

QUALITAT FORMAL DE REVISTES CIENTÍFIQUES

Leda Xhelo

Institut d'Estudis Catalans, Barcelona

E-mail: exhelo@iec.cat



4JRC

quartas jornades de revistes científiques

Barcelona, 9 i 10 de juny de 2011
Sala Prat de la Riba, Institut d'Estudis Catalans

Índex

Introducció (Importància de les normes de qualitat)

Qualitat de la revista

Qualitat dels articles científics

Aspectes futurs

Conclusions

REVISTA CIENTÍFICA

Qualitat formal



Qualitat del contingut

Imprescindible per:

Responsabilitat científica
dels autors, revisors i editors

- ➔ millora de la **qualitat de la transferència** de la informació científica.
- ➔ **difusió** de la revista i la seva presència en les bases de dades
- ➔ **èxit de la comunicació** científica

Recerca



Revistes?



Redacció d'article



Normes establertes



Normes establertes**Perquè?****Que asseguruen?****Quines repercussions tenen?**

- Augment de la activitat investigadora
- Universalització de la ciència
- Necessitat de cooperació

- Reproductibilitat de la investigació
- Precisió
- Accessibilitat
- Redueix els obstacles que s'oposen a la transferència de la recerca

- A tots els agents que intervenen en el procés de transferència d'informació
- A la seva difusió indirecta: presència de les revistes en les bases de dades nacionals i internacionals.

Un ús eficient de les bases de dades exigeix el compliment de criteris formals

ISI Web of KnowledgeSM

All Databases | Select a Database | Web of Science | Additional Resources

Search | Search History | Marked List (0)

ALL DATABASES

Search for:

in **Topic**

Example: oil spill mediterranean*

AND in **Author**

Example: O'Brian C OR OBrian C**




AND in **Publication Name**

Example: Cancer OR Journal of Cancer Research and Clinical Oncology*

[Add Another Field >>](#)

Searches must be in English

Limit to: **All Years**

Field Tags	Booleans
TS=Topic	AND OR NOT SAME
TI=Title	
AU=Author 	
GP=Group Author 	
ED=Editor	
SO=Publication Name 	
PY=Year Published	
CF=Conference	
AD=Address	
OG=Organization	
SG=Suborganization	
SA=Street Address	
CI=City	
PS=Province/State	
CU=Country	
ZP=Zip/Postal Code	
FO=Funding Agency	
FG=Grant Number	
FT=Funding Text	

Advanced Search. Use 2-character tags, Boolean operators, parentheses, and set references to create your query. Results appear in the Search History at the bottom of the page.

Example: TS=(nanotub SAME carbon) NOT AU=Smalley RE #1 NOT #2 [more examples](#) | [view the tutorial](#)*

Searches must be in English

El nom / codi del projecte i d'agència que ha recolzat la investigació que ha dut a terme l'article



Qualitat formal de la revista

- ☞ Qualitat informativa
- ☞ Qualitat editorial
- ☞ Qualitat científica

Qualitat de la revista

Qualitat informativa

- ☞ **Títol, volum, número i data** (mes i any), número internacional normalitzat per a publicacions en sèrie (ISSN) en versió paper, ISSN en versió digital.
- ☞ **URL de la de la revista**
- ☞ **Identificació de l'entitat editora i patrocinadora.**
- ☞ **Periodicitat de la revista.**
- ☞ **Antiguitat:** l'any d'inici i, si escau, el de reinici.



Revista semestral de la Societat Catalana de Terminologia, societat filial de l'Institut d'Estudis Catalans. La primera publicació apareix a l'any 2009.

ISSN: 2013-6706 (edició electrònica); 2013-6692 (edició impresa).

Qualitat de la revista

Qualitat informativa

- ☞ Identificació del **director o responsable** de la revista.
- ☞ Identificació dels membres del **Consell Editorial**, incloent-hi l'afiliació institucional de cada un d'ells.
- ☞ Identificació dels membres del **Consell Científic** incloent-hi l'afiliació institucional de cada un d'ells.
- ☞ **L'adreça postal i el correu electrònic** de la revista.



Journal of Catalan Intellectual History
 Revista d'Història de la Filosofia Catalana

PÀGINA INICIAL QUANT A INICI DE LA SESSIÓ REGISTRE CERCA

Pàgina inicial > Quant a la revista > Equip editorial

Equip editorial

Editors Generals
 Pompeu Casanovas, Universitat Autònoma de Barcelona (UAB)
 Josep Monserrat Molas, Universitat de Barcelona (UB)
 Xavier Serra, Universitat de València (UV)

Consell de redacció
 Antoni Abad Ninet, Universitat Autònoma de Barcelona (UAB)
 Meritxell Fernández-Barrera, Universitat Autònoma de Barcelona (UAB)
 Honorat Jaume, Societat Catalana de Filosofia, IEC
 Marta Lorente Serichol, Societat Catalana de Filosofia, IEC
 Marta Poblet, Universitat Autònoma de Barcelona (UAB)
 Anna Punsoda, Universitat de Barcelona (UB)
 Marta Roca Escoda, Universitat Autònoma de Barcelona (UAB)
 Joan-Josep Vallbé, Universitat de Barcelona (UB)

