

UNIVERSIDADE ESTADUAL DE MARINGÁ
PRODUÇÃO CIENTÍFICA DOS DOCENTES DO PROGRAMA DE PÓS-GRADUAÇÃO EM
QUÍMICA PUBLICADAS EM 2017

18-Crow-6 spiking in direct infusion ESI-MS analysis of complex mixtures: "One ion per analyte" relationship facilitating ion assignments and eliminating isobaric interferences

Angelica Priscila Parussolo Tonin

Mauricio Alessandro dos Santos Ribeiro

Valquiria de Moraes Silva

Claudio Celestino de Oliveira

Maria Helena Sarragiotto

Marcos Nogueira Eberlin

Eduardo Cesar Meurer

International Journal of Mass Spectrometric 418:37-40 2017

<https://doi.org/10.1016/j.ijms.2016.12.003>

A new procedure for addition of thiols to imines using Zn[(L)-Proline] 2 as a Catalyst under mild conditions

Aline Rufino de Oliveira

Caren Daniele Galeano da Silva

Ramesh Katla

Mariana Pompilio Darbem Rocha

Tabata Branquinho Albuquerque

Vicente Lira Kupfer

Andrelson Wellington Rinaldi

Nelson Luis de Campos Domingues

ChemistrySelect 2(16):4462-4465 2017

<https://doi.org/10.1002/slct.201700752>

A new type of magnetocaloric composite based on conductive polymer and magnetocaloric compound

Willian Imamura

Adelino de Aguiar Coelho

Vicente Lira Kupfer

Alexandre Magnus Gomes Carvalho

Joao Gabriel Zago

Andrelson Wellington Rinaldi

Silvia Luciana Favaro

Cleber Santiago Alves

Journal of Magnetism and Magnetic Materials 425:65-71 2017

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A Single Administration of Fish oil Inhibits the Acute Inflammatory Response in Rats

Laura Licia Milani de Arruda

Franciele Queiroz Ames

Damila Rodrigues de Moraes

Renata Grespan

Ana Paula Maziero Gil

Maria Angelica Raffaini Covas Pereira Silva

Jesui Vergilio Visentainer

Roberto Kenji Nakamura Cuman

Ciomar Aparecida Bersani Amado

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Acidities Under the Perspective of Energy Decomposition Analysis

Rodrigo Meneghetti Pontes

Ernani Abicht Basso

Danilo Eduardo Martins

Rafael Martinez Madeira

Journal of Physical Chemistry A 121(26):4993-5004 2017

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Adsorption and controlled release of potassium, phosphate and ammonia from modified Arabic gum-based hydrogel

Fernanda Zonatto

Edvani Curti Muniz

Elias Basile Tambourgi

Alexandre Tadeu Paulino

International Journal of Biological Macromolecules 105(part 1):363-369 2017

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An Efficient Multigram Synthesis of Hypericin Improved by a Low Power LED Based Photoreactor

Renato Soncini Gonçalves

Bruno Ribeiro Rabello

Gabriel Batista César

Paulo Cesar de Souza Pereira

Marcos Alessandro dos Santos Ribeiro

Eduardo Cesar Meurer

Noboru Hioka

Celso Vataru Nakamura

Marcos Luciano Bruschi

Wilker Caetano

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Antibacterial performance of a PCL-PDMAEMA blend nanofiber-based scaffold enhanced with immobilized silver nanoparticles

Fernanda Grandzolli dos Santos

Leticia Caroline Bonkovoski

Francielle Pelegrin Garcia

Thelma Sley Pacheco Cellet

Maria Alice Witt

Celso Vataru Nakamura

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ACS Applied Materials & Interfaces 9(11):9304-9314 2017

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Antioxidant activity and determination of phenolic compounds from eugenia involucrata DC. fruits by UHPLC-MS/MS

