. 358 (1996) 345
3. G. Gonzalez and H. Binder, Boletin de la Sociedad Chilena de Quimica, 41No2 (1996) 121
4. H. I. Starnberg, H. E. Brauer and H. P. Hughes , Surf. Sci. 377 (1997) 828

5. H. I. Starnberg, H. E. Brauer and V. N. Strocov, Surf. Sci. 384 (1997) L785
6. V. van Elsbergen, H. Nienhaus and W. Monch, Materials Science Forum 264 (1998) 335
7. H. E. Brauer, H. I. Starnberg, L. J. Holleboom, V. N. Strocov and H. P. Hughes, Phys. Rev. B 58 (1998) 10031
8. M. Remskar, A. Popovic and H. I. Starnberg, Surf. Sci. 430 (1999) 199
9. H. E. Brauer, H. I. Starnberg, L. J. Holleboom, H. P. Hughes and V. N. Strocov, J. Phys. Cond. Matt., 11 (1999) 8957
10. Pronin II, M.V. Gomoyunova, N.S. Faradzhew, D.A. Valdaitsev and H.I. Starnberg, Surf. Sci. 482 (2001) 1419
11. Pronin II, M.V. Gomoyunova, D.A. Valdaitsev and N.S. Faradzhew, Phys. Sol. State, 43 (2001) 1788
12. M.V. Gomoyunova, Pronin II, D.A. Valdaitsev and N.S. Faradzhew, Physics of Low-dimensional Structures, 1-2 (2002) 47
13. S. Hollensteiner, E. Spiecker and W. Jager, Appl. Surf. Sci. 241 (2005) 49
14. C. Ramirez, R. Adelung, R. Kunz, L. Kipp and W. Schattke, Phys. Rev. B, 71 035426 (2005)
15. J.H. Richter, A. Henningsson, P.G. Karlsson, M.P. Andersson, P. Uvdal, H. Siegbahn and A. Sandell, Phys. Rev. B 71 235418 (2005).
16. S. Hollensteiner, W. Sigle, E. Spiecker and W. Jager, Z. Metallkd. 92 (2005) 888.
17. C. Ramirez, R. Adelung, L. Kipp, W. Schattke, Phys. Rev. B 73, 195406 (2006) Q.H. Wu, Surf. & Inter. Anal. 38 (2006) 1179
18. Q.H. Wu, Surf. & Inter. Anal., 38 (2006) 1179.

Surface Science 331/333 (1995) 673

1. S. Bartholmei, P. Fouquet and G. Witte, Surf. Sci. 473 (2001) 227.

Nucl. Instr. and Meth. in Phys. Res. B 100 (1995) 417

1. N. Lorente, J. Merino, F. Flores and M. Y. Gusev, Nucl. Instr. and Meth. in Phys. Res. B - Beam Inter. with Mater. and Atoms, 125 (1997) 277
2. V. A. Esaulov, Surf. Sci. 415 (1998) 95

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