Consell Científic
 Ramon Alcoberro, Universitat de Girona (UdG)
 Jesús Alcolea, Universitat de València (UV)
 Misericòrdia Anglès, Universitat de Barcelona (UB)
 Salvador Cardús, Universitat Autònoma de Barcelona (UAB)
 Enric Casaban, Universitat de València (UV)
 Jordi Casassas, Universitat de Barcelona (UB)
 Salvador Giner, Institut d'Estudis Catalans
 Montserrat Guibernau, London University, Queens Mary College
 Thomas Glick, Boston University
 Tobies Grimaltos, Universitat de València (UV)
 Pere Lluís Font, Institut d'Estudis Catalans
 Joan Lluís Llinàs, Universitat de les Illes Balears (UIB)
 Jaume Magre, Universitat de Barcelona (UB)
 Isidre Molas, Universitat Autònoma de Barcelona (UAB)
 Antoni Mora, Societat Catalana de Filosofia, IEC
 Carles Ulisses Moulines, Ludwig Maximilians Universität, München
 Vicent Olmos, Universitat de València (UV)
 Joan Lluís Pérez Francesch, Universitat Autònoma de Barcelona (UAB)
 Joan Ramon Resina, Stanford University
 Ignasi Roviró, Universitat Ramon Llull
 Jordi Sales, Universitat de Barcelona
 Conrad Vilanou, Universitat de Barcelona (UB)

Societat Catalana de Filosofia

INSTITUT D'ESTUDIS CATALANS MCMVII

Societat de Filosofia del País Valencià

Filosòfica

Qualitat de la revista

Qualitat informativa

👉 **Definició:** L'objectiu; l'abast temàtic; el públic a qui es dirigeix la revista

👉 **Instruccions detallades als autors**
en relació amb:

Informació general de la revista

Definició i contingut

Enviament dels originals

Declaracions

Presentació i estructura dels treballs

El procés editorial que segueixen els originals

Criteris de selecció de revisors

👉 **Llistat de revisors**



**Revista
Catalana de Sociologia**

Objectius i temàtica

La *Revista Catalana de Sociologia* (RCS) és la revista promoguda i editada per l'Associació Catalana de Sociologia (ACS), entitat filial de l'Institut d'Estudis Catalans.

La revista fou fundada l'any 1995 i manté dues edicions a l'any. La seva missió és promoure i difondre la recerca en Sociologia i en altres ciències socials; facilitar el debat acadèmic i proporcionar un fòrum per als investigadors en ciències socials a través de la publicació de treballs de caire empíric, teòric o epistemològic; abastant els àmbits temàtics propis de la Sociologia.

La revista publica articles, crítiques de llibres o ressenyes seguint criteris de qualitat i aplicant els procediments d'avaluació requerits a les revistes científiques.

Des de 2010, la Revista Catalana de Sociologia inicia una nova etapa i es presenta en format digital per arribar a un nombre més ampli de persones i de manera més flexible. El sistema de gestió digital que s'utilitza és l'Open Journal System (OJS) de codi obert i ús gratuït que permet preparar la revista en línia i complir els requisits i les normatives internacionals. A partir del nº 24 la seva edició és únicament digital.

Els articles es presentaran en llengua catalana i s'admetran articles en llengua anglesa. Es podran presentar originals en altres llengües que seran traduïts al català a criteri de l'Equip Editorial.

Qualitat de la revista

Qualitat editorial

- ☞ Periodicitat
- ☞ Avaluadors externs
- ☞ Anonimat en el procés d'avaluació
- ☞ Comunicació motivada de la decisió editorial

Qualitat científica

- ☞ Exigència d'originalitat: com mínim, el 75 % dels articles han de ser treballs basats en investigacions originals.
- ☞ Almenys el 75 % dels treballs publicats han de provenir d'autors externs a l'entitat editora de la revista.

Qualitat dels articles científics

Qualitat informativa referent als autors

- ☞ Títol
- ☞ Traducció del títol a l'anglès
- ☞ Nom i cognom de l'autor o dels autors
- ☞ Adreça institucional dels autors
- ☞ Adreça completa de l'autor de correspondència
- ☞ Resum de l'article (original, anglès)
- ☞ Paraules clau de l'article en les dues llengües (original i anglès)
- ☞ El cos del manuscrit

Introducció

Material i metodologia

Resultats i discussió

Agraiments i conclusions.

Referències bibliogràfiques.

Explicacions sobre les taules, figures, abreujaments i símbols.

Innovacions a l'enginyeria d'aliments. Tecnologies emergents

Innovations in Food Engineering. Emergent technologies

ALBERT IBARZI VÍCTOR FALGUERA

Departament de Tecnologia d'Aliments, Universitat de Lleida, Espanya

RESUM: Els tractaments que reben els aliments s'enfocuen principalment a obtenir uns productes amb una major vida comercial, però que abans de res siguin segurs per al consumidor.

Les tecnologies tèrmiques són les que més àmpliament s'han aplicat per aconseguir aquestes finalitats; no obstant això, aquest tipus de tractaments incideix negativament sobre certs components del propi aliment disminuint el seu contingut en vitamines i altres nutrients, així com en característiques sensorials, que els fan menys atractius quant al seu color i propietats texturals.

Les tecnologies no tèrmiques són una alternativa als tractaments tèrmics, amb la finalitat d'obtenir un producte final de millor qualitat sensorial, però sense deixar de banda la seguretat. Aquestes tecnologies alternatives a la tèrmica poden produir aliments sense la presència de microorganismes perillosos, mantenint al mateix temps les característiques sensorials i nutritives.