Antonio Eduardo Nicacio

Eliza Mariane Rotta

Joana Schuelter Boeing

Erica Oliveira Barizão

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Liane Maldaner
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Antioxidant Capacity and Identification of Bioactive Compounds by GC-MS of Essential Oils from Spices,
Herbs and Citrus
Polyana Batoqui França Biondo
Fabiana Carbonera
Fernando Zawadzki
Lucas Ulisses Rovigatti Chiavelli
Eduardo Jorge Pilau
Ivanor Nunes do Prado
Jesui Vergilio Visentainer
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Application of Factorial Design for Optimization of the Synthesis of Lactulose Obtained from Whey Permeate
Fernanda Caspers Zimmer
Aloisio Henrique Pereira Souza
Ana Flavia Chaves da Silveira
Maristela Raupp dos Santos
Makoto Matsushita
Nilson Evelazio de Souza
Angela Claudia Rodrigues
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Bioactive Compounds, Antioxidant Capacity, and Fatty Acids in Different Parts of Four Unexplored Fruits
Adriela Albino Rydlewski
Damila Rodrigues de Moraes
Eliza Mariane Rotta
Thiago Claus
Julianna Matias Vagula
Michele Cristina da Silva
Oscar de Oliveira Santos Junior
Jesui Vergilio Visentainer
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Biotransformation of (+)-carvone and (-)-carvone using human skin fungi: A green method of obtaining
frangrances and flavours
Rogério Aparecido Minini dos Santos
Felipe de Oliveira Souza
Eduardo Jorge Pilau
Carla Porto
Jose Eduardo Gonçalves
Arildo Jose Braz de Oliveira
Regina Aparecida Correia Gonçalves

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Bone char prepared by CO₂ atmosphere: Preparation optimization and adsorption studies of Remazol Brilliant Blue R

Karen Cristina Bedin

Stefani P de Azevedo

Patricia K T Leandro

Andre Luiz Cazetta

Vitor de Cinque Almeida

Journal of Cleaner Production 161:288-298 2017

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Characterization of chlorophyll derivatives in micelles of polymeric surfactants aiming photodynamic applications

Adriana Passarella Gerola

Flavia Amanda Pedroso de Morais

Paulo Fernando do Amaral Costa

Elza Kimura

Wilker Caetano

Noboru Hioka

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Characterization of craft beers and their bioactive compounds

Diego Rodrigues Marques

Murilo Alonso Cassis

Joao Olavo Figueiredo Quelhas

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Claudio Celestino de Oliveira

Antonio Roberto Giriboni Monteiro

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Chemical characterization and protective effect of the *Bactris setosa* Mart. Fruit against oxidative/nitrosative stress

Joana Schuelter Boeing

Daniela Sofia Almeida Ribeiro

Renan Campos Chiste

Jesui Vergilio Visentainer

Vera Marisa Freitas Costa

Marisa Andreia Carvalho de Freitas

Eduarda das Graças Rodrigues Fernandes

Food Chemistry 220:427-437 2017

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Josiane Aline Monteiro de Oliveira

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Rodolfo Bento Balbinot
Alexandre da Silva Avincola
Eduardo Jorge Pilau
Marta Regina Barrotto do Carmo
Maria Helena Sarragiotto
Debora Cristina Baldoqui
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Chitosan/chondroitin sulfate hydrogels prepared in [Hmim][HSO₄] ionic liquid

Catia Santos Nunes
Kessily Barbosa Rufato
Paulo Ricardo de Souza
Elizangela Aparecida Messias Soares de Almeida
Michael Jackson Vieira da Silva
Debora B Scariot
Celso Vataru Nakamura
Fernanda Andreia Rosa
Alessandro Francisco Martins
Edvani Curti Muniz
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Juliana Francis Piai
Marta Alves da Silva
Albino Martins
Ana Bela Torres
Susana Faria
Rui L Reis
Edvani Curti Muniz
Nuno M Neves
Applied Surface Science 403:112-125 2017
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Commercial cuts of Pantanal caiman meat according to sex

Vitoria Regina Takeuchi Fernandes
Maria Luiza Rodrigues de Souza
Eliane Gasparino
Marcos Eduardo Coutinho
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Alessandro Spinola Bergamo
Elenice Souza dos Reis Goes
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Conformational equilibrium of phenylacetic acid and its halogenated analogues through theoretical studies, NMR and IR spectroscopy

