

GESTÃO - CURRICULUM VITAE ([INVESTIGADORES](#))

MANAGEMENT - CURRICULUM VITAE ([RESEARCHERS](#))

Consulta global do Curriculum Vitae
Global Curriculum Vitae overview

Mostra todos os elementos do CV
Exhibits full CV

PROCESSO DE PREENCHIMENTO
FILLING PROCESS

Lista dos quadros que compõem o formulário. Para alterar os seus dados clique no apontador que consta na lista: **List of the tables of this form.** To update your data click on the link that appears on this list:

1. Dados pessoais
1. Personal data
2. Formação académica
2. Academic degrees
3. Actividades anteriores
3. Previous activities
4. Área de actividade científica
4. Area of scientific activity
5. Actuais interesses de investigação
5. Present research interest
6. Experiência na orientação
6. Supervising experience
7. Participação em projectos
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10. Communications
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Curriculum vitae
Curriculum vitae

1. Dados pessoais
1. Personal data

Nome completo

Full name

Rui César do Espírito Santo Vilão

BI

National identity card
10794556

Local e data de Nascimento

Birth place and date

Coimbra 19-06-1976

Pais de nacionalidade

Nationality

PORTUGAL

Morada institucional

Institutional address

Faculdade de Ciências e Tecnologia da Universidade de Coimbra
Departamento de Física
3004-516 Coimbra
PORTUGAL

Contactos

Contact data

Telefone: +351-239-410685
Fax: +351-239-829158
Email: ruivilao@ci.uc.pt
Endereço internet (url): http://www.fis.uc.pt/df/persn/n_ver_prof_prop.php

2. Formação académica
2. Academic degrees

Ano Year	Grau académico Academic degree	Instituição Institution	Classificação Classification
2007	DOUTORAMENTO	Faculdade de Ciências e Tecnologia	Aprovado com distinção e louvor
2002	MESTRADO	Faculdade de Ciências e Tecnologia	Muito Bom
1998	LICENCIATURA	Faculdade de Ciências e Tecnologia	Muito Bom com Distinção com dezoito valores

3. Actividades anteriores e situação actual em termos científicos e/ou profissionais
3. Previous and current scientific and/or professional activities

Período Period	Cargo ou categoria Position or category	Instituição Institution
6/1/1997-31/8/1999	Monitor	F.C.T.U.C.
1/9/1999-5/3/2002	Assistente Estagiário	F.C.T.U.C.

6/3/2002 - 20/6/2007	Assistente	F.C.T.U.C
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21/6/2007 - present	Professor Auxiliar	F.C.T.U.C.
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4. Área de actividade científica **4. Area of scientific activity**

Experimental condensed matter physics. Fundamental studies on technologically relevant materials, by means of nuclear microscopic techniques.

5. Domínio de especialização **5. Domain of specialization**

Domínio de especialização **Domain of specializations**

Nuclear Methods
Hyperfine Interactions
Muon spin spectroscopy

Actuais interesses de investigação **Present research interests**

Muonium/hydrogen states in II-VI and organic semiconductors

Outras competências/actividades **Other skills/activities**

As a university assistant, he has been much involved in teaching and also in administration at his school (FCTUC). He has been granted a leave of absence for preparation of his PhD, in the period September/2003 to December/2006. He has collaborated with SPF (Portuguese Physical Society) in divulgation actions to high-school students.

6. Experiência na orientação **6. Supervising experience**

7. Participação em projectos **7. Participation in research projects**

POCTI/43623/FIS/2000 (2002-2004)
POCTI/35334/FIS/2000 (2000-2004)
POCTI/40759/CTM/2001 (2003-2005)

8. Prémios e Distinções **8. Prizes and awards**

Ano Year	Nome do Prémio ou Distinção Name of the prize or award	Nome da entidade promotora Name of the granting entity
1998	Bolsa de Estudo por Mérito	Universidade de Coimbra
1998	Prémio Escolar 1997/98 G. Dalla Bella para o melhor aluno da Licenciatura em Física	Faculdade de Ciências e Tecnologia da Universidade de Coimbra / Caixa Geral de Depósitos