PARAULES CLAU: Tecnologies Emergents, Irradiació Ionitzant, Escalfament IR, Escalfament Dielèctric, Escalfament Òmic

SUMMARY: Processing treatments applied to foodstuff are mainly focused to obtain products with an extended shelf life, but which above all are safe for the consumer.

Thermal technologies are the most commonly used hurdle to achieve these purposes; however, this type of treatments impacts negatively on certain components of food, diminishing its content in vitamins and other nutrients, as well as in sensorial characteristics that make them less attractive, as color and textural properties.

Non-thermal technologies are an alternative to thermal treatments, developed with the purpose of obtaining a final product of better sensorial quality, but without neglecting microbial safety. These alternative technologies can produce foods without dangerous microorganisms, maintaining the sensorial and nutritive characteristics at the same time.

KEYWORDS: Emergent Technologies, Ionizing Irradiation, IR Heating, Dielectric Heating, Ohmic Heating

Correspondència: Albert Ibarzi, Departament de Tecnologia d'Aliments, Universitat de Lleida, Av. Rovira Roure, 191, 25198 Lleida, Espanya. Tel. +34-973 702 555.
Adreça electrònica: albarzi@tecal.udl.cat

Qualitat dels articles científics

Qualitat informativa referent a la revista

☞ Recepció i acceptació dels treballs de recerca

Departament de Tecnologia d'Aliments, Universitat de Lleida, Espanya

Rebut: 2011-01-28 · Acceptat: 2011-02-22

RESUM: *Els tractaments que reben els aliments s'enfoquen principalment a obtenir uns productes amb una major vida comercial, però els abans de nosaltres s'ha de pensar per al consumidor*

☞ Referència bibliogràfica a l'inici de cada article

■ article

REVISTA D'HISTÒRIA DE LA FILOSOFIA CATALANA,
Volum I, Número 2, 2011 | Print ISSN 2014-1572 / Online ISSN 2014-1564
DOI 10.2436/20.3001.02.27 | Pp. 121-128
<http://revistes.iec.cat/index.php/JOCIH>

☞ Referència bibliogràfica a cada pàgina

Revista d'Història de la Filosofia Catalana. Volum I. Número 2. 2011. Pp. 121-128
JORDI SALES I CODERCH

dels anys 1930-1945 està *distorsionada*
que el diagnòstic ens pot ocupar ter
remai pel·litiu. Primerament, un

Revista d'Història de la Filosofia Catalana. Volum I. Número 2. 2011. Pp. 121-128
Sobre l'exili dels filòsofs i el *desterro* de Pere Coromines

dispositiu Yehoshua, el narrador israelià citat també per Marta Pessarrodona, que
aconsella que sempre que es tracti de pensar en guerres o similars és molt útil

Aspectes formals adaptats al



nombre creixent de revistes
i d'articles dins la mateixa
revista



nous camps de ciències i tecnologies



nou mapa de publicacions

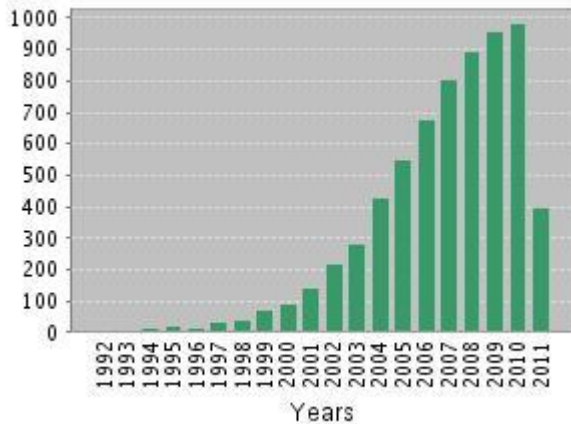


noves generacions

Citation Report

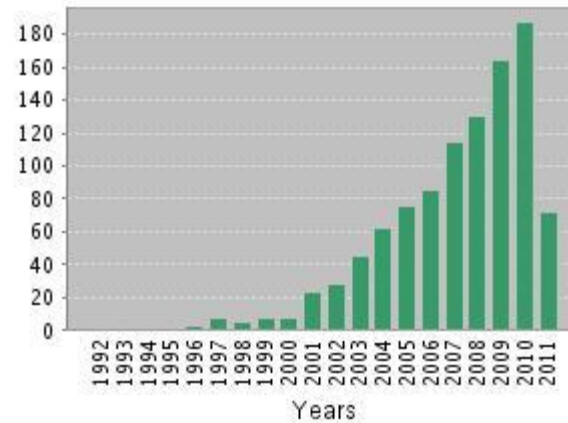
Address=(china) AND Title=(nano)

Published Items in Each Year



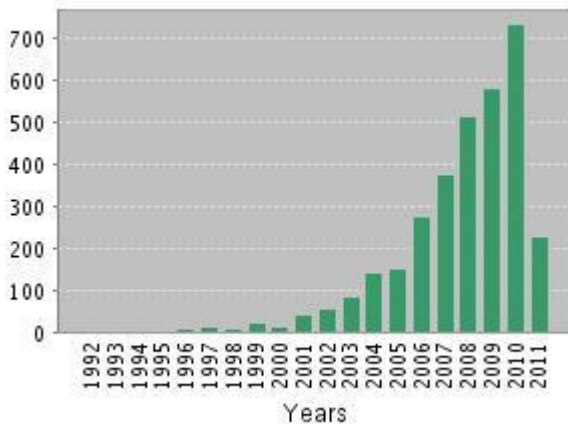
Address=(spain) AND Topic=(nano)

