ARTIGOS RECENTES PUBLICADOS PELO IPEN COM PARCERIA INTERNACIONAL

○ **IPEN-DOC 20833**

MARTINS, MURILLO L.[a,b]; IGNAZZI, ROSANA;[a] JACOBSEN, HENRIK;[a] ARAUJO, DANIELE R. de[c]; YOKAICHIYA, FABIANO [a,d] ipen ; SAEKI, MARGARIDA J.[b]; PAULA, ENEIDA de [a,f]; BORDALLO, HELOISA N.[a,f]. Encapsulation effects on the structure-dynamics on drug carriers revealed by neutron scattering. **Neutron News,** v. 25, n. 4, p. 16-19, 2015.

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http://repositorio.ipen.br/handle/123456789/23798

○ **IPEN-DOC 20893**

SPREEUW, HANNO[1]; ROZENDAAL, ROEL[1]; CAMARGO, PRISCILLA[1,2] ipen ; MANS, ANTON[1]; WENDLING, MARKUS[1,3];OLACIREGUI-RUIZ, IGOR[1]; SONKE, JAN J.[1]; HERK, MARCEL van[1]; MIJNHEER, BEN[1]. Portal dosimetry in wedged beams. **Journal of Applied Clinical Medical Physics,** v. 16, n. 3, p. 244-257, 2015.

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http://repositorio.ipen.br/handle/123456789/23857

○ **IPEN-DOC 21388**

REIJN, SAARA-MAARIT[1,2] ipen ; PINHEIRO, FELIPE A.[3,4]; GESKUS, DIMITRI[1,2] ipen ; WETTER, NIKLAUS U.[1] ipen .Enabling focusing around the corner in multiple scattering media. **Applied Optics,** v. 54, n. 25, p. 7740-7746, 2015.

1 Centro de Lasers e Aplicações, Instituto de Pesquisas Energéticas e Nucleares, Av. Prof. Lineu Prestes 2242, 05508-000 São Paulo, Brazil

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http://repositorio.ipen.br/handle/123456789/25491

○ **IPEN-DOC 20246**

FRADIN, CHANTAL[1]; BERNARDES, EMERSON S.[2] ipen; JOUAULT, THIERRY[1]. Candida albicans phospholipomannan: a sweet spot for controlling host response/inflammation. **Seminars in Immunopathology,** v. 37, p. 123-130, 2015.

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http://repositorio.ipen.br/handle/123456789/23194

○ **IPEN-DOC 21710**

CUNICO, PATRICIA[1] ipen; KUMAR, ANU[2]; FUNGARO, DENISE A.[1] ipen. Adsorption of dyes from simulated textile wastewater onto modified nanozeolite from coal fly ash. **Journal of Nanoscience and Nanoengineering,** v. 1, n. 3, p. 148-161, 2015.

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http://repositorio.ipen.br/handle/123456789/25780

○ **IPEN-DOC 21264**

FEDERICO, C.A.[a]; GONCALEZ, O.L.[a]; CALDAS, L.V.E.[b] ipen; PAZIANOTTO, M.T.[c,a]; DYER, C.[d]; CARESANA, M.[e];HANDS, A.[d]. Radiation measurements onboard aircraft in the South Atlantic region. **Radiation Measurements,** v. 82, p. 14-20, 2015.

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http://repositorio.ipen.br/handle/123456789/25371

○ **IPEN-DOC 21259**

CONCEICAO, LEANDRO da [a,b,c] ipen; DJURADO, ELISABETH [a,b]; DESSEMOND, LAURENT [a,b]; MUCCILLO, E.N.S.[c] ipen.Fabrication of Mnsub(1.5)Cosub(1.5)Osub(4) by electrostatic spray deposition for application as protective coating on alloy interconnects for solid oxide fuel cells. **ECS Transactions,** v. 68, n. 1, p. 1609-1616, 2015.

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http://repositorio.ipen.br/handle/123456789/25366

○ **IPEN-DOC 21268**

GOMES, LAERCIO[a] ipen; RHONEHOUSE, DANIEL [b]; NGUYEN, DAN T.[b]; ZONG, JIE [b]; CHAVEZ-PIRSON, ARTURO [b];JACKSON, STUART D.[c]. Energy transfer and energy level

decay processes of Ersup(3+) in water-free tellurite glass.**Optical Materials,** v. 50, p. 268-274, 2015.