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Copper/Zinc Bioaccumulation and the Effect of Phytotoxicity on the Growth of Lettuce (*Lactuca sativa* L.) in Non-contaminated, Metal-Contaminated and Swine Manure-Enriched Soils

Mariane Wolf

Dilmar Baretta

Valter Antonio Becegato

Vitor de Cinque Almeida

Alexandre Tadeu Paulino

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Coumarins From Roots of *Palicourea rigida*

Vanessa Guimaraes Alves

Ivania Terezinha Albrecht Schuquel

Heleno Dias Ferreira

Silvana Maria de Oliveira Santin

Cleuza Conceição da Silva

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C-S Cross-Coupling Reaction Using a Recyclable Palladium Prolinate Catalyst under Mild and Green Conditions

Beatriz Fuzinato dos Santos

Caren Daniele Galeano da Silva

Beatriz Amaral Lopes da Silva

Ramesh Katla

Aline Rufino de Oliveira

Vicente Lira Kupfer

Andrelson Wellington Rinaldi

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Curcumin-loaded dual pH- and thermo-responsive magnetic microcarriers based on pectin maleate for drug delivery

Elizangela Aparecida Messias Soares de Almeida

Ismael C Bellettini

Francielle Pelegrin Garcia

Maroanne Thais Farinacio

Celso Vataru Nakamura

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Alessandro Francisco Martins

Edvani Curti Muniz

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Kamila Augusta Leao de Oliveira

Danielly Ladeira Anibal Sitta

Marcos Rogerio Guilherme

Edvani Curti Muniz

Adley Forti Rubira

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Determination of antioxidant activity and phenolic compounds of *Muntingia calabura* Linn. Peel by HPLC-DAD and UPLC-ESI-MS/MS

Eliza Mariane Rotta

Charles Windson Isidoro Haminiuk

Liane Maldaner

Jesui Vergilio Visentainer

International Journal of Food Science and Technology 52(4):954-963 2017

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Direct Incorporation of Ginger and Oregano Antioxidants in Canola Oil

Andressa Hoinatski de Araujo Grabsk

Alexandre da Silva Avincola

Thiago Claus

Carla Porto Silva

Jesui Vergilio Visentainer

Eduardo Jorge Pilau

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Effects of Al³⁺ concentration on the optical, structural, photocatalytic and cytotoxic properties of Al-doped ZnO

Jessica de Lara Andrade

Angelica Gonçalves Oliveira

Vinicius Vaulei Gonçalves Mariucci

Antonio Carlos Bento

Mychelle Vianna Companhoni

Celso Vataru Nakamura

Sandro Marcio Lima

Luis Humberto da Cunha Andrade

Juliana Carla Garcia Moraes

Ana Adelina Winkler Hechenleitner

Edgardo Alfonso Gomez Pineda

Daniela Martins Fernandes de Oliveira

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Evaluation of an alternative fluorinated sorbent for dispersive solid-phase extraction clean-up of the quick, easy, cheap, effective, rugged, and safe method for pesticide residues analysis

Manoel Leonardo Martins

Magali Kemmerich

Osmar Damian Prestes

Liane Maldaner

Isabel Cristina Sales Fontes Jardim

Renato Zanella

Journal of Chromatography A 1514:36-43 2017

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Evaluation of chemical characteristics and correlation analysis with pulp browning of advanced selections of apples grown in Brazil

Luciana Ercoli

Erica Oliveira Barizao

Joana Schuelter Boeing

Marcus Vinicius Kvitschal

Jesui Vergilio Visentainer

Vitor de Cinque Almeida

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Fortification of the whey protein isolate antioxidant and antidiabetic activity with fraction rich in phenolic compounds obtained from Stevia rebaudiana (Bert.). Bertoni leaves

Paula Gimenez Milani

Maysa Formigoni

Yago Carvalho Lima

Silvano Piovan

Giuliana Maria Ledesma Peixoto

Daiane Montoia Camparsi

Willian do Nascimento de Souza Rodrigues

Jordana Quaglia Pereira da Silva

Alexandre da Silva Avincola

Eduardo Jorge Pilau

Cecilia Edna Mareze da Costa

Silvio Claudio da Costa

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From ionic liquid-modified cellulose nanowhiskers to highly active metal-free nanostructured carbon catalysts for the hydrazine oxidation reaction