9. Publicações **9. Publications**

Teses / Thesis

"Isolated Hydrogen in II-VI Zinc-Chalcogenide Widegap Semiconductors Modelled by the Muon

Analogue"

Dissertação de doutoramento em Física, especialidade de Física Experimental, orientada pelo Prof. Doutor João Manuel de Sá Campos Gil
Coimbra, Departamento de Física da Universidade, Junho de 2007

"Estudo das interações do hidrogénio com defeitos estruturais em semicondutores do tipo calcopirite por técnicas de muões"

Dissertação de Mestrado em Física, Especialização em Física Experimental, orientado pelo Prof. Doutor João Manuel de Sá Campos Gil
Coimbra, Departamento de Física da Universidade, Março de 2002

Artigos em revistas de circulação internacional com arbitragem científica / Papers in international scientific periodicals with referees

1 - Modelling hydrogen in CuInSe₂ and CuInS₂ solar cell materials using implanted muons, J. M. Gil, P. J. Mendes, L. P. Ferreira, H. V. Alberto, R. C. Vilão, N. Ayres de Campos, A. Weidinger, Y. Tomm, Ch. Niedermayer, M. V. Yakushev, R. D. Tomlinson, S. P. Cottrell e S. F. J. Cox
Physical Review B 59 (1999) 1912

2 - Novel Muonium State in CdS, J. M. Gil, H. V. Alberto, R. C. Vilão, J. Pirote Duarte, P. J. Mendes, N. Ayres de Campos, A. Weidinger, J. Krauser, Ch. Niedermayer, S. F. J. Cox
Physical Review Letters 83 (1999) 5294

3 - Experimental confirmation of the predicted shallow donor hydrogen state in zinc oxide S.F.J. Cox, E.A. Davis, S.P. Cottrell, P.J.C. King, J.S. Lord, J.M. Gil, H. V. Alberto, R. C. Vilão, J. Pirote Duarte, N. Ayres de Campos, A. Weidinger, R.L. Lichti, S.J.C. Irvine
Physical Review Letters 86 (2001) 2601

4 - Nuclear inelastic scattering with ¹⁶¹Dy, A. I. Chumakov, R. Rüffer, O. Leupold, H. Thiess, J. M. Gil, H. V. Alberto, R. C. Vilão, N. Ayres de Campos, V. G. Kohn, M. Gerken, M. Lucht
Physical Review B 63 (2001) 172301

5 - Muonium States in HgO, J. M. Gil, H. V. Alberto, R. C. Vilão, J. Pirote Duarte, N. Ayres de Campos, A. Weidinger, E. A. Davis, S. F. J. Cox
Journal of Physics: Condensed Matter 13 (2001) L613

6 - Shallow Donor Muonium States in II-VI Semiconductor Compounds, J. M. Gil, H. V. Alberto, R. C. Vilão, J. Pirote Duarte, N. Ayres de Campos, A. Weidinger, J. Krauser, E. A. Davis, S. P. Cottrell, S. F. J. Cox
Physical Review B 64, 075205 (2001)

7 - Double-resonance determination of electron g-factors in muonium shallow-donor states J. S. Lord, S. F. J. Cox, H. V. Alberto, J. P. Pirote Duarte, and R. C. Vilão
Journal of Physics: Condensed Matter 16 (2004) S4707-S4720

8 - Muonium spectroscopy in ZnSe: Metastability and conversion Vilao RC, Alberto HV, Duarte JP, Gil JM, Weidinger A, de Campos NA, Lichti RL, Chow KH, Cox SFJ
Physical Review B 72 (2005) 235203

9 - Oxide muonics II : modelling the electrical activity of hydrogen in wide-gap and high-permittivity dielectrics S F J Cox, J L Gavartin, Jacob L Gavartin, S P Cottrell, J M Gil, H V Alberto, J P Duarte, R C Vilao, N Ayres de Campos and D J Keeble
Journal Physics: Condensed Matter 18 (2006) 1079-1119

10 - J. Pirote Duarte, R.C. Vilão, H.V. Alberto, J.M. Gil, Francisco P.S.C. Gil, A. Weidinger, N. Ayres de Campos and K Fostiropoulos
Muoniated radical states in the organic semiconductor phthalocyanine
Physical Review B 73 (2006) 075209

Publicações em actas de encontros científicos / Papers in conference proceedings

1 - High Temperature trapping of muons in CuInSe₂ and CuInS₂ J.M. Gil, H.V. Alberto, R.C. Vilão, J. Pirote Duarte, P.J. Mendes, N. Ayres de Campos, A. Weidinger, Ch. Niedermayer, M.V. Yakushev, R.D. Pilkington, R.D. Tomlinson, S.F.J. Cox
Physica B - Condensed Matter 289/290 (2000) 568-570
Proceedings of the 8th International Conference on Muon Spin Rotation, Relaxation, Resonance, Les Diablerets, Suíça, Agosto de 1999

2 - Shallow level muonium centre in CdS J. M. Gil, H. V. Alberto, R. C. Vilão, J. Pirote Duarte, P. J. Mendes, N. Ayres de Campos, A. Weidinger, J. Krauser, Ch. Niedermayer, S. F. J. Cox
Physica B - Condensed Matter 289/290 (2000) 564-567

Proceedings of the 8th International Conference on Muon Spin Rotation, Relaxation, Resonance, Les Diablerets, Suíça, Agosto de 1999

3 - Shallow versus deep hydrogen states in ZnO and HgO

S F J Cox, E A Davis, P J C King, J M Gil, H V Alberto, R C Vilao, J Piroto Duarte, N Ayres de Campos, R L Lichti

Journal of Physics: Condensed Matter 13 (2001) 9001

Proceedings of the Workshop "Doping Issues in Wide-Band Semiconductors"

4 - Probing the shallow-donor muonium wave function in ZnO and CdS via transferred hyperfine interactions

J. S. Lord, S. P. Cottrell, P.J.C. King, H.V. Alberto, N Ayres de Campos, J. M. Gil, J. Piroto Duarte, R. C. Vilão, R.L Lichti, S.K.L. Sue, B.A. Bailey, A. Weidinger, E.A. Davis, S. F. J. Cox

Physica B: Condensed Matter, 308-310 (2001) 920

Proceedings of the 21th International Conference on Defects in Semiconductors, Giessen, Alemanha, Julho de 2001

5 - Powder pattern hyperfine spectroscopy of shallow donor muonium centres

H.V. Alberto, R.C. Vilão, J. Piroto Duarte, J.M. Gil, N. Ayres de Campos, R. L. Lichti, E. A. Davis, S.P Cottrell, S.F.J. Cox

Hyperfine Interactions 136 (2001) 471

Proceedings of the 12th International Conference on Hyperfine Interactions, Park City, Utah, E.U.A, Agosto de 2001

6 - Muon diffusion and trapping in chalcopyrite semiconductors

R.C. Vilão, J.M. Gil, H.V. Alberto, J. Piroto Duarte, N. Ayres de Campos, A. Weidinger, M.V. Yakushev, S.F.J. Cox

Physica B: Condensed Matter 326 (2003) 181-184

Proceedings of the 9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, EUA, Junho de 2002

7 - Muonated radicals in the organic semiconductor Zinc-Phtalocyanine

J. Piroto Duarte, R.C. Vilão, J.M. Gil, H.V. Alberto, N. Ayres de Campos e A. Weidinger

Physica B: Condensed Matter 326 (2003) 94-96

Proceedings of the 9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, EUA, Junho de 2002

8 - Shallow donor versus deep acceptor state in II-VI semiconductor compounds

A. Weidinger, J.M.Gil, H. V. Alberto, R.C. Vilão, J. Piroto Duarte, N. Ayres de Campos, S. F. J. Cox

Physica B: Condensed Matter 326 (2003) 124-127

Proceedings of the 9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, EUA, Junho de 2002

9 - Muon and Hydrogen states in II-VI semiconductor compounds. A μ SR study

A. Weidinger, H. V. Alberto, J. M. Gil, R. C. Vilão, J. Piroto Duarte, N. Ayres de Campos

Phys. Stat. Sol. (c) 0 (2003) 711-714

Proceedings of the 10th International Conference on Shallow Level Centers in Semiconductors, Varsóvia, Polónia, Julho de 2002

10 - Shallow donor states of hydrogen in II-VI oxide and chalcogenide semiconductors, modelled by muon spectroscopy

SFJ Cox, SP Cottrell, PJC King, JS Lord, HV Alberto, N Ayres de Campos, JM Gil, J Piroto Duarte, RC Vilão, EA Davis, D Ellis, D Lamb, RL Lichti, G Celebi, A Weidinger

In Physics of Semiconductors 2002, J. H. Davies and A. R. Long (eds.), Institute of Physics Conference Series 171 (March 2003) ISBN 07050309245

Proceedings of the 26th International Conference on the Physics of Semiconductors, Edinburgo, Reino Unido, Julho de 2002

11 - Hydrogen states in CuInSe₂--a μ SR study

R. C. Vilão, H. V. Alberto, J. M. Gil, J. P. Piroto Duarte, N. Ayres de Campos, A. Weidinger, M. V. Yakushev

Physica B: Condensed Matter 340-342 (2003) 965-968

Proceedings of the 22th International Conference on Defects in Semiconductors, Århus, Dinamarca, Julho de 2003

12 - Muonium States In ZnTe as a model for isolated hydrogen

R.C. Vilão, J.M. Gil, H.V. Alberto, J.P. Piroto Duarte, N. Ayres de Campos, A. Weidinger, R.L. Lichti, K.H. Chow, S.F.J. Cox

AIP Conference Proceedings 772 (2005) 169-170

Proceedings of the 27th International Conference on the Physics of Semiconductors, Flagstaff, Arizona, USA, 26-30/July/2004

13 - Hydrogen in oxides, modelled by muonium

S.F.J. Cox, S.P. Cottrell, J.S. Lord, R.C. Vilão, H.V. Alberto, J.P. Piroto Duarte, J.M. Gil, N. Ayres de Campos, E.A. Davis, M. Charlton, D. P. Van der Werf, D.J. Keeble, R.L. Lichti, A. Weidinger

AIP Conference Proceedings 772 (2005) 193-194

Proceedings of the 27th International Conference on the Physics of Semiconductors, Flagstaff,

Arizona, USA, 26-30/July/2004

14 - Hyperfine parameters for muonium in copper (I), silver (I) and cadmium oxides
S.F.J. Cox, J.S. Lord, S.P. Cottrell, H.V. Alberto, J.M. Gil, J. Pirote Duarte, R.C. Vilão, A. Keren,
D. Prabhakaran
Hyperfine Interactions 158 (2004) 313-316
Proceedings of the XII International Conference on Hyperfine Interactions and XVII
International Symposium on Nuclear Quadrupole Interactions, Bonn, 23-27/August/2004

15 - Oxide muonics: A new compendium
S.F.J. Cox, J.S. Lord, S.P. Cottrell, J.M. Gil, H.V. Alberto, J. Pirote Duarte, R.C. Vilão, D.J.
Keeble, E.A. Davis, A. Keren, R. Scheuermann, A. Stoykov, M. Charlton, D. P. van der Werf, J.
Gavartin
Physica B: Condensed Matter, Volumes 374-375 (2006) 379-382
Proceedings of the 10th International Conference on Muon Spin Rotation, Relaxation,
Resonance, Oxford, UK, 8-12/August/2005

16 - Muonium states in II-VI zinc chalcogenide semiconductors
R.C. Vilão, H.V. Alberto, J. Pirote Duarte, J.M. Gil, N. Ayres de Campos, A. Weidinger, R.L.
Lichti, K.H. Chow, S.P. Cottrell and S.F.J. Cox
Physica B: Condensed Matter 374-375 (2006) 383-386
Proceedings of the 10th International Conference on Muon Spin Rotation, Relaxation,
Resonance, Oxford, UK, 8-12/August/2005

17 - Muonium diffusion dynamics in mercury oxide
J. Pirote Duarte, J.M. Gil, H.V. Alberto, R.C. Vilão, A. Weidinger, N. Ayres de Campos, S.F.J.
Cox, J.S. Lord, S.P. Cottrell and E.A. Davis
Physica B: Condensed Matter 374-375 (2006) 423-425
Proceedings of the 10th International Conference on Muon Spin Rotation, Relaxation,
Resonance, Oxford, UK, 8-12/August/2005

18 - Dynamics of muoniated radical states in phthalocyanines
J. Pirote Duarte, R.C. Vilão, H.V. Alberto, J.M. Gil, Francisco P.S.C. Gil, A. Weidinger and N.
Ayres de Campos
Physica B: Condensed Matter 374-375 (2006) 426-429
Proceedings of the 10th International Conference on Muon Spin Rotation, Relaxation,
Resonance, Oxford, UK, 8-12/August/2005

19 - g-Sign determination with circularly polarised RF fields
J.S. Lord, A. Keren and R.C. Vilão
Physica B: Condensed Matter 374-375 (2006) 374-375
Proceedings of the 10th International Conference on Muon Spin Rotation, Relaxation,
Resonance, Oxford, UK, 8-12/August/2005

20 - Oxide muonics and the 3-delta model for deep and shallow hydrogen states in dielectric
and semiconducting oxides
S.F.J. Cox, J.L. Gavartin, J.M. Gil, R.C. Vilão, J.S. Lord and E.A. Davis
Physica B: Condensed Matter 376-377 (2006) 385-388
Proceedings of the 23rd International Conference on Defects in Semiconductors, Hyogo, Japan,
July 24-29, 2005

21 - Location of the H[+/-] level: Experimental limits for muonium
R.L. Lichti, K.H. Chow, J.M. Gil, D.L. Stripe, R.C. Vilão and S.F.J. Cox
Physica B: Condensed Matter 376-377 (2006) 587-590
Proceedings of the 23rd International Conference on Defects in Semiconductors, Hyogo, Japan,
July 24-29, 2005

22- Information on hydrogen states in II-VI semiconductor compounds from a study of their
muonium analogues
R. C. Vilão, J. M. Gil, A. Weidinger, H. V. Alberto, J. Pirote Duarte, N. Ayres de Campos, R. L.
Lichti, K. H. Chow, S.F.J. Cox
Nuclear Instruments and Methods A 580 (2007) 438-441
Proceedings of the 10th International Symposium on Radiation Physics, Coimbra, Portugal,
September/2006

Outras publicações / Other publications

History of the Portuguese Music: an overview

R. C. Vilão

Proceedings of the 2000 European School of High-Energy Physics (Eds. N. Ellis, J. March-
Russell)

CERN - Geneva (2001)

A física das escalas musicais

R. C. Vilão

Gazeta de Física 27 (2004) 14-19

10. Comunicações

10. Communications

Outras comunicações orais / Other oral communications

(please note: co-author indicated first was the speaker)

1-Shallow level muonium centre in CdS

J. M. Gil, H. V. Alberto, R. C. Vilão, J. Piroto Duarte, P. J. Mendes, N. Ayres de Campos, A. Weidinger, J. Krauser, Ch. Niedermayer, S. F. J. Cox
8th International Conference on Muon Spin Rotation, Relaxation, Resonance, Les Diablerets, Suíça, Agosto de 1999

2-Probing the shallow-donor muonium wave function in ZnO and CdS via transferred hyperfine interactions

J. S. Lord, S. P. Cottrell, P.J.C. King, H.V. Alberto, N Ayres de Campos, J. M. Gil, J. Piroto Duarte, R. C. Vilão, R.L Lichti, S.K.L. Sue, B.A. Bailey, A. Weidinger, E.A. Davis, S. F. J. Cox
21th International Conference on Defects in Semiconductors, Giessen, Alemanha, Julho de 2001

3-Powder pattern hyperfine spectroscopy of shallow donor muonium centres

S.F.J. Cox, H.V. Alberto, R.C. Vilão, J. Piroto Duarte, J.M. Gil, N. Ayres de Campos, R. L. Lichti, E. A. Davis, S.P Cottrell
12th International Conference on Hyperfine Interactions, Park City, Utah, E.U.A, Agosto de 2001

4 - Shallow donor states of hydrogen in II-VI oxide and chalcogenide semiconductors, modelled by muon spectroscopy

SFJ Cox, SP Cottrell, PJC King, JS Lord, HV Alberto, N Ayres de Campos, JM Gil, J Piroto Duarte, RC Vilão, EA Davis, D Ellis, D Lamb, RL Lichti, G Celebi, A Weidinger
26th International Conference on the Physics of Semiconductors, Edinburgo, Reino Unido, Julho de 2002

5 - Muon and Hydrogen states in II-VI semiconductor compounds. A μ SR study

H. V. Alberto, A. Weidinger, J. M. Gil, R. C. Vilão, J. Piroto Duarte, N. Ayres de Campos
10th International Conference on Shallow Level Centers in Semiconductors, Varsóvia, Polónia, Agosto de 2002

6 - Hydrogen in oxides, modelled by its pseudo-isotope, muonium

RC Vilão, SFJ Cox, SP Cottrell, JS Lord, JM Gil, HV Alberto, J Piroto Duarte, EA Davis, M Charlton, D Keeble, RL Lichti
27th International Conference on the Physics of Semiconductors, Flagstaff, Arizona, USA, July 26-30, 2004

7 - Muonium states in zinc II-VI chalcogenide semiconductors

RC Vilão, JM Gil, HV Alberto, A Weidinger, J Piroto Duarte, N Ayres de Campos, RL Lichti, KH Chow, SP Cottrell, SFJ Cox,
10th International Conference on Muon Spin Rotation, Relaxation and Resonance, Oxford, UK, 8-12 August 2005

Comunicações em painel ("poster") / Posters in conferences

1-Muonium states in crystalline ZnSe

J. M. Gil, H. V. Alberto, R. C. Vilão, J. Piroto Duarte, P. J. Mendes, N. Ayres de Campos, A. Weidinger, J. Krauser, Ch. Niedermayer, S. F. J. Cox
8th International Conference on Muon Spin Rotation, Relaxation, Resonance, Les Diablerets, Suíça, Agosto de 1999

2-High Temperature trapping of muons in CuInSe₂ and CuInS₂

J.M. Gil, H.V. Alberto, R.C. Vilão, J. Piroto Duarte, P.J. Mendes, N. Ayres de Campos, A. Weidinger, Ch. Niedermayer, M.V. Yakushev, R.D. Pilkington, R.D. Tomlinson, S.F.J. Cox
8th International Conference on Muon Spin Rotation, Relaxation, Resonance, Les Diablerets, Suíça, Agosto de 1999

3-Hydrogen behaviour in chalcopyrite materials as seen by the muon analogue

R.C. Vilão, J.M. Gil, H.V. Alberto, J. Piroto Duarte, N. Ayres de Campos, A. Weidinger, M.V. Yakushev, S.F.J. Cox
9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, E.U.A, Junho de 2002

4-Muonium in the organic semiconductor zinc-phtalocyanine

J. Piroto Duarte, R.C. Vilão, J.M. Gil, H.V. Alberto, N. Ayres de Campos, A. Weidinger
9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, E.U.A, Junho de 2002

5- Mu^{0/+} donor versus Mu^{0/-} acceptor state in II-VI semiconductor compounds

A. Weidinger, J.M. Gil, H.V. Alberto, R.C. Vilão, J. Piroto Duarte, N. Ayres de Campos, S.F.J. Cox
9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, E.U.A, Junho de 2002

- 6- Diffusion of paramagnetic Mu in HgO
 H.V. Alberto, J. Piroto Duarte, J.M. Gil, R.C. Vilão, N. Ayres de Campos, A. Weidinger, E.A. Davis, S.P. Cottrell, J.S. Lord and S.F.J. Cox
 9th International Conference on Muon Spin Rotation, Relaxation, Resonance, Williamsburg, Virginia, E.U.A, Junho de 2002
 It received the "Best Poster Award" for the respective session
- 7 - Hydrogen donor level in the chalcopyrite I-III-VI2 semiconductors
 R. C. Vilão, H. V. Alberto, J. M. Gil, J. P. Piroto Duarte, N. Ayres de Campos, A. Weidinger and M. V. Yakushev
 22th International Conference on Defects in Semiconductors, Århus, Dinamarca, Julho de 2003
- 8 - Muonium States In ZnTe As A Model For Isolated Hydrogen
 R.C. Vilão, J.M. Gil, H.V. Alberto, J.P. Piroto Duarte, N. Ayres de Campos, A. Weidinger, R.L. Lichti, K.H. Chow, S.F.J. Cox
 27th International Conference on the Physics of Semiconductors, Flagstaff, Arizona, USA, 26-30/July/2004
- 9 - Hyperfine parameters for muonium in copper (I), silver (I) and cadmium oxides
 S.F.J. Cox, J.S. Lord, S.P. Cottrell, H.V. Alberto, J.M. Gil, J. Piroto Duarte, R.C. Vilão, A. Keren
 XIII International Conference on Hyperfine Interactions and XVII International Symposium on Nuclear Quadrupole Interaction, Bona, Alemanha, 23-27 de Agosto de 2004
- 10 - Location of the H[+/-] level: experimental limits from muonium data,
 RL Lichti, KH Chow, SFJ Cox, JM Gil, DL Stripe and RC Vilão,
 23rd International Conference on Defects in Semiconductors, Hyogo, Japan, July 24-29, 2005
- 11 - Oxide muonics and the 3-delta model for deep and shallow hydrogen states in dielectric and semiconducting oxides,
 S.F.J. Cox, J.L. Gavartin, J.M. Gil, R.C. Vilão, J.S. Lord and E.A. Davis
 23rd International Conference on Defects in Semiconductors, Hyogo, Japan, July 24-29, 2005
- 12 - Muonium diffusion dynamics in mercury oxide,
 J. Piroto Duarte, J.M. Gil, H.V. Alberto, R.C. Vilão, A. Weidinger, N. Ayres de Campos, S.F.J. Cox, J.S. Lord, S.P. Cottrell and E.A. Davis
 10th International Conference on Muon Spin Rotation, Relaxation and Resonance, Oxford, UK, 8-12 August 2005
- 13 - Dynamics of muoniated radical states in phthalocyanines,
 J. Piroto Duarte, R.C. Vilão, H.V. Alberto, J.M. Gil, Francisco P.S.C. Gil, A. Weidinger and N. Ayres de Campos
 10th International Conference on Muon Spin Rotation, Relaxation and Resonance, Oxford, UK, 8-12 August 2005
- 14 - Probing local environment in organic semiconductors with muonium, an exotic experimental analogue of hydrogen,
 J. Piroto Duarte, R. C. Vilão, H. V. Alberto, J. M. Gil, Francisco P. S. C. Gil, A. Weidinger and N. Ayres de Campos
 21st International Conference on Amorphous and Nanocrystalline Semiconductors, Lisbon, Portugal, September 4-9 (2005)
- 15 - Muonium states as a model for hydrogen in II-VI semiconductors
 R. C. Vilão, J. M. Gil, A. Weidinger, H. V. Alberto, J. Piroto Duarte, N. Ayres de Campos, R. L. Lichti, K. H. Chow, and S. F. J. Cox,
 10th International Symposium on Radiation Physics, 17-22 September, 2006, Coimbra, Portugal

11. Línguas
11. Language

Língua Language	Leitura Reading	Escrita Writing	Conversaço Conversation
Inglês	Excelente	Excelente	Excelente
Alemão	Elementar	n.d.	Elementar
Francês	Bom	Bom	Bom
Italiano	Bom	n.d.	Elementar
Português	Excelente	Excelente	Excelente

Espanhol (Castelhano)

Bom

n.d.

Elementar

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