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http://repositorio.ipen.br/handle/123456789/25376

○ **IPEN-DOC 20830**

FONSECA, GABRIEL P.[1,2] ipen ; TEDGREN, ASA C.[3,4]; RENIERS, BRIGITTE [2,5]; NILSSON, JOSEF [3]; PERSSON, MARIA [3];YORIYAZ, HELIO [1] ipen ; VERHAEGEN, FRANK [2,6]. Dose specification for sup(192)Ir high dose rate brachytherapy in terms of dose-to-water-in-medium and dose-to-medium-in-medium. **Physics in Medicine and Biology,** v. 60, n. 11,p. 4565-4579, 2015.

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http://repositorio.ipen.br/handle/123456789/23795

○ **IPEN-DOC 21331**

GARCEZ, E.O. [1,2]; ALDRIGE, L.P.[2,3]; RAVEN, M.[4]; GATES, W.P.[2]; COLLINS, F. [2]; FRANCO, M.[5] ipen ; YOKAICHIYA, F.[6].Synchrotron powder diffraction study of cements pastes. **Journal of the Australian Ceramic Society,** v. 51, n. 2,p. 47-53, 2015.

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http://repositorio.ipen.br/handle/123456789/25438

○ **IPEN-DOC 20837**

SALLES, MARCOS B. [1]; GEHRKE, SERGIO A. [2,3]; KOO, SAMUEL [4]; ALLEGRINI JUNIOR, SERGIO [5,6] ipen ; ROGERO, SIZUE O.[5] ipen ; IKEDA, TAMIKO I.[7]; CRUZ, AUREA S. [7]; SHINOHARA, ELIO H. [1]; YOSHIMOTO, MARCELO[5,6] ipen . An alternative to nerve repair

using an antioxidant compound: a histological study in rats. **Journal of Materials Science: Materials in Medicine,** v. 26, p. 14-1 - 14-8, 2015.

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http://repositorio.ipen.br/handle/123456789/23802

○ **IPEN-DOC 21298**

MOLLINA, L. [1]; BROQUET, G. [1]; IMBACH, P. [2]; POULTER, B. [3]; BONAL, D. [4]; BURBAN, B. [7]; RAMONET, M. [1]; GATTI, L.V.[5] ipen ; WOFSY, S.C. [6]; MUNGER, J.W. [6]; DLUGOKENCKY, E. [8]; CIAIS, P. [1]. On the ability of a global atmospheric inversion to constrain variations of COsub(@) fluxes over Amazonia. **Atmospheric Chemistry and Physics,** v. 15, p. 8423-8438, 2015.

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http://repositorio.ipen.br/handle/123456789/25405

○ **IPEN-DOC 21323**

KOVACS, LUCIANA [1] ipen ; TASSANO, MARCOS [2]; CABRERA, MIREL [2]; ZAMBONI, CIBELE B.[1] ipen ; FERNANDEZ, MARCELO [2]; ANJOS, ROBERTO M. [3]; CABRAL, PABLO [2]. Development of sup(177)Lu-DOTA-dendrimer and determination of its effect on metal and ion levels in tumor tissue. **Cancer Biotherapy and Radiopharmaceuticals,** v. 30, n. 10, p. 405-409, 2015.

1 *Centro do Reator de Pesquisas (CRPq), Instituto de Pesquisas Energéticas e Nucleares (IPEN/CNEN - SP), São Paulo, Brasil.*

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http://repositorio.ipen.br/handle/123456789/25430

- **IPEN-DOC 20877**

EVORA, M.C. [a]; ARAUJO, J.R. [b]; FERREIRA, E.H.M. [b]; STROHMEIER, B.R. [c]; SILVA, L.G.A.[d] ipen ; ARCHETE, C.A. [b].Localized surface grafting reactions on carbon nanofibers induced by gamma and e-beam irradiation. **Applied Surface Science,** v. 335, p. 78-84, 2015.

a *Institute for Advanced Studies-IEAV/DCTA, Av. Cel Jose Alberto Albano do Amarante, 1-Putim, 12228-001 São Jose dos Campos, SP, Brazil*

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http://repositorio.ipen.br/handle/123456789/23841