Elizangela Hafemann Fragal

Vanessa Hafemann Fragal

Xiaoxi Huang

Alessandro Campos Martins

Thelma Sley Pacheco Cellet

Guilherme Miranda Pereira

Eliska Mikmekova

Adley Forti Rubira

Rafael da Silva

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Hybrid Materials and Nanocomposites as Multifunctional Biomaterials

Heveline Dal Magro Follmann

Alliny Ferreira Naves

Rafael Amaral Araujo

Viktor Dubovoy

Xiaoxi Huang

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Rafael da Silva

Oswaldo Novais de Oliveira Junior

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Hybrid materials based on cotton fabric-Cu 2 O nanoparticles with antibacterial properties against S. aureus

Wiliam Vidotto da Costa

Bruna da Silva Pereira

Maiara Camoti Montanha

Elza Kimura

Ana Adelina Winkler Hechenleitner

Daniela Martins Fernandes de Oliveira

Edgardo Alfonso Gomez Pineda

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Hydrothermal carbonization of coffee husk: Optimization of experimental parameters and adsorption of methylene blue dye

Amanda Ronix

Oswaldo Pezoti

Lucas Spessato Souza

Isis Pelegrini Andrade Fukumoto de Souza

Karen Cristina Bedin

Patricia Simoes Carraro de Souza

Tais Larissa da Silva

Sandra Adriana Ricardo Melo

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Incorporation and Bioconversion of Omega-3 Fatty Acids for Obtention of Enriched Fish

Oscar de Oliveira Santos Junior

Fabiana Carbonera

Julianna M Vagula

Swami Area Maruyama

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Incorporation of conjugated fatty acids into Nile tilapia (*Oreochromis niloticus*)

Elton Guntendorfer Bonafe

Luana Caroline de Figueiredo

Alessandro Francisco Martins

Johny Paulo Monteiro

Oscar de Oliveira Santos Junior

Edmilson Antonio Canesin

Swami Area Maruyama

Jesui Vergilio Visentainer

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Influence of addition of silanized nanosilica and glycerol on hydrophobicity of starch using a factorial design

Fernando Luis Panin Lopes

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Julio Cesar Dainezi de Oliveira

Eduardo Radovanovic

Andrelson Wellington Rinaldi

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Silvia Luciana Favaro Rosa

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Interactions between copper (II) dibrominated salen complex and copolymeric micelles of P-123 and F-127

Bruno Henrique Vilsinski

Dina Maria Bairrada Murtinho

Maria Elisa da Silva Serra

Edna Filipa Pais Soares

Pedro F Cruz

Gustavo Braga

Olga Borges

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Mechanical properties of a polyurethane hybrid composite with natural lignocellulosic fibers

Guilherme Piovezan Otto

Murilo Pereira Moises

Gizilene Maria de Carvalho

Andrelson Wellington Rinaldi

Juliana Carla Garcia Moraes

Eduardo Radovanovic

Silvia Luciana Favaro

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Mechanical recycling of tags and labels residues using sugarcane bagasse ash

Guilherme Augusto Mantovani

Jean Halison de Oliveira

Andressa dos Santos

Andrelson Wellington Rinaldi

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Polimeros 27(1):8-15 2017

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Multi-block data analysis using ComDim for the evaluation of complex samples: characterization of edible oils

Larissa Naida Rosa

Luana Caroline de Figueiredo

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Jesui Vergilio Visentainer

Paulo Henrique Março

Douglas N Rutledge

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Multifunctional theranostic Pluronic mixed micelles improve targeted photoactivity of Verteporfin in cancer cells

Diogo Silva Pellosi

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Antonio Claudio Tedesco

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Gedalias Custodio Martim

Carmem Silvia Costa Pfeifer

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Materials Science and Engineering: C 72:192-201 2017

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Nutritional and lipid profiles of the dorsal and ventral muscles of wild pirarucu

Carlos Andre Amaringo Cortegano

Leandro Cesar de Godoy

Maria Eugenia Petenuci

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Ligia Uribe Gonçalves
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Obtainment, quantification and use of lactulose as a functional food - a review
Fernanda Caspers Zimmer
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Makoto Matsushita
Nilson Evelazio de Souza
Angela Claudia Rodrigues
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Keila Aparecida da Silva
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Optimization of photocatalytic degradation of biodiesel using TiO₂/H₂O₂ by experimental design
Elizangela Ambrosio
Diego L Lucca
Maicon Henrique Braz Garcia
Maise Tatiane Ferreira de Souza
Thabata Karoline Formicoli de Souza Freitas
Renata Padilha de Souza
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Outstanding impact resistance of post-consumer HDPE/multilayer packaging composites
Silvia Luciana Favaro
Antonio Guilherme Basso Pereira
Janaina Rodrigues Fernandes
Orlando Baron
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Pheophorbide a, a compound isolated from the leaves of *Arrabidaea chica*, induces photodynamic inactivation of *Trypanosoma cruzi*
Nathielle Miranda

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Tania Ueda Nakamura
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Edineia Bonin
Alex Fiori da Silva
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Erica Benassi Zanqueta
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Taisa Rocha Navasconi
Vanessa Nesi dos Reis
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Poisoning effects of water and dyes on the [Bmim][BF₄] catalysis of poly(ethylene terephthalate)(PET) depolymerization under supercritical ethanol

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Catalysts 7(2):43 2017

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Polyelectrolyte complexes based on alginate/tanfloc: Optimization, characterization and medical application

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Danielle Lazarin Bidoia

Celso Vataru Nakamura

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Johny Paulo Monteiro

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Polysaccharide-based materials associated with or coordinated to gold nanoparticles: Synthesis and medical application

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Preparation and characterization of bioadhesive system containing hypericin for local photodynamic therapy

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Mariana Volpato Junqueira

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Preparation of biosorbents from the Jatoba (*Hymenaea courbaril*) fruit shell for removal of Pb(II) and Cd(II) from aqueous solution

Isis Pelegrini Andrade Fukumoto de Souza

Andre Luiz Cazetta

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Vitor de Cinque Almeida

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Pretreatment with ethanol as an alternative to improve steviol glycosides extraction and purification from a new variety of stevia

Maysa Ariane Formigoni

Paula Gimenez Milani

Alexandre da Silva Avincola

Vanessa Jorge dos Santos

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Processo de tratamento de efluentes contendo corantes catiônicos com micelas reversas de ácidos graxos em solventes orgânicos recuperáveis

Wilker Caetano

Noboru Hioka

Lais Bukman

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Vagner Roberto de Souza

Depósito de Patente BR1020170010015 depositado em 17/01/2017

Proximate Composition, Mineral Contents and Fatty Acid Composition of the Different Parts and Dried Peels of Tropical Fruits Cultivated in Brazil

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Eliza Mariane Rotta

Sheisa Cyleia Sargi

Elton Guntendorfer Bonafe

Rubia Michele Suzuki

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Quantification of fatty acids in salmon fillets conserved by different methods

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Rapid methodology via mass spectrometry to quantify addition of soybean oil in extra virgin olive oil: A comparison with traditional methods adopted by food industry to identify fraud

Roberta da Silveira
Julianna Matias Vagula
Ingrid de Lima Figueiredo
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Marília Bellanda Galuch
Oscar Oliveira Santos Junior
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Recent advances in designing hydrogels from chitin and chitin-derivatives and their impact on environment and agriculture: a review

Antonio Guilherme Basso Pereira
Alessandro Francisco Martins
Alexandre Tadeu Paulino
Andre Ricardo Fajardo
Marcos Rogerio Guilherme
Maria Graciela Iecher Faria
Giani Andrea Linde
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Regiochemistry control of pyrazoles by solvent used and beta-enamino diketones structure: regioselective synthesis of 4,5-disubstituted n-phenylpyrazoles

Thiago Francisco de Souza
Michael Jackson Vieira da Silva
Rai Guilherme Monteiro da Silva
Daviana Silva Gonçalves
Paula Almeida Simon
Andrey Petita Jacomini
Ernani Abicht Basso
Sidnei Moura
Marcos Antonio Pinto Martins
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Regiochemistry of cyclocondensation reactions in the synthesis of polyazaheterocycles

Patrick Teixeira Campos

Leticia Valvassori Rodrigues

Andrei Lucca Belladonna

Caroline Raquel Bender

Juiana Schmatz Bitencurt

Fernanda Andreia Rosa

Davi Fernando Back

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Response surface method optimization of a novel Hypericin formulation in P123 micelles for colorectal cancer and antimicrobial photodynamic therapy

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Fernanda Belicantha Borghi Pangoni

Gabriel Batista Cesar

Renato Sonchini Gonçalves

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Tania Toyomi Tominaga

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Scaffolds based on chitosan/pectin thermosensitive hydrogels containing gold nanoparticles

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Jean H de Oliveira

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Silanized silica nanoparticles as compatibilizer of sisal fibers/polyethylene composites

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Solar photocatalytic degradation of textile effluent with TiO₂, ZnO, and Nb₂O₅ catalysts: assessment of photocatalytic activity and mineralization

Renata Padilha de Souza

Elizangela Ambrosio

Maisa Tatiane Ferreira de Souza

Thabata Karoline Formicoli de Souza Freitas

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Juliana Carla Garcia Moraes

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Sol-gel synthesis of new TiO₂/activated carbon photocatalyst and its application for degradation of tetracycline

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Oswaldo Pezoti Junior

Joao Raul Belinato de Souza

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SPR platform based on image acquisition for HER2 antigen detection

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Synthesis and drug release profile of a dual-responsive poly(ethylene glycol) hydrogel nanocomposite

Ernandes Taveira Tenorio Neto

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Targeting homoserine dehydrogenase from *Paracoccidioides* Genus against systemic fungal infections

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Arethusa Lobo Pimentel

Debora Carina Biavatti

Ernani Abicht Basso

Erika Seiki Kioshima

Flavio Augusto Vicente Seixas

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The effects and role of polyvinylpyrrolidone on the size and phase composition of iron oxide nanoparticles prepared by a modified sol-gel method

Marcela Fernandes Silva

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Ana Adelina Winkler Hechenleitner

Edgardo Alfonso Gomez Pineda

Journal of Nanomaterials 2017:7939727 10pages 2017

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The photodynamic action of pheophorbide a induces cell death through oxidative stress in *Leishmania amazonensis*

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Helito Volpato

Jean Henrique da Silva Rodrigues

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Tania Ueda-Nakamura

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Thermo-sensitive hydrogel of pectin/chitosan containing gold nanoparticles for biological applications

Fabio Tentor

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Leticia Caroline Bonkovoski

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Trapped metallic cobalt nanoparticles in doped porous graphite: An electrocatalyst that gets better over reaction time

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Thelma Sley Pacheco Cellet
Ricardo Henrique Gonçalves
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Rafael da Silva

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Treatment of wastewater contaminated with ionic dyes: Liquid-liquid extraction induced by reversed micelle followed by photodegradation

Lais Bukman
Nadia Regina Camargo Fernandes Machado
Wilker Caetano
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Separation and Purification Technology 189:162-169 2017

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Tuning the magnetic properties of ferrite nanoparticles by Zn and Co doping

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Ernandes Taveira Tenorio Neto
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Unconventional Method for Synthesis of 3-Carboxyethyl-4-formyl(hydroxy)-5-aryl-N-arylpyrazoles

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Karlos Eduardo Pianoski
Daviana Silva Gonçalves
Gessica Mayara Ribeiro
Samara Mendes de S Melo
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Unveiling One-Dimensional Supramolecular Structures Formed through π - π Stacking of Phenothiazines by Differential Pulse Voltammetry

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X-ray structure of O-methyl-acrocol and anti-cancer, anti-parasitic, anti-bacterial and anti-Zika virus evaluations of the Brazilian palm tree *Acrocomia totai*

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Armando Mateus Pomini
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ZnO supported on zeolites: Photocatalyst design, microporosity and properties

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Leonardo Zavilenski Fogaça
Silvia Luciana Favaro Rosa
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