Published Items in Each Year



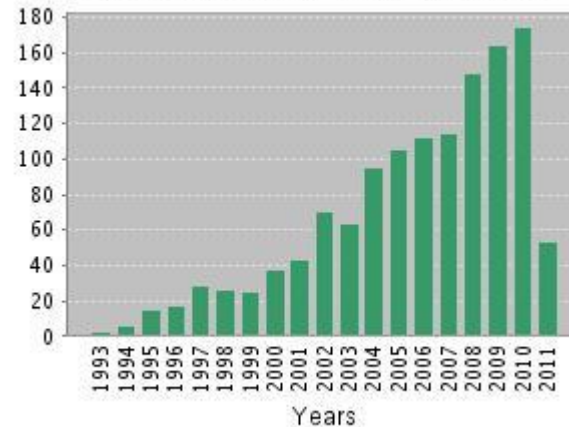
Address=(india) AND Topic=(nano)

Published Items in Each Year



Address=(russia) AND Topic=(nano)

Published Items in Each Year



Necessitat de trobar noves maneres per accelerar l'arribada dels articles als lectors i atraure la seva atenció

Acceleració de la publicació utilitzant plantilles

Possibilitat de llegir articles recentment acceptats / publicats

Imatges representatives a la pagina principal d'índex de la revista

Inclusió d'una figura / imatge dins el resum d'article

Imatges atractives a la cobertura de la revista

Vídeo articles

Informació d'articles via telefonia mòbil

Ús de les plantilles: **aceleració del procés de publicació**

ACS PUBLICATIONS
HIGH QUALITY, HIGH IMPACT.

Journal of the American Chemical Society
ACS Paragon Plus Environment

Edit Account | Instructions & Forms

Home → Manuscript Submission

You are

Author Center Submit a Manuscript

Authors are asked to review the [Information for Authors](#), and to adhere to specific guidelines when submitting **Communications** and manuscripts to be published as **Just Accepted** manuscripts. Please review these submission requirements before beginning the submission process: [Requirements for Communications](#) | [Requirements for Just Accepted Manuscripts](#)

Use of a template is mandatory for submission of a "Communication." [\[Details\]](#)

[Read More ...](#)

- 1 Type, Title, & Abstract
- 2 **Authors & Institutions**
- 3 Details & Comments
- 4 File Upload

Manuscript Type

req Manuscript Type:

req **Title** (Limit 400 characters)

L'ús d'una plantilla és obligatori per algunes revistes

Títol

TITLE (Word Style "BA_Title"). The title should accurately, clearly, and concisely reflect the emphasis and content of the paper. The title must be brief and grammatically correct. The space above the title is provided for the Journal logo. Do **NOT delete this space.**

Noms dels autors

AUTHOR NAMES (Word Style "BB_Author_Name"). Include in the byline all those who have made substantial contributions to the work, even if the paper was actually written by only one person. Use first names, initials, and surnames (e.g., John R. Smith) or first initials, second names, and surnames (e.g., J. Robert Smith). Do not use only initials with surnames (e.g., J. R. Smith) because this causes indexing and retrieval difficulties and interferes with unique identification of an author. Do not include professional or official titles or academic degrees. At least one author must be designated with an asterisk as the author to whom correspondence should be addressed.

Adreça dels autors

AUTHOR ADDRESS (Word Style "BC_Author_Address"). The affiliation should be the institution where the work was conducted. ~~If the present address of an author differs from that at which the work was done, indicate with a symbol and give the Present Address under Author Information.~~ If more than one address, use symbols to match author names to address(es).

Paraules clau

KEYWORDS (Word Style "BG_Keywords"). *If you are submitting your paper to a journal that requires keywords, provide significant keywords to aid the reader in literature retrieval.*

Resum

~~Supporting Information Placeholder~~

ABSTRACT: (Word Style "BD_Abstract"). All manuscripts ~~must be accompanied by an abstract.~~ The abstract should briefly state the problem or purpose of the research, indicate the theoretical or experimental plan used, summarize the principal findings, and point out the major conclusions. The optimal length is one paragraph.

rules, space above and below the rules, and space above and below the figure to be inserted upon editing.

El cos d'article

TEXT (Word Style "TA_Main_Text"). For full instructions, ~~please see the Guidelines for Authors.~~ Do not modify the font in this or any other section, as doing so will not give an accurate estimate of the formatting for publication and final length of the paper.

SCHEMES (Word Style "VC_Scheme_Title"). Groups of reactions that show action are called schemes. Schemes may have brief titles describing their contents. The title should follow the format "Scheme 1. Scheme Title". Schemes may also have footnotes (use Word Style "FD_Scheme_Footnote"). To insert the scheme into the template, be sure it is already sized appropriately and paste after the scheme title. For formatting double-column schemes, see the instructions at the end of the template. Do **NOT modify the amount of space before and after the title as this allows for the rules, space above and below the rules, and space above and below the scheme to be inserted upon editing.**

FIGURES (Word Style "VA_Figure_Caption"). Each figure must have a caption that includes the figure number and a brief description, preferably one or two sentences. The caption should

CHARTS (Word Style "VB_Chart_Title"). Groups of structures that do not show action are called charts.

modify the amount of space before and after the title as this allows for the rules, space above and below the rules, and space above and below the chart to be inserted upon editing.