- **IPEN-DOC 20881**

MATOS, BRUNO R.[a] ipen ; SANTIAGO, ELISABETE I. [a] ipen ; MUCCILLO, REGINALDO [a] ipen ; VELASCO-DAVELOS, IVAN A. [b]; RUEDIGER, ANDREAS [b]; TAVARES, ANA C. [b]; FONSECA, FABIO C.[a] ipen . Interplay between 'alfa'-relaxation and morphology transition of perfluorosulfonate ionomer membranes. **Journal of Power Sources,** v. 293,p. 859-867, 2015.

a *Instituto de Pesquisas Energéticas e Nucleares, IPEN, Av. Prof. Lineu Prestes, 2242, São Paulo, SP, 05508000, Brazil*

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http://repositorio.ipen.br/handle/123456789/23845

- **IPEN-DOC 20889**

SILVA, ALEXANDRE M. da [a]; MANFRE, LUIZ A. [b]; URBAN, RODRIGO C. [c]; SILVA, VANESSA H.O.[d] ipen ; MANZATTO, MARIANA P. [e]; NORTON, LLOYD D. [f]. Organic farm does not improve neither soil, or water quality in rural watersheds from southeastern Brazil. **Ecological Indicators,** v. 48, p. 132-146, 2015.

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http://repositorio.ipen.br/handle/123456789/23853

○ **IPEN-DOC 21406**

NOBREGA, S.D. [a,c] ipen ; STEIL, M.C. [a]; GEORGES, S. [a]; UHLENBRUCK, S. [b]; FONSECA, F.C. [c] ipen . Direct ethanol anode-supported solid oxide fuel cell. **ECS Transactions,** v. 68, n. 1, p. 2851-2858, 2015.

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http://repositorio.ipen.br/handle/123456789/25489

○ **IPEN-DOC 21394**

KORES, CRISTINE C. [1] ipen ; JAKUTIS NETO, JONAS [2]; GESKUS, DIMITRI [3]; PASK, HELEN M. [4]; WETTER, NIKLAUS U. [1] ipen . Diode-side-pumped continuous wave Ndsup(3):YVOsub(4) self-Raman laser at 1176 nm. **Optics Letters,** v. 40, n. 15, p. 3524-3527, 2015.

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http://repositorio.ipen.br/handle/123456789/25490

○ **IPEN-DOC 21219**

CALLIGARIS, GUILHERME A. [a]; FRANCO, MARGARETH K.K.D. [b] ipen ; ALDRIGE, LAURENCE P. [c]; RODRIGUES, MICHELLE S. [d]; BERALDO, ANTONIO L. [d]; YOKAICHIYA, FABIANO [b,e] ipen ; TURRILLAS, XAVIER [f;] CARDOSO, LISANDRO P. [a]. Assessing the pozzolanic activity of cements with added sugar cane straw ash by synchrotron X-ray diffraction and Rietveld analysis. **Construction and Building Materials,** v. 98, p. 44-50, 2015.

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http://repositorio.ipen.br/handle/123456789/25324

○ **IPEN-DOC 21256**

CASINI, JULIO C.S. [1] ipen ; GUO, ZAIPING [2]; LIU , HUA K. [2]; FARIA, RUBENS N. [1] ipen ; TAKIISHI, HIDETOSHI [1] ipen . Effects of Cu substitution for Sn on the electrochemical performance of Lasub(0.7)Mgsub(0.3)Mnsub(0.4)Snsub(0.5-x)Cusub(x)Nisub(3.8)(x=0-05) alloys for Ni-MH batteries. **Batteries,** v. 1, p. 3-10, 2015.

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http://repositorio.ipen.br/handle/123456789/25363

○ **IPEN-DOC 20729**

MATOS, B.R. [1] ipen; SANTIAGO, E.I.[1] ipen; MUCCILLO, R.[1] ipen; VELASCO-DAVALOS, I.A. [2]; RUEDIGER, A. [2];TAVARES, A.C. [2]; FONSECA, F.C.[1] ipen. 'alfa'-relaxation and morphology transition of perflurosulfonate ionomer membranes. **Materials Research Society Symposium Proceedings,** v. 1735, p. 1-5, 2015.
1 *Nuclear and Energy Research Institute - IPEN, São Paulo, SP, 05508000, Brazil.*
2 *Institut National de la Recherche Scientifique, Varennes, Quebec, J3X 1S2, Canada.*
http://repositorio.ipen.br/handle/123456789/23690

