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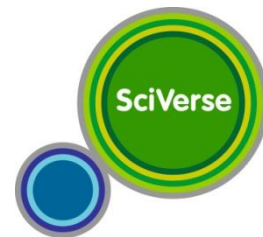
Mário Silva  
( [mario.silva@marka.pt](mailto:mario.silva@marka.pt) )

Responsável pelo Treino e Formação em Portugal

Novembro 2012



# Resumo da apresentação



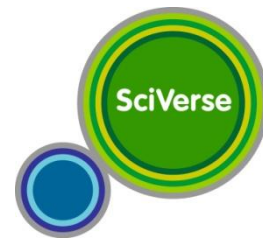
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**2. ScienceDirect**

**3. Aplicações**

**4. Perguntas e Respostas**

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Niels Bohr Physics



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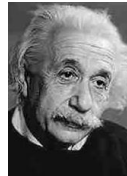
Louis Pasteur (Chemistry)



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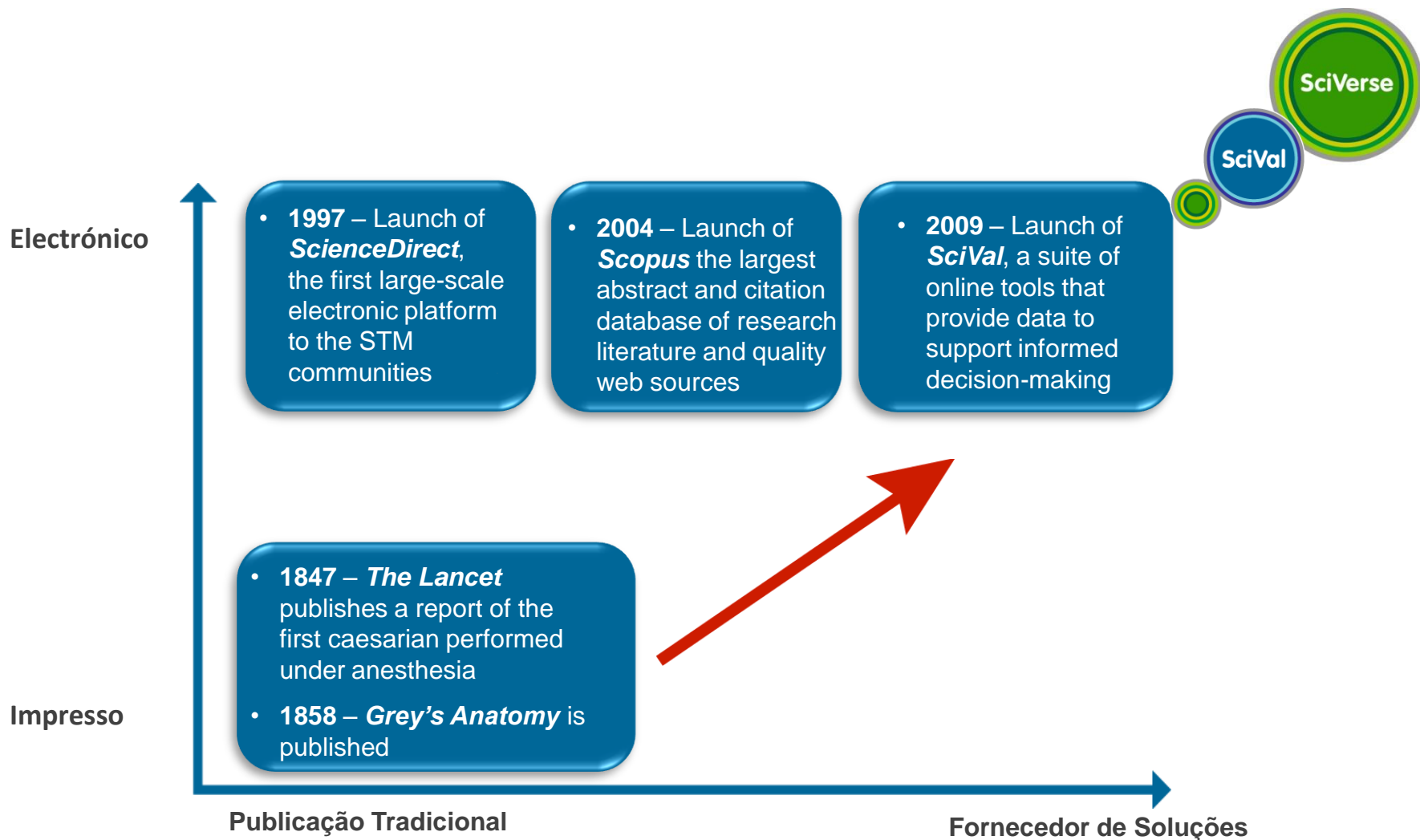


Roger D. Kornberg Chemistry