TABLES. Each table must have a brief (one phrase or sentence) title that describes its contents. The title should follow the format "Table 1. Table Title" (Word Style "VD_Table_Title"). The title should be understandable without reference to the text. Put details in footnotes, not in the title (use Word Style "FE_Table_Footer"). Do NOT modify the amount of space before and after the title as this allows for the space above and below the table to be inserted upon editing.

Use tables (Word Style "TC_Table_Body") when the data cannot be presented clearly as narrative, when many precise numbers must be presented, or when more meaningful interrelationships can be conveyed by the tabular format. Do not use Word Style "TC_Table_Body" for tables containing artwork. Tables should supplement, not duplicate, text and figures. Tables should be simple and concise. It is preferable to use the Table Tool in your word-processing package, placing one entry per cell, to generate tables.

Displayed equations can be inserted where desired making sure they are assigned Word Style "Normal". Displayed equations can only be one column wide. If the artwork needs to be two columns wide, it must be relabeled as a figure, chart, or scheme and mentioned as such in the text.

ASSOCIATED CONTENT

(Word Style "TE_Supporting_Information"). **Supporting Information.** A brief statement in nonsentence format listing the contents of material supplied as Supporting Information should be included, ending with "This material is available free of charge via the Internet at <http://pubs.acs.org>." For instructions on what should be included in the Supporting Information as well as how to prepare this material for publication, check the Instructions for Authors at <http://pubs.acs.org/page/jacsat/submission/authors.html>.

AUTHOR INFORMATION

Corresponding Author

* (Word Style "FA_Corresponding_Author_Footer"). Give contact information for the author(s) to whom correspondence should be addressed.

Present Addresses

†If an author's address is different than the one given in the affiliation line, this information may be included here.

Author Contributions

The manuscript was written through contributions of all authors. / All authors have given approval to the final version of the manuscript. / ‡These authors contributed equally. (match statement to author names with a symbol)

Funding Sources

Any funds used to support the research of the manuscript should be placed here (per journal style).

Notes

Any additional relevant notes should be placed here.

ACKNOWLEDGMENT

(Word Style "TD_Acknowledgments"). Generally the last paragraph of the paper is the place to acknowledge people (dedications), places, and financing (you may state grant numbers and sponsors here).

ABBREVIATIONS

CCR2, CC chemokine receptor 2; CCL2, CC chemokine ligand 2; CCR5, CC chemokine receptor 5; TLC, thin layer chromatography.

REFERENCES

(Word Style "TF_References_Section"). References are placed at the end of the manuscript. Authors are responsible for the accuracy and completeness of all references. Examples of the recommended formats for the various reference types can be found at <http://pubs.acs.org/page/jacsat/submission/authors.html>. Detailed information on reference style can be found in The ACS Style Guide, available from Oxford Press.

Taules

Informació
suplementari

Altres adreces

Contribució
especifica de
cada autor

Noms de les
agencies
/organismes
que han
finançat la
recerca

Agraïments

Abreujaments

Referències

Aspecte formal d'una revista electrònica

Recull d'imatges d'articles mes destacats

ASAP (As Soon As Publishable) Articles recen publicats

Titol i una imatge d'article

ACS Publications
MOST TRUSTED, MOST CITED, MOST READ
ACS Publications Home
Langmuir

Publications A-Z Home | Authors & Reviewers | Librarians | ACS Members | Mobile | Help

Search Citation DOI Advanced Search
Anywhere Search
Langmuir All Publications/WebSite

Browse the Journal | Articles ASAP | Current Issue | Submission & Review | Subscriptions | About

2009 Articles Published **2,006**

Editor-in-Chief: David G. Whitten
Editors & EAB
About the Journal
Author Index
ACS Divisions
Colloid & Surface Chemistry
Physical Chemistry

Advertisements
PRODUCTS FOR SURFACE MODIFICATION
QUANTA BIODESIGN LIMITED
Info for Advertisers

Browse By Issue
Select Decade
Select Volume
Select Issue
List of Issues GO

Advertisements
Don't just look at your samples...
SEE them

Articles ASAP | Current Issue | Most Read | Most Cited | RSS feed

Articles ASAP (As Soon As Publishable)
ASAP articles are edited and published online ahead of print. Now showing 1-5 [View All](#)

Select All For Selected Content: [View Abstracts](#) [Download Citations](#) [Hide All Thumbnails](#)

Comparative Model Studies of Gastric Toxicity of Nonsteroidal Anti-Inflammatory Drugs
Michal Marikiewicz and Marta Pasenkiewicz-Gierula
Articles ASAP (As Soon As Publishable)
Publication Date (Web): May 13, 2011 (Article)
DOI: 10.1021/la200499p

Abstract | Supporting Info
Full Text HTML
Hi-Res PDF [6692K]
PDF w/ Links [1283K]

Figure 1 of 14 **Next**

Feature Articles
View Feature Articles

Special Issues
View Special Issues

Announcements
Free access to the Ionic Liquids Virtual Special Issue
Editor-selected biophysical chemistry research from Langmuir
ACS Publications replaces ACS Copyright Status Form with Journal Publishing Agreement.

C&EN Latest News
Making Light Of Enzymes That Methylate DNA
May 15, 2011
Epigenetics: A novel assay couples methyltransferase activity to bioluminescence.
Wiring A Single-Molecule Circuit
May 15, 2011
Electronics: Researchers link polymer nanowires to single molecules.

Amb un click es poden veure les següents figures

Aspecte formal d'una revista

Inclusió d'una figura / imatge dins el resum



COMMUNICATION

pubs.acs.org/Biomac

Laser Fabrication of Three-Dimensional CAD Scaffolds from Photosensitive Gelatin for Applications in Tissue Engineering

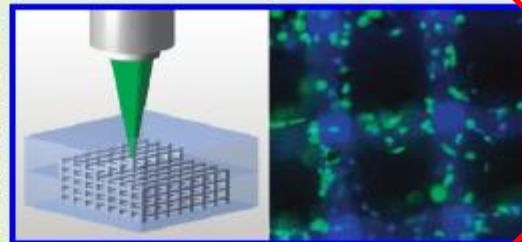
Aleksandr Ovsianikov,^{*,†} Andrea Deiwick,[†] Sandra Van Vlierberghe,[†] Peter Dubruel,[†] Lena Möller,[§] Gerald Dräger,[§] and Boris Chichkov[†]

[†]Laser Zentrum Hannover e.V., Hollerithallee 8, D-30419 Hannover, Germany

[†]University of Ghent, Polymer Chemistry & Biomaterials Research Group, Krijgslaan 281, 9000 Ghent, Belgium

[§]Institute of Organic Chemistry, Leibniz University of Hannover, Schneiderberg 1B, 30167 Hannover, Germany

ABSTRACT: In the present work, 3D CAD scaffolds for tissue engineering applications were developed starting from methacrylamide-modified gelatin (GelMOD) using two-photon polymerization (2PP). The scaffolds were cross-linked employing the biocompatible photoinitiator Irgacure 2959. Because gelatin is derived from collagen (i.e., the main constituent of the ECM), the developed materials mimic the cellular microenvironment from a chemical point of view. In addition, by applying the 2PP technique, structural properties of the cellular microenvironment can also be mimicked. Furthermore, *in vitro* degradation assays indicated that the enzymatic degradation capability of gelatin is preserved for the methacrylamide-modified derivative. An in-depth morphological analysis of the 2PP-fabricated scaffolds demonstrated that the parameters of the CAD model are reproduced with great precision, including the ridge-like surface topography on the order of $1.5\ \mu\text{m}$. The developed scaffolds showed an excellent stability in culture medium. In a final part of the present work, the suitability of the developed scaffolds for tissue engineering applications was verified. The results indicated that the applied materials are suitable to support porcine mesenchymal stem cell adhesion and subsequent proliferation. Upon applying osteogenic stimulation, the seeded cells differentiated into the anticipated lineage. Energy dispersive X-ray (EDX) analysis showed the induced calcification of the scaffolds. The results clearly indicate that 2PP is capable of manufacturing precisely constructed 3D tissue engineering scaffolds using photosensitive polymers as starting material.



Resum insertat

1. INTRODUCTION

Tissue engineering scaffolds should ideally possess the size and the morphology of the tissue defect to be treated. In addition, they should provide a mechanical support for cells as they

methacrylic acid added during the synthesis of GelMOD.² The modification degree determines to a large extent the mechanical properties of the final polymer scaffold.^{2,8} The photosensitivity of these materials enables us to control the polymerization process.

Imatges atractives a la cobertura de la revista



Vídeo articles: una nova estructura de difusió d'informació

Journal of **Visualized Experiments**

New Account Forgot Password

Email/Us

Click Here to Search

Search

Home

Browse

For Authors

What is JoVE?

Journal of Visualized Experiments (JoVE) is a video journal for biological, medical, chemical and physical research.

Sections

All

JoVE

JoVE Neuroscience

JoVE Immunology & Infection

JoVE Clinical and
Translational Medicine

JoVE Bioengineering

JoVE Basic Protocols

Follow

RSS

Twitter

05/17/2011

Hyponeophagia: A Measure of Anxiety in the Mouse

Rob M.J. Deacon

Department of Experimental Psychology, University of Oxford



Mice and rats, due to their innate cautiousness, are initially slow in consuming a novel food, particularly in a novel place. This hyponeophagia can readily be measured in the laboratory, even though laboratory animals are much less anxious than their wild counterparts

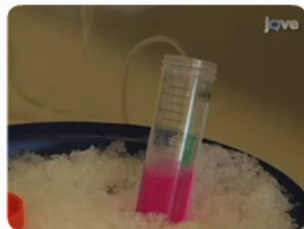
[View >>](#)

05/17/2011

Organotypic Cerebellar Cultures: Apoptotic Challenges and Detection

Tatiana Hurtado de Mendoza¹, Bartosz Balana², Paul A. Slesinger², Inder M. Verma¹

¹Laboratory of Genetics, The Salk Institute for Biological Studies, ²Clayton Foundation Laboratories for Peptide Biology, The Salk Institute for Biological Studies



This method describes the generation of organotypic cerebellar cultures and the effect of certain apoptotic stimuli on the viability of different cerebellar cell types.

estructura del video article

0:05 Title

1:52 Setting Up the Testing Apparatus

3:35 Procedure

4:32 Hyponeophagia in Mice

4:58 Conclusion

Open Access

Download Citation

RIS

EndNote, RefWorks, Reference Manager, ProCite

Key Words

[Neuroscience](#), [Issue 51](#), [Anxiety](#), [hyponeophagia](#), [bait shyness](#), [mice](#), [hippocampus](#), [strain differences](#), [plus-maze](#),

Info

05/17/2011	287	0
Publish Date	Views	Comments

doi: 10.3791/2613

download: [XML](#)

Tracking

You must be logged in to track comments.

Share this article:

<http://www.jove.com/details.stp?i>

Email this Article

BOOKMARK f t ...

My Stuff (Please log in to use)

Internet | Modo protegido:

Vídeo articles: una nova estructura de difusió d'informació

Journal of Visualized Experiments

New Account Forgot Password Email Us

Click Here to Search Search

Home Browse For Authors

What is JoVE?

Journal of Visualized Experiments (JoVE) is a video journal for biological, medical, chemical and physical research.

Sections

All

JoVE

JoVE Neuroscience

JoVE Immunology & Infection

JoVE Clinical and Translational Medicine

JoVE Bioengineering

JoVE Bioinformatics

Department of Experimental Psychology, University of Oxford


Laboratory of Genetics, The Salk Institute for Biological Studies

Clayton Foundation

05/17/2011

Hyponeophagia: A Measure of Anxiety in the Mouse

Rob M.J. Deacon
Department of Experimental Psychology, University of Oxford



Mice and rats, due to their innate cautiousness, are initially slow in consuming a novel food, particularly in a novel place. This hyponeophagia can readily be measured in the laboratory, even though laboratory animals are much less anxious than their wild counterparts

[View >>](#)

05/17/2011

Organotypic Cerebellar Cultures: Apoptotic Challenges and Detection

Tatiana Hurtado de Mendoza¹, Bartosz Balana², Paul A. Slesinger³, Inder M. Verma¹

¹Department of Experimental Psychology, University of Oxford

²Laboratory of Genetics, The Salk Institute for Biological Studies

³Clayton Foundation



0:05	Title
1:52	Setting up the Testing Apparatus
3:35	Procedure
4:32	Hyponeophagia in Mice
4:58	Conclusion

Abstract

Before the present day, when fast-acting and potent rodenticides such as alpha-chloralose were not yet in use, the work of pest controllers was often hampered by a phenomenon known as "bait shyness". Mice and rats cannot vomit, due to the tightness of the cardiac sphincter of the stomach, so to overcome the problem of potential food toxicity they have evolved a strategy of first ingesting only very small amounts of novel substances. The amounts ingested then gradually increase until the animal has determined whether the substance is safe and nutritious. So the old rat-catchers would first put a palatable substance such as oatmeal, which was to be the vehicle for the toxin, in the infested area. Only when large amounts were being readily consumed would they then add the poison, in amounts calculated not to affect the taste of the vehicle. The poisoned bait, which the animals were now readily eating in large amounts, would then swiftly perform its function.

Bait shyness is now used in the behavioural laboratory as a way of measuring anxiety. A highly palatable but novel substance, such as sweet corn, nuts or sweetened condensed milk, is offered to the mice (or rats) in a novel situation, such as a new cage. The latency to consume a defined amount of the new food is then measured.

Robert M.J. Deacon can be reach at robert.deacon@psy.ox.ac.uk

Files

JoVE Article PDF

Protocol

Journal of Visualized Experiments

www.jove.com

Video Article

Hyponeophagia: A Measure of Anxiety in the Mouse

Rob M.J. Deacon
Department of Experimental Psychology, University of Oxford

Correspondence to: Rob M.J. Deacon at robert.deacon@psy.ox.ac.uk

URL: <http://www.jove.com/index/Details.stp?ID=2613>

DOI: 10.3791/2613

Citation: Deacon R.M. (2011). Hyponeophagia: A Measure of Anxiety in the Mouse. JoVE. 51. <http://www.jove.com/index/Details.stp?ID=2613>, doi: 10.3791/2613

Abstract

Before the present day, when fast-acting and potent rodenticides such as alpha-chloralose were not yet in use, the work of pest controllers was often hampered by a phenomenon known as "bait shyness". Mice and rats cannot vomit, due to the tightness of the cardiac sphincter of the stomach, so to overcome the problem of potential food toxicity they have evolved a strategy of first ingesting only very small amounts of novel substances. The amounts ingested then gradually increase until the animal has determined whether the substance is safe and nutritious. So the old rat-catchers would first put a palatable substance such as oatmeal, which was to be the vehicle for the toxin, in the infested area. Only when large amounts were being readily consumed would they then add the poison, in amounts calculated not to affect the taste of the vehicle. The poisoned bait, which the animals were now readily eating in large amounts, would then swiftly perform its function.

Bait shyness is now used in the behavioural laboratory as a way of measuring anxiety. A highly palatable but novel substance, such as sweet corn, nuts or sweetened condensed milk, is offered to the mice (or rats) in a novel situation, such as a new cage. The latency to consume a defined amount of the new food is then measured.

Robert M.J. Deacon can be reach at robert.deacon@psy.ox.ac.uk

Protocol

1. Introduction:

Mice and rats will initially consume only small amounts of a novel food. This is thought to be because they are liable to poisoning due to their inability to vomit.

The only exception to this is if they have previously encountered another animal which has eaten that food; if they smell it on the exhaled air from their peers, they will classify it as safe¹³. This is because the food odour is paired with carbon disulphide on the other rat's breath¹². Indeed, carbon disulphide itself increases food consumption in both mice and rats¹⁷. The phenomenon is called "social transmission of food preferences" and can be used as a simple olfactory learning paradigm²². This has been reported to be sensitive to lesions of the hippocampus³, but other studies⁵ failed to replicate this finding. It has been suggested that the neocortical cholinergic system, particularly the orbitofrontal component¹⁹ may be more important than the hippocampal cholinergic system for social transmission. Social transmission has even been shown to track

Una nova forma que els articles arribin als lectors: **el mòbil** (un aspecte formal de la revista específic per al telèfon)



The image is a promotional graphic for the ACS Mobile app. On the left, the text "ACS Mobile" is displayed in a large, stylized font, with "Latest Research and News" underneath. Below this, a call to action says "Download it Now!". Two orange buttons are shown: "Available on the App Store" with an Apple logo and "Download for Android" with an Android logo. A small green "NEW" badge is next to the Android button. A blue button at the bottom says "Watch The Demo Video". On the right, a tablet and a smartphone are shown displaying the app's interface, which includes various scientific articles, charts, and graphs. In the top right corner, there is a circular seal for the "AMERICAN PUBLISHERS AWARDS" and a green Android mascot figure.

ACS Mobile received the 2010 PROSE Awards for the "Best New eProduct in Physical Sciences and Mathematics," and "Best New eProduct/Innovation in ePublishing," from The Professional and Scholarly Publishing Division of the Association of American Publishers

ACS mobile rep el premi del millor producte electrònic de les ciències físiques i matemàtiques per l'any 2010

Una nova forma que els articles arribin als lectors: el mòbil (un aspecte formal de la revista específic per al telèfon)

Wiley Journals
on iPhone or iPad



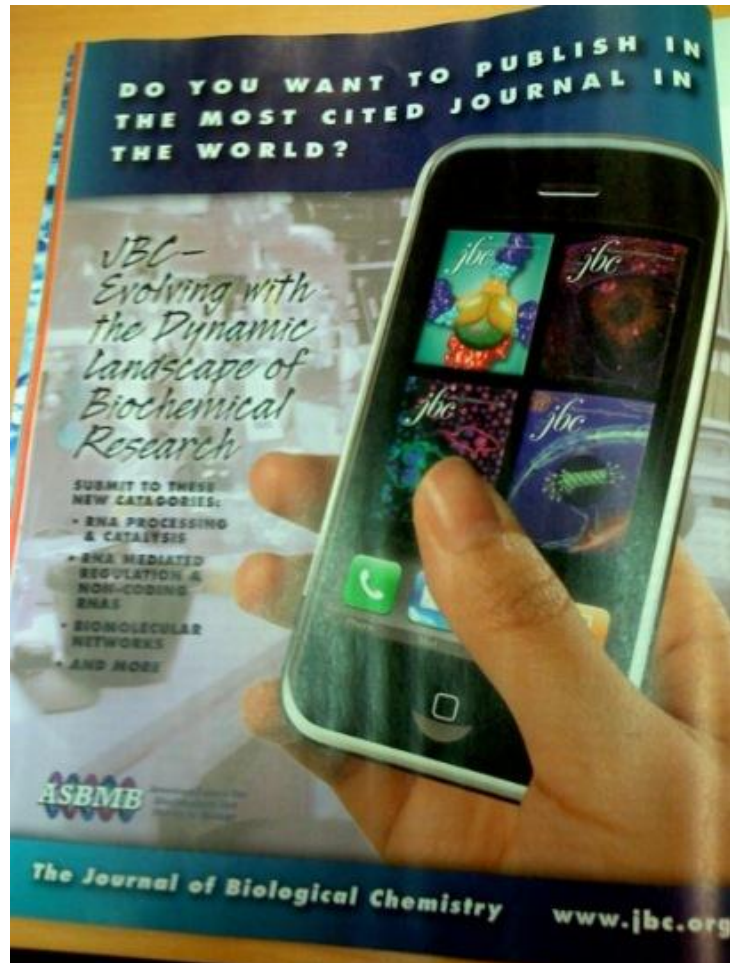
>> Using an **RSS App**
to view content
optimized for
Apple devices

DO YOU WANT TO PUBLISH IN
THE MOST CITED JOURNAL IN
THE WORLD?

*JBC -
Evolving with
the Dynamic
Landscape of
Biochemical
Research*

SUBMIT TO THESE
NEW CATEGORIES:

- RNA PROCESSING
& CATALYSIS
- RNA MEDIATED
REGULATION &
NON-CODING
RNAs
- BIOMOLECULAR
NETWORKS
- AND MORE



ASBMB

The Journal of Biological Chemistry www.jbc.org

Conclusions

- La qualitat formal de la revista i l'article, conjuntament amb el contingut científic és un factor fonamental per a l'èxit de la comunicació científica.
- El compliment dels criteris formals és imprescindible per a la integració de la revista als circuits nacionals i internacionals de difusió.
- L'ús de les plantilles ajuda a accelerar el procés de publicació a part d'assegurar el compliment de la qualitat formal de l'article.
- Els aspectes formals estan sotmesos a un procés continu de canvi adaptant-se a les noves eines de comunicació i a les noves generacions.

Editorial

DOI: 10.1002/anie.201007335

50 Years of the International Edition: More Substance than Appearance



The cover then and now

Peter Gölitz, 2010, Editor de *Angewandte Chemie*
(Química Aplicada)

MOLTES GRÀCIES!