○ **IPEN-DOC 21306**

LAAN-LUIJKCX, I.T. van der [1]; VELDE, I.R. van der [1]; KROL, M.C. [1,2,3]; GATTI, L.V.[4] ipen; DOMINGUES, L.G. [4] ipen;CORREIA, C.S.C.[4] ipen; MILLER, J.B. [5,6]; GLOOR, M. [7]; LEEUWEN, T.T. van [2,3,8]; WIEDINMYER, C. [10]; BASU, S. [5,6;]CLERBAUX, C. [11]; PETERS, W. [1,12]; KAISER, J.W. [9]. Response of the Amazon carbon balande to the 2010 drought derived with carbon tracker South America. **Global Biogeochemical Cycles,** v. 29, n. 7, p. 1092-1108, 2015.
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http://repositorio.ipen.br/handle/123456789/25413

○ **IPEN-DOC 21327**

VIALA, VINCENT L.[a] ipen; HILDEBRAND, DIANA [b]; TRUSCH, MARIA [c]; FUCASE, TAMARA M.[a] ipen; SCIANI, JULIANA M. [d]; PIMENTA, DANIEL C. [d;] ARNI, RAGHUVIR K. [e]; SCHLUTER, HARTMUT [b]; BETZEL, CHRISTIAN [c];MIRTSCHIM, PETER [f;] DUNSTAN, NATHAN [f]; SPENCER, PATRICK J.[a] ipen. Venomics of the Australian eastern brown snake (Pseudonaja textilis): Detection of new venom proteins and splicing variants. **Toxicon,** v. 107, p. 252-265, 2015.

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○ **IPEN-DOC 20829**

CASINI, JULIO C.S.[1,2] ipen ; GUO, ZAIPING [1]; LIU, HUA K. [1]; FERREIRA, ELINER A. [2] ipen ; FARIA, RUBENS N.[2] ipen ;TAKIISHI, HIDETOSHI [2] ipen . Effect of Sn substitution for Co on microstructure and electrochemical performance of ABsub(5) type Lasub(0.7)Mgsub(0.3)Mnsub(0.4)Cosub(0.5)-sub(x)Snsub(3.8)(x=0-0.5) alloys. **Transactions of Nonferrous Metals Society of China,** v. 25, n. 2, p. 520-526, 2015.
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http://repositorio.ipen.br/handle/123456789/23794

○ **IPEN-DOC 20452**

LIMA, CHRYSTIAN G.M. [a]; SANTOS, THAMYSCIRA H. [a]; GRILO, JOAO P.F. [b]; DUTRA, RICARDO P.S. [a];NASCIMENTO, RUBENS M. [b]; RAJESH, SURENDRAN [c]; FONSECA, FABIO C.[d] ipen ; MACEDO, DANIEL A.[a].Synthesis and properties of CuO-doped Cesub(0.9)Gdsub(0.1)Osub(2-delta) electrolytes for SOFCs. **Ceramics International,** v. 41, p. 4161-4168, 2015.
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○ **IPEN-DOC 20274**

PUJATTI, PRISCILLA B.[a,b] ipen ; FOSTER, JULIE M. [a]; FINUCANE, CIARA [c]; HUDSON, CHANTELLE D. [a]; BURNET, JEROME C. [d;] PASQUALOTO, KERLY F.M. [e]; MENGATTI, JAIR [b] ipen ; MATHER, STEPHEN J. [a]; ARAUJO, ELAINE B. de [b] ipen ; SOSABOWSKI, JANE K. [a]. Evaluation and comparison of a new DOTA and DTPA-bombesin agonist in vitro and in vivo in low and high GRPR expressing prostate and breast tumor models. **Applied Radiation and Isotopes,**v. 96, p. 91-101, 2015.
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○ **IPEN-DOC 20314**

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http://repositorio.ipen.br/handle/123456789/23269

○ **IPEN-DOC 21288**

VIALA, VINCENT L.[a] ipen; HILDEBRAND, DIANA [b]; FUCASE, TAMARA M. [a] ipen; SCIANI, JULIANA M. [c]; PREZOTTO NETO, JOSE P.[a] ipen; RIEDNER, MARIA [d]; SANCHES, LEONARDO [e]; NISHIMURA, PAULA J.[a] ipen; OGUIURA, NANCY [e]; PIMENTA, DANIEL C. [c]; SCHLUTER, HARTMUT [b]; BETZEL, CHRISTIAN [f]; ARNI, RAGHUVIR K. [g]; SPENCER, PATRICK J.[a] ipen. Proteomic analysis of the rare Uracoan rattlesnake Crotalus vegrandis venom: Evidence of a broad arsenal of toxins. **Toxicon,** v. 107, p. 234-251, 2015.

