

SUPERCritical WATCH

Your weekly report about supercritical and subcritical processes to make good decisions



Weekly Report : 4th to 11th April 2018

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Events Events

April 10 2018

[SELECTBIO - Novel Formulation Strategies](#)

[Speaker Biography](#)

selectbiosciences.com/conferences/biographies.aspx?conf=nfs18...

SELECTBIO Conferences Novel Formulation Strategies · Facebook Flickr Twitter Google+ ...
Supercritical Anti-solvent Technique Assisted Synthesis of High-content Aripiprazole-loaded Microsphere for Long-release Injectable formulation: Formulation Optimization, in vitro and in vivo Studies. Friday, 13 April 2018 at 16:58.



SCF Companies SCF Companies

April 4 2018

[Manufacturer of Wine & Champagne Cork Closures - DIAM](#)

www.diam-closures.com/

In 2003, the company began investing in a revolutionary, patented process, called the DIAMANT® process that uses the properties of supercritical CO2 to extract the volatile compounds of cork and eradicate the molecules responsible for giving a taste to the wine, especially those causing "cork taint". ...



Website updating of Diam French Company



April 5 2018

[Crystec are available for partnering meetings at BIO. Boston \(4th - 7th ...\)](#)

www.crystecpharma.com/.../crystec-are-available



-for-partnering-m...

Crystec will be in Boston to meet with new and existing colleagues from the global pharmaceutical industry, to discuss how our innovative mSAS (modified Supercritical Anti-Solvent) technology can be applied to overcome product development challenges across a variety of dosage forms. For more information about the ...

April 6 2018

[International Symposium on Supercritical Fluids \(ISSF\) : Waters](http://www.waters.com/waters/eventInstance.htm?local_e=en_US...)

www.waters.com/waters/eventInstance.htm?local_e=en_US...

This 12th international symposium will be focused on the most recent scientific and technological development both on supercritical fluid properties and applications.



Waters
THE SCIENCE OF WHAT'S POSSIBLE.®

April 5 2018

[Essential Oil Extraction | Swagelok](https://losangeles.swagelok.com/en/.../Essential_Oil_Extraction)

https://losangeles.swagelok.com/en/.../Essential_Oil_Extraction

Essential Oil Extraction. Essential Oils are not synthetically manufactured in a laboratory. They are extracted from plant materials by processes that are most suitable for the specific plant from which the oils are being removed. Some popular extraction methods include Solvent, Steam Distillation, and Supercritical CO2 ...



Swagelok

April 4 2018

[CBD Sensi Seeds : de graines de qualité à produit final](https://sensiseeds.com)

<https://sensiseeds.com> > Home > Blog > Vidéos Cannabis

3. Extraction au dioxyde de carbone. Nos granules sont ensuite envoyées à une entreprise d'extraction en Allemagne qui traite uniquement des matières organiques. Le CBD est minutieusement extrait à l'aide de CO2



supercritique, sans recours à des solvants organiques. Ce procédé est plutôt dispendieux, mais c'est le ...

 [Website updating of Sensi Seeds company](#)

April 4 2018

[Quadron Reports 2018 Q3 Financial Results – Quadron Cannatech ...](#)

<https://www.quadroncannatech.com/quadron-reports-2018-q3-fina...>

Quadron initiated sales of its BOSS CO2 Extraction System (the “BOSS”). With a background in medical cannabis cultivation and supercritical CO2 extraction, Quadron's team created the next generation CO2 extraction system, combining our proprietary technology with advanced thermodynamics, automated features and ...



April 5 2018

[Economies of Scale in Cannabis: Moving from lab-scale CO2 ...](#)

<https://www.youtube.com/watch?v=fuyI9-OPaXA>

Ajouté par LabRoots

Presented At: Cannabis Sciences Virtual Event 2018 Presented By: Lalit Chordia, PhD President and CEO ...



April 10 2018

[Drug Delivery - NovaSterilis](#)

www.novasterilis.com/drug-delivery/

Dresden, Germany, Cleaning Technology Institute e.V., Krefeld, Germany) PLOS/ ONE; Development of a Sterile Amniotic Membrane Tissue Graft Using Supercritical Carbon Dioxide; Jennifer L. Wehmeyer, PhD, Shanmugasundaram Natesan, PhD, and Robert J. Christy, PhD; TISSUE ENGINEERING: Part C, Volume 00, ...



