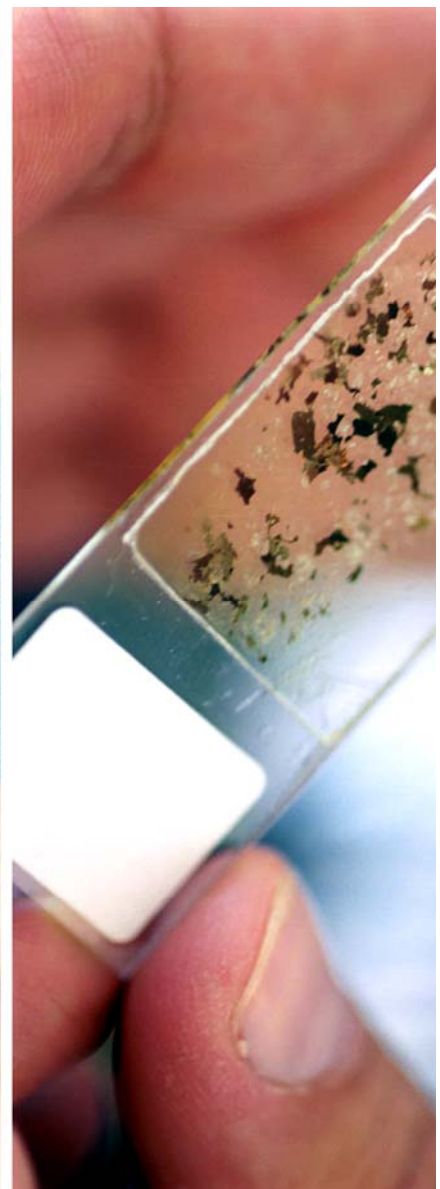




# ARTIGOS CIENTÍFICOS PUBLICADOS EM COLABORAÇÃO ENTRE O SECTOR PÚBLICO E EMPRESAS NACIONAIS [2006]



## NOTA INICIAL

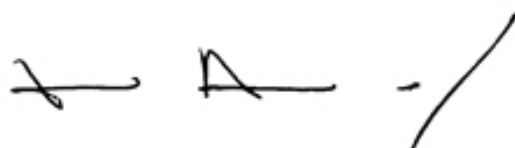
O Gabinete de Planeamento, Estratégia, Avaliação e Relações Internacionais (GPEARI) do Ministério da Ciência, Tecnologia e Ensino Superior (MCTES), divulga anualmente os principais indicadores estatísticos sobre produção científica nacional referenciada internacionalmente.

Com este documento inicia-se uma nova série, com a identificação dos artigos científicos publicados, de acordo com uma tipificação pré-definida. Neste caso, o critério adoptado consistiu na identificação dos artigos científicos publicados em colaboração entre o sector público e empresas nacionais.

Esta lista, relativa ao ano de 2006, tem por base o resultado das pesquisas na *Web of Science*, base de dados de referência internacional da *Thomson Reuters*, e incide exclusivamente sobre os seguintes tipos de documentos: *articles, letters, notes e reviews*.

Na recolha foram abrangidas todas as empresas que indicam no seu nome o seu estatuto legal através dos prefixos ou sufixos: SA, Lda, Ltd, Spa, EPE, SGPS, Org, Inc, Corp. Em complemento, e por via dos registos incluídos no *National Citation Report (NCR) for Portugal* - bases de dados também da *Thomson Reuters* - foram ainda identificadas empresas que não contém no nome os prefixos ou sufixos: SA, Ltd, Spa, EPE, SGPS, Org, Inc, Corp. Nestes casos, a pesquisa na *Web of Science* foi feita a partir do nome completo da empresa.

Por último, do conjunto das publicações científicas apuradas foram seleccionadas unicamente as que incluíam no campo afiliação, para além da empresa, outra instituição nacional pertencente ao sector público.



Maria João Valente Rosa

LISTA DE PUBLICAÇÕES (ARTICLES, NOTES, LETTERS AND REVIEWS) EM COLABORAÇÃO ENTRE O SECTOR PRIVADO (EMPRESAS) E O SECTOR PÚBLICO, NO ANO DE 2006

LIST OF PUBLICATIONS (ARTICLES, NOTES, LETTERS AND REVIEWS) PRODUCED IN COLLABORATION BETWEEN THE PRIVATE SECTOR (BUSINESS) AND THE PUBLIC SECTOR, IN THE YEAR 2006

1.

**Ozonation of textile effluents and dye solutions under continuous operation: Influence of operating parameters**

**Author(s):** Soares OSGP, Orfao JJM, Portela D, et al.

1. Univ Porto, Fac Engn, Dept Engn Quim, Lab Catalise & Mat, P-4200465 Oporto, Portugal
2. CITEVE Ctr Tecnol Ind Text & Vestuario Portugal, Quinta Maia, P-4760034 Vila Nova de Famalicao, Portugal

2.

**The use of laboratory tests in, patients with Mild Cognitive Impairment**

**Author(s):** Pereira AF, do Couto FS, de Mendonca A

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2. Inst Mol Med, Dept Neurol, Dementia Grp, P-1649028 Lisbon, Portugal
3. Fac Med Lisbon, P-1649028 Lisbon, Portugal
4. Memory Clin, Memoclin, P-1070050 Lisbon, Portugal

3.

**Polyarthritis associated with visceral leishmaniasis in a juvenile dog**

**Author(s):** Santos M, Marcos R, Assuncao M, et al.

1. Inst Biomed Sci Abel Salazar, Lab Histol & Embryol, Cytol Diagnost Serv, P-4099003 Oporto, Portugal
2. Hora Dos Bichos Vet Clin, Matosinhos, Portugal
3. ICBAS, Vet Clin Dept, Oporto, Portugal

4.

**Cutaneous transmissible venereal tumor without genital involvement in a prepubertal female dog**

**Author(s):** Marcos R, Santos M, Marrinhas C, et al.

1. Univ Porto, Cytol Diagnost Serv, Lab Histol & Embryol, P-4100 Oporto, Portugal
2. Univ Porto, Dept Pathol & Mol Immunol, P-4100 Oporto, Portugal
3. Univ Porto, Inst Biomed Sci Abel Salazar, ICBAS, P-4100 Oporto, Portugal
4. Carla Mendonca Vet Clin, Vila Verde, Portugal

5.

**Cytochemical detection of calcium in a case of calcinosis circumscripta in a dog**

**Author(s):** Marcos R, Santos M, Oliveira J, Vieira MJ, Vieira AL, Rocha E

1. Univ Porto, Cytol Diagnost Serv, Lab Histol & Embryol, ICBAS, P-4100 Oporto, Portugal
2. Clin Vet Clin, Figueira Da Foz, Portugal

6.

**CYP21A2 mutations in Portuguese patients with congenital adrenal hyperplasia: Identification of two novel mutations and characterization of four different partial gene conversions**

**Author(s):** Friaes A, Rego AT, Aragues JM, Moura LF, Mirante A, Mascarenhas MR, Kay TT, Lopes LA, Rodrigues JC, Guerra S, Dias T, Teles AG, Goncalves J

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5. Clin Endocrinol Lisboa, Lisbon, Portugal
6. Hosp D Estefana, Serv Genet Med, Lisbon, Portugal
7. Hosp D Estefana, Serv 2, Unidade Endocrinol Pediat, Lisbon, Portugal
8. Hosp Crianças Maria Pia, Oporto, Portugal

7.

**Dermatitis in a dog induced by *Straelensia cynotis*: a case report and review of the literature**

**Author(s):** Seixas F, Travassos PJ, Pinto ML, Correia J, Pires MA

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2. Univ Tras os Montes, Ctr Estudos Ciencia Anim & Vet, P-5000911 Vila Real, Portugal
3. Clin Vet Trofa, P-4785 Trofa, Portugal

8.

**Synthesis of poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl chloride) by the competitive single-electron-transfer/degenerative-chain-transfer-mediated living radical polymerization in water**

**Author(s):** Coelho JFJ, Silva AMFP, Popov AV, Percec V, Abreu MV, Goncalves PMOF, Gil MH

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3. Univ Penn, Dept Chem, Roy & Diana Vagelos Labs, Philadelphia, PA 19104 USA
4. Univ Penn, Dept Radiol, Philadelphia, PA 19104 USA

9.

**Influence of crumb rubber and digestion time on the asphalt rubber binders**

**Author(s):** Neto SAD, Farias MM, Pais JC, Pereira PAA, Sousa JB

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2. Univ Minho, Dept Civil Engrn, P-4800058 P Guimaraes, Portugal
3. Consulpav, P-2780 Oeiras, Portugal

10.

**alpha-farnesene, conjugated trienols, and superficial scald in 'Rocha' pear as affected by 1-methylcyclopropene and diphenylarnine**

**Author(s):** Isidoro N (Isidoro, Nelson), Almeida DPF (Almeida, Domingos P. F.)

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11.

**Measuring local government spending efficiency: Evidence for the Lisbon region**

**Author(s):** Afonso A, Fernandes S

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4. Univ Tecn Lisbon, ISCSP, P-1345055 Lisbon, Portugal

12.

**Leaching of heavy metals from steelmaking slags**

**Author(s):** Gomes JFP (Gomes, J. F. P.), Pinto CG (Pinto, C. G.)

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2. Univ Lusofona Humanidades & Tecnol, P-1749024 Lisbon, Portugal

13.

**Larval fish distribution in shallow coastal waters off North Western Iberia (NE Atlantic)**

**Author(s):** Azeiteiro UM (Azeiteiro, Ulisses Miranda), Bacelar-Nicolau L (Bacelar-Nicolau, Leonor), Resende P (Resende, Paula), Goncalves F (Goncalves, Fernando), Pereira MJ (Pereira, Mario Jorge)

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14.

**Retrovirus producer cell line metabolism: implications on viral productivity**

**Author(s):** Coroadinha AS (Coroadinha, A. S.), Alves PM (Alves, P. M.), Santos SS (Santos, S. Sa), Cruz PE (Cruz, P. E.), Merten OW (Merten, O. -W.), Carrondo MJT (Carrondo, M. J. T.)

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15.

**Spherical vs. granular immobilization support selection and performance on an optical flow cell immunosensor based on the fluorescence of cyanine-5**

**Author(s):** Silvestre OF (Silvestre, Oscar F.), Silva MG (Silva, Marta G.), Oliva AG (Oliva, Abel G.), Cruz HJ (Cruz, Helder J.)

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16

**The importance of 293 cell cycle phase on adenovirus vector production**

**Author(s):** Zhang CH (Zhang, Changhe), Ferreira TB (Ferreira, Tiago B.), Cruz PE (Cruz, Pedro E.), Alves PM (Alves, Paula M.), Haury M (Haury, Matthias), Carrondo MJT (Carrondo, Manuel J. T.)

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17.

**Relationship between retroviral vector membrane and vector stability**

**Author(s):** Carmo M, Faria TQ, Falk H, Coroadinha AS, Teixeira M, Merten OW, Geny-Fiamma C, Alves PM, Danos O, Panet A, Carrondo MJT, Cruz PE

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18.

**Purification of adenoviral vectors using expanded bed chromatography**

**Author(s):** Peixoto C, Ferreira TB, Carrondo MJT, Cruz PE, Alves PM

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19.

**Why do raptors take domestic prey? The case of Bonelli's eagles and pigeons**

**Author(s):** Palma L (Palma, Luis), Beja P (Beja, Pedro), Pais M (Pais, Miguel), Da Fonseca LC (Da Fonseca, Luis Cancela)

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20.

#### **Color properties of four cyanidin-pyruvic acid adducts**

**Author(s):** Oliveira J (Oliveira, Joana), Fernandes V (Fernandes, Virginia), Miranda C (Miranda, Candida), Santos-Buelga C (Santos-Buelga, Celestino), Silva A (Silva, Artur), de Freitas V (de Freitas, Victor), Mateus N (Mateus, Nuno)

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21.

#### **Calibration and testing of a generalized process-based model for use in Portuguese eucalyptus plantations**

**Author(s):** Fontes L (Fontes, Luis), Landsberg J (Landsberg, Joe), Tome J (Tome, Jose), Tome M (Tome, Margarida), Pacheco CA (Pacheco, Carlos A.), Soares P (Soares, Paula), Araujo C (Araujo, Clara)

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22.

#### **Monitoring the nourishment of Santo Amaro estuarine beach (Portugal)**

**Author(s):** Andrade C (Andrade, C.), Lira F (Lira, F.), Pereira MT (Pereira, M. T.), Ramos R (Ramos, R.), Guerreiro J (Guerreiro, J.), Freitas MC (Freitas, M. C.)

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23.

#### **Processability and characterization of poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl chloride) prepared by living radical polymerization of vinyl chloride. Comparison with a flexible commercial resin formulation prepared with PVC and dioctyl phthalate**

**Author(s):** Coelho JFJ (Coelho, Jorge F. J.), Carreira M (Carreira, Mafalda), Goncalves PMOF (Goncalves, Pedro M. O. F.), Popov AV (Popov, Anatoliy V.), Gil MH (Gil, Maria H.)

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2. Univ Penn, Dept Radiol, Philadelphia, PA 19104 USA
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24.

#### **Applied microbiology and biotechnology in the conservation of stone cultural heritage materials**

**Author(s):** Fernandes P (Fernandes, P.)

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25.

#### **Establishment of optimal conditions for long-term culture of erythrocytic stages of Theileria uilenbergi**

**Author(s):** Miranda JPG (Miranda, Joana P. G.), Nascimento EM (Nascimento, Elisabete M.), Cruz HJ (Cruz, Helder J.), Yin H (Yin, Hong), Zwegarth E (Zwegarth, Erich), Oliva AG (Oliva, Abel G.)

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26.

**Determining the carbon dioxide permeability of paint films**

**Author(s):** Carneiro C (Carneiro, C.), Oliveira F (Oliveira, F.), Nogueira J (Nogueira, J.), Mendes A (Mendes, A.)

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27.

**Permeability of paint films towards chloride ion**

**Author(s):** Carneiro C, Oliveira F, Nogueira J, Mendes A

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28.

**Thermal and mechanical characterization of poly(vinyl chloride)-b-poly(butyl acrylate)-b-poly(vinyl chloride) obtained by single electron transfer - degenerative chain transfer living radical polymerization in water**

**Author(s):** Coelho JFJ (Coelho, Jorge F. J.), Carreira M (Carreira, Mafalda), Popov AV (Popov, Anatoliy V.), Goncalves PMOF (Goncalves, Pedro M. O. F.), Gil MH (Gil, M. H.)

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29.

**Scale-up of poly[(vinyl chloride)-b-(n-butyl acrylate)-b-(vinyl chloride)] prepared by living radical polymerization**

**Author(s):** Coelho JFJ, Alves P, Monteiro J, Castro MMCA, Abreu M, Goncalves P, Gil MH

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30.

**Characterization of suspension poly(vinyl chloride) resins and narrow polystyrene standards by size exclusion chromatography with multiple detectors: Online right angle laser-light scattering and differential viscometric detectors**

**Author(s):** Coelho JFJ, Goncalves PMFO, Miranda D, Gil MH

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31.

**Single electron transfer-degenerative chain transfer living radical polymerization of N-butyl acrylate catalyzed by Na<sub>2</sub>S<sub>2</sub>O<sub>4</sub> in water media**

**Author(s):** Coelho JFJ, Silva AMFP, Popov AV, Percec V, Abreu MV, Goncalves PMOF, Gil MH

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32.

**Improving drug manufacturing with process analytical technology**

**Author(s):** Rodrigues LO, Alves TP, Cardoso JP, Menezes JC

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33.

**Nanofiltration of a clarified fermentation broth**

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34.

**Optimization of operation mode for the concentration by NF of clarified fermentation broths**

**Author(s):** Morao AIC (Morao, A. I. Cavaco), Alves AMB (Alves, A. M. Brites), Costa MC (Costa, M. C.), Cardoso JP (Cardoso, J. P.)

1. Inst Super Tecn, Dept Biol & Chem Engr, P-1049001 Lisbon, Portugal
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35.

**Hydrothermal alteration and mineralization in the Neves-Corvo volcanic-hosted massive sulfide deposit, Portugal. I. Geology, mineralogy, and geochemistry**

**Author(s):** Relvas JMRS (Relvas, Jorge M. R. S.), Barriga FJAS (Barriga, Fernando J. A. S.), Ferreira A (Ferreira, Alfredo), Noiva PC (Noiva, Paulo C.), Pacheco N (Pacheco, Nelson), Barriga G (Barriga, Goncalo)

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36.

**Chemical and isotopic signatures of Na/HCO<sub>3</sub>/CO<sub>2</sub>-rich geofluids, North Portugal**

**Author(s):** Marques JM (Marques, J. M.), Andrade M (Andrade, M.), Carreira PM (Carreira, P. M.), Eggenkamp HGM (Eggenkamp, H. G. M.), Graca RC (Graca, R. C.), Aires-Barros L (Aires-Barros, L.), Da Silva MA (Da Silva, M. Antunes)

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37.

**Food habits of the shortfin mako, *Isurus oxyrinchus*, off the southwest coast of Portugal**

**Author(s):** Maia A (Maia, Anabela), Queiroz N (Queiroz, Nuno), Correia JP (Correia, Joao P.), Cabral H (Cabral, Henrique)

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38.

**Oceanographic applications to eutrophication in tidal, coastal lagoons: the Ria Formosa, Portugal**

**Author(s):** Newton A (Newton, A.), Icely JD (Icely, J. D.)

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39.

**Boundary conditions for the European water framework directive in the ria Formosa lagoon, Portugal (physico-chemical and phytoplankton quality elements)**

**Author(s):** Loureiro S, Newton A, Icely J

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40.

**The use of TIC's as a managing tool for traceability in the food industry**

**Author(s):** Pinto DB, Castro I, Vicente AA

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41.

**Multiprobe chloride sensor for in situ monitoring of reinforced concrete structures**

**Author(s):** Montemor MF, Alves JH, Simoes AM, Fernandes JCS, Lourenco Z, Costa AJS, Appleton AJ, Ferreira MGS

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42.

**Conserving the Cabrera vole, *Microtus cabrae*, in intensively used Mediterranean landscapes**

**Author(s):** Pita R, Mira A, Beja P

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43.

**Friction coefficient in FZG gears lubricated with industrial gear oils: Biodegradable ester vs. mineral oil**

**Author(s):** Martins R, Seabra J, Brito A, Seyfert C, Luther R, Igartua A

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44.

**Synthesis of hydroxy-chlorapatites solid solutions**

**Author(s):** Kannan S, Rocha JHG, Ferreira JMF

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45.

**All-optical vestigial sideband generation using a semiconductor optical amplifier**

**Author(s):** Silveira TG (Silveira, Tiago G.), Teixeira ALJ (Teixeira, Antonio L. J.), Ferreira APS (Ferreira, Ana P. S.), Monteiro PMNP (Monteiro, Paulo M. N. P.)

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46.

**Adjustable electrical dispersion compensation in a 40-Gb/s optical single side-band system**

**Author(s):** Madureira MAM (Madureira, M. A. M.), Fonseca D (Fonseca, D.), Cartaxo AVT (Cartaxo, A. V. T.), Aguiar RL (Aguiar, R. L.), Monteiro PMP (Monteiro, P. M. P.)

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5. Siemens SA, Dept Res & Dev, P-2720193 Amadora, Portugal

47.

**Flexible logical-link-identifier assignment policy for Ethernet passive optical networks based on extended multipoint-control-protocol DU flow control**

**Author(s):** Hajduczenia M (Hajduczenia, Marek), da Silva HJA (da Silva, Henrique J. A.), Monteiro PP (Monteiro, Paulo P.)

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48.

**Spectrum equalization employing reshaping filter to improve ask signal quality in combined FSK/ASK modulation scheme**

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49.

**Spectrally efficient optical label insertion/extraction technique using an optical single sideband filter**

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50.

**Modelling and experimental validation of an x-cut four phase modulators structure**

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51.

**On the use of electrical precompensation of dispersion in optical single-sideband transmission systems**

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52.

**Detailed numerical analysis of a four-wave mixing in dispersion-shifted fiber based all-optical wavelength converter of 10 Gb/s single sideband optical signal**

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53.

**Genetic algorithm demodulation technique for fibre Bragg gratings resonant cavity**

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**Optical single-sideband transmitter for various electrical signaling formats**

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55.

**EPON versus APON and GPON: a detailed performance comparison**

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56.

**Transmission fiber chromatic dispersion dependence on temperature: Implications on 40 Gb/s performance**

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57.

**Adaptive optoelectronic filter for improved optical single sideband generation**

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58.

#### **Study of rehabilitation mortars: Construction of a knowledge correlation matrix**

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59.

#### **Effects of a water-retaining agent on the rheological behaviour of a single-coat render mortar**

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#### **Production of biodiesel from waste frying oil**

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#### **Novel distortion resilient OSNR monitoring technique based on evaluation of asynchronous histograms**

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62.

#### **The effect of benthic sediments on dissolved nutrient concentrations and fluxes**

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63.

#### **Orthogonal projection technique for resolution enhancement of the Fourier transform fringe analysis method**

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64.

#### **Challenging the interoperability industry with MDA between computers in and SOA**

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**Cost-minimization analysis for Portugal of five doublet chemotherapy regimens from two phase III trials in the treatment of advanced non-small cell lung cancer**

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**Microencapsulation of Streptococcus equi antigens in biodegradable microspheres and preliminary immunisation studies**

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**Alveolar vertical distraction osteogenesis: Historical and biologic review and case presentation**

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**The impact of unemployment insurance on the job match quality: a quantile regression approach**

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**The impact of unemployment insurance generosity on match quality distribution**

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**The impact of mortgage interest-rate subsidies on household borrowing**

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**Tenure, business cycle and the wage-setting process**

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**Sintering and crystallization of akermanite-based glass-ceramics**

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**Synthesis and thermal stability of sodium, magnesium co-substituted hydroxyapatites**

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74.

**Ring slippage vs charge transfer in the reductive chemistry of [IndMo(CO)<sub>2</sub>( $\alpha$ -diimine)]<sup>(+)</sup> cations**

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**The effect of temperature on the analysis of metanephrine for catechol-O-methyltransferase activity assay by HPLC with electrochemical detection**

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76.

**Comparative study of ortho- and meta-nitrated inhibitors of catechol-O-methyltransferase: Interactions with the active site and regioselectivity of O-methylation**

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**Production of low methoxyl pectin using immobilized pectin methylesterase silica from acerola (*Malpighia glabra* L.)**

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**Generating high-accuracy simulation models using problem-tailored orthogonal polynomials basis**

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**The use of TIC's as a managing tool for traceability in the food industry**

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**Cross-phase modulation bandwidth in ultrafast fiber wavelength converters**

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**Nota/Note:**

○ nome das empresas está assinalado a negrito / The name of the companies appears in bold.

**Fonte/Source:**

Pesquisa efectuada na WOS (Web of Science) a 18 de Dezembro de 2008. A consulta teve por base as seguintes restrições: tipo de documento (articles, reviews, notes and letters); e por ORG name (SA, Ltd, Spa, EPE, SGPS, Org, Inc, Corp)

Search made to the WOS (Web of Science) at 18th of December 2008. The search was restricted to: type of document (articles, reviews, notes and letters); and by ORG name (SA, Ltd, Spa, EPE, SGPS, Org, Inc, Corp)

Foi efectuada uma nova pesquisa a 19 de Dezembro de 2008, tendo por base toda a lista de empresas incluídas no NCR.

There was a new search in 19th of December 2008, including the list of companies included in the National Citation Report.





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ENTRE O SECTOR PÚBLICO E EMPRESAS NACIONAIS [2006]

Janeiro 2009

Fotografia: Luísa Ferreira

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