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http://repositorio.ipen.br/handle/123456789/25395

○ **IPEN-DOC 22428**

BARSBAY, MURAT [a]; GUVEN, OLGUN [a]; KODAMA, YASKO [b] ipen . Amine functionalization of cellulose surface grafted with glycidyl methacrylate by gamma-initiated RAFT polymerization. **Radiation Physics and Chemistry,** v. 124, p. 140-144, 2016.

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http://repositorio.ipen.br/handle/123456789/26522

○ **IPEN-DOC 22556**

WILSON, CHRIS [1,2,3]; GLOOR, MANUEL [3]; GATTI, LUCIANA V.[4] ipen ; MILLER, JOHN B. [5,6]; MONKS, SARAH A. [2,7,8],;McNORTON, JOEY [1,2]; BLOOM, ANTHONY A.[9]; BASSO, LUANA S.[4] ipen ; CHIPPERFIELD, MARTYN P. [1,2]. Contribution of regional sources to atmospheric methane over the Amazon Basin in 2010 and 2011. **Global Biogeochemical Cycles,** v. 30, n. 3, p. 400-420, 2016.

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○ **IPEN-DOC 22555**

SOTENKO, MARIA [a]; COLES, STUART R. [b]; McEWEN, LAIN [c]; CAMPOS, REJANE de [d]; BARKER, GUY [e]; KIRWAN, KERRY [f]. Biodegradation as natural fibre pre-treatment in composite manufacturing. **Green Materials,** v. 4, n. 1, p. 8-17, 2016.

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http://repositorio.ipen.br/handle/123456789/26652

○ **IPEN-DOC 22558**

SHI, XINGLING [a]; XU, LINGLI [a]; VIOLIN, KALAN B.[b] ipen; LU, SHENG [a]. Improved osseointegration of long-term stored SLA implant by hydrothermal sterilization. **Journaof Behaviour of Biomedical Materials,** v. 53, p. 312-319, 2016.

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http://repositorio.ipen.br/handle/123456789/26655

○ **IPEN-DOC 22373**

KRYLOV, V.I. [2]; BOSCH SANTOS, B. [2]; CABRERA PASCA, G.A.[2]; DELYAGIN, N.N.[2]; CARBONARI, A.W.[1] ipen .Mapping the magnetic hyperfine field in GdCosub(5). **AIP Advances,** v. 6, p. 056024-1 - 056024-6, 2016.

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http://repositorio.ipen.br/handle/123456789/26468

○ **IPEN-DOC 22376**

GONCALVES, M.D. [a,b] ipen; MARAM, PARDHA S. [b]; NAVROTSKY, A. [b]; MUCCILLO, R. [a] ipen. Effect of synthesis atmosphere on the proton conductivity of Y-doped barium zirconate solid electrolytes. **Ceramics International,** v. 42, p. 13689-13696, 2016.

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http://repositorio.ipen.br/handle/123456789/26471

○ **IPEN-DOC 22405**

HAZENFRATZ, ROBERTO [1] ipen; MUNITA, CASIMIRO S.[1] ipen; GLASCOCK, MICHAEL D. [2]; NEVES, EDUARDO G. [3].Study of exchange networks between two Amazon archaeological sites by INAA. **Journal of Radioanalytical and Nuclear Chemistry,** v. 309, p. 195-205, 2016.

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○ **IPEN-DOC 22410**

MOREIRA, TIANA C.L. [a,c]; OLIVEIRA, REGIANE C. de [a,c]; AMATO, LUIS F.L. [a,c]; KANG, CHOONG-MIN [d]; SALDIVA, PAULO H.N. [a,c]; SAIKI, MITIKO [b,c] ipen. Intra-urban biomonitoring: Source apportionment using tree barks to identify air pollution sources. **Environmental International,** v. 91, p. 271-275, 2016.