Scientific papers and news
scientific papers and news

April 10 2018

[IFU Juice @IFUjuice](#)

Research paper: Orange juice processing using a continuous flow ultrasound-assisted supercritical CO₂ system: Microbiota inactivation and product quality

<http://ow.ly/RP3Q30jpfFe>



April 5 2018

[Recyclage : les cartes électroniques, une vraie mine d'or !](#)

<https://www.industrie-techno.com/recyclage-les-cartes-electroniques-une-vraie-mine-d...>

Deux voies intéressantes, l'eau supercritique et les bactéries, sont étudiées par le Bureau de recherches géologiques et minières (BRGM). Le premier projet, Remetox, est mené par le CNRS et l'université d'Orléans, en partenariat avec les PME Terra Nova et Separex. Il repose sur l'oxydation des cartes électroniques ...



Research project for recycling electronic devices using supercritical water oxydation

April 4 2018

[CEA - Technicien d'expérimentation bioressources H/F](#)

https://www.emploi.cea.fr/.../emploi-technicien-d-experimentation-bioressources-h-f_...

Vous serez impliqué dans un premier temps en particulier sur la plateforme expérimentale dédiée à la liquéfaction hydrothermale et gazéification en eau supercritique. Vous serez aussi amené à intervenir ponctuellement en support à d'autres expérimentations des deux laboratoires (par exemple, le broyage et la ...



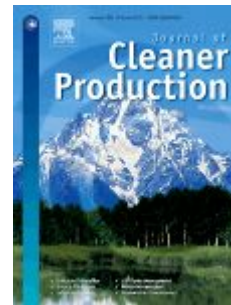
Technician Job Offer at CEA Grenoble

April 6 2018

[Influence of operating parameters on supercritical fluid extraction of ...](#)

<https://www.sciencedirect.com/science/article/.../S09596526183106...>

Turmeric oil was extracted from Curcuma Longa herb (turmeric root) using supercritical fluid extraction (SFE) process. Full-face central ... Journal of Cleaner Production. Available online 6 April 2018 ... Influence of operating parameters on supercritical fluid extraction of essential oil from turmeric root. Priyanka ;, Shabina ...



[Solid Acid/Base Catalysis in Sub- and Supercritical Water](#)

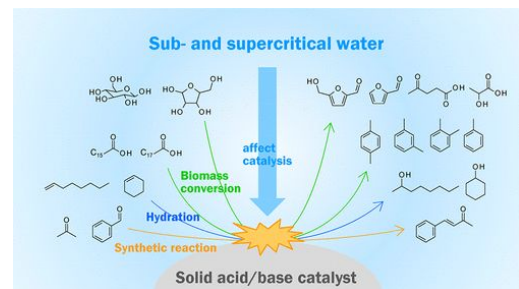
Makoto Akizuki* and Yoshito Oshima
Department of Environment Systems, Graduate School of Frontier Sciences, The University of Tokyo, 5-1-5 Kashiwanoha, Kashiwa, Chiba 277-8563, Japan

Ind. Eng. Chem. Res., Article ASAP

DOI: 10.1021/acs.iecr.8b00753

Publication Date (Web): April 4, 2018

[Source : industrial and chemistry research](#)

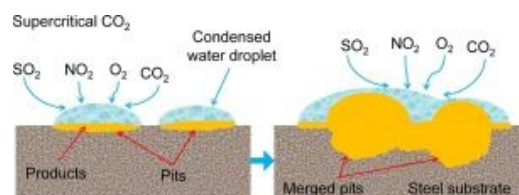


[Understanding the pitting corrosion mechanism of pipeline steel in an impure supercritical CO2 environment](#)

In Press, Accepted Manuscript, Available online 11 April 2018

Yong Xiang, Chen Li, Wuermanbieke Hesitao, Zhengwei Long, Wei Yan

[Source : Science Direct](#)

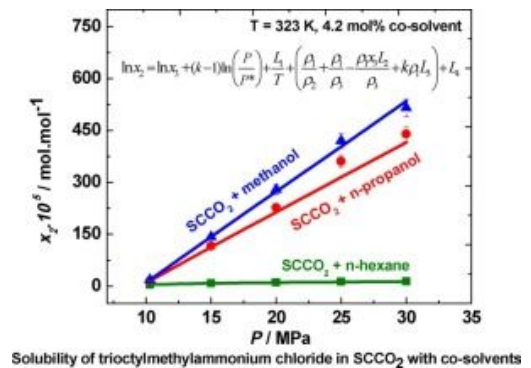


Solubility of trioctylmethylammonium chloride in supercritical carbon dioxide and the influence of co-solvents on the solubility behavior

In Press, Accepted Manuscript, Available online 10 April 2018

K.C. Pitchaiah, Neha Lamba, N. Sivaraman, Giridhar Madras

[Source : Science Direct](#)

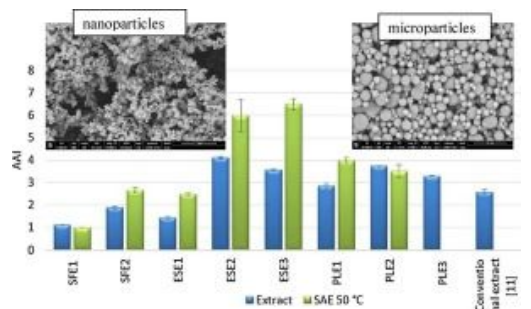


Generation of potent antioxidant nanoparticles from mango leaves by supercritical antisolvent extraction

In Press, Accepted Manuscript, Available online 7 April 2018

M.C. Guamán-Balcázar, A. Montes, M.T. Fernández-Ponce, L. Casas, ... E. Martínez de la Ossa

[Source : Science Direct](#)



SCF
Products
Market
SCF
Products
Market

April 9 2018

[Huile d'Eglantier bio: Amazon.fr: Beauté et Parfum](#)
[Amazon](#)



“Organic Rosehip oil got through CO₂ extraction commercialized by Huiles et Sens, french Company ”



April 6 2018

[Sederma Wins PCHI Fountain Award - GCImagazine](#)

www.gcimagazine.com/.../Sederma-Wins-PCHI-Fountain-Award-4...

Sederma was awarded the PCHI Fountain Award for Green/Sustainable Active Ingredient for Apiscalp, a natural extract of Apium graveolens (celery) seeds obtained by supercritical carbon dioxide extraction.



April 9 2018

[Tattva's Herbs Products - Tattva's Herbs](#)

<https://www.tattvasherbs.com/brands/Tattva%27s-Herbs.html>

Ashwagandha Full Spectrum **CO2 Extract** 500 mg - 120 Vegetarian Capsules. \$39.95 \$34.95. Compare. Add To Cart · Ashwagandha Full Spectrum **CO2 Extract** 500 mg - 240 Vegetarian Capsules -(2 pack- · Ashwagandha Full Spectrum **CO2 Extract** 500 mg - 240 Vegetarian Capsules -(2 pack- 120ct/ea). \$74.95 \$64.95.



Extended technologies
extended technologies

April 6 2018

[Lancement de la nouvelle plateforme d'échange en écologie ...](#)

<https://ville.montreal.qc.ca/.../lancement-de-la-nouvelle-plateforme-dechange-en-ecol...>

Publié le 6 avril 2018 dans Chimie verte, En vedette. Le Conseil Patronal de l'Environnement du Québec (CPEQ) a récemment lancé une toute nouvelle plateforme électronique d'échange de matières résiduelles et autres ressources. L'objectif de cette plateforme consiste à faciliter les échanges d'énergie, de matières ...



"A web platform launched in Quebec dedicated to exchange of residuals waste. "

April 5 2018

[La chimie du végétal remplacera-t-elle le pétrole ... - Innovation REVIEW](#)

www.innovationreview.eu/articles.php?article_id=2578

- La réduction de la dépendance aux énergies fossiles passe par une accélération de l'innovation en matière de chimie verte. Carburant, plastique ou polymères de toutes sortes ... D'autres entreprises investissent dans la R&D pour proposer des solutions innovantes. En témoigne la dernière remise des Prix Potiers, qui

...



"Article dealing with bio-based and agro-materials chemistry versus conventional chemistry. "



If information about event, company, scientific articles appear on the Internet several times (either on one week or one month) : the piece of information will be placed only once in the Supercritical Watch Weekly Report. Due to the huge number of data editing or up-dating every week on CBD process, products, consumer advice : only a selection of news is done and reported in the Supercritical Watch Report.

Comments or advice on web article lecture is provided through the following icon :