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○ **IPEN-DOC 21731**

CARVALHO, JOSE M. [a,b]; LASTUSAARI, MIKA [b,c]; RODRIGUES, LUCAS C.V. [a]; HOLSA, JORMA [a,b,c],; FELINTO, MARIA C.F.C. [d] ipen; BRITO, HERMI F. [a]. Valence control of Pr in ZrOsub(2) nanocrystals by aliovalent Gdsup(3+) co-doping. **Journal of Luminescence,** v. 170, n. 2, p. 627-632, 2016.

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○ **IPEN-DOC 22009**

ZAHARESCU, TRAIAN [a]; ZEN, HELOISA A. [b] ipen; MARINESCU, MADALINA [a]; SCAGLIUSI, SANDRA R. [b] ipen;CARDOSO, ELISABETH C.L. [b] ipen; LUGAO, ADEMAR B. [b] ipen. Prevention of degradation of 'gamma'-irradiated EPDM using phenolic antioxidants. **Chemical Papers,** v. 70, n. 4, p. 495-504, 2016.

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http://repositorio.ipen.br/handle/123456789/26037

○ **IPEN-DOC 21224**

BRAGA, M.A. [a]; MARTINI, M.F. [b]; PICKHOLZ, M. [b]; YOKAICHIYA, F. [c,d] ipen; FRANCO, M.K.D. [c]; CABEÇA, L.F. [e];GUILHERME, V.A. [a]; SILVA, C.M.G. [a]; LIMIA, C.E.G. [a]; PAULA, E. de [a]. Clonidine complexation with hydroxypropyl-beta-cyclodextrin: From physico-chemical characterization to in vivo adjuvant effect in local. **Journal of Pharmaceutical and Biomedical Analysis,** v. 19, p. 27-36, 2016.

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http://repositorio.ipen.br/handle/123456789/25329

○ **IPEN-DOC 22386**

AHMED, Z. [1]; MATOS, B.R.[2] ipen; FLORIO, D.Z. de [3]; REY, J.F.Q. [3]; SANTIAGO, E.I.[2] ipen; FONSECA, F.C.[2] ipen .Nafion-mesoporous silica composite electrolyte: properties and direct ethanol fuel cells performance. **Materials for Renewable and Sustainable Energy,** v. 5, n. 2, p. 1-5, 2016.

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http://repositorio.ipen.br/handle/123456789/26480

○ **IPEN-DOC 21730**

HIGUTI, ELIZA [a] ipen; CECCHI, CLAUDIA R.[a,b] ipen; OLIVEIRA, NELIO A.J.[a,c] ipen; LIMA, ELIANA R. [a]; VIEIRA, DANIEL P.[a] ipen; AAGAARD, LARS [b]; JENSEN, THOMAS G. [b]; JORGE, ALEXANDER A.L. [d]; BARTOLINI, PAOLO[a] ipen ;PERONI, CIBELE N. [a] ipen . Partial correction of the dwart phenotype by non-viral transfer of the growth hormone gene in mice: treatment age is critical. **Growth Hormone and IGF Research,** v. 26, p. 1-7, 2016.

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http://repositorio.ipen.br/handle/123456789/25800

○ **IPEN-DOC 22411**

PANDEY, SUDHANSHU [1,2]; HOUWELING, SANDER [1,2]; KROL, MAARTEN [1,2,3]; AHEN, ILSE [2]; CHEVALLIER, FREDERIC [4]; DLUGOKENCKY, EDWARD J.[5]; GATTI, LUCIANA V.[6] ipen; GLOOR, EMANUEL [7]; MILLER, JOHN B. [5,8]; DETMERS, ROB [2;] MACHIDA, TOSHINOBU [9]; ROCKMANN, THOMAS [1]. Inverse modeling of GOSAT-retrieved rations of total column CHsub(4) and COsub(2) for 2009 and 2010. **Atmospheric Chemistry and Physics,** v. 16, n. 8, p. 5043-5062, 2016.

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- **IPEN-DOC 21764**

QUEIROZ, R.G.[a] ipen; VARCA, G.H.C.[a] ipen; KADLUBOWSKI, S. [b]; ULANSKI, P. [b]; LUGAO, A.B.[a] ipen. Radiation-synthesized protein-based drug carriers: Size-controlled BSA nanoparticles. **International Journal of Biological Macromolecules,** v. 85, p. 82-91, 2016.
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- **IPEN-DOC 21771**

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- **IPEN-DOC 21762**

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instrumentation. **Journal of Atmospheric and Solar-Terrestrial Physics,** v. 138-139, p. 112-120, 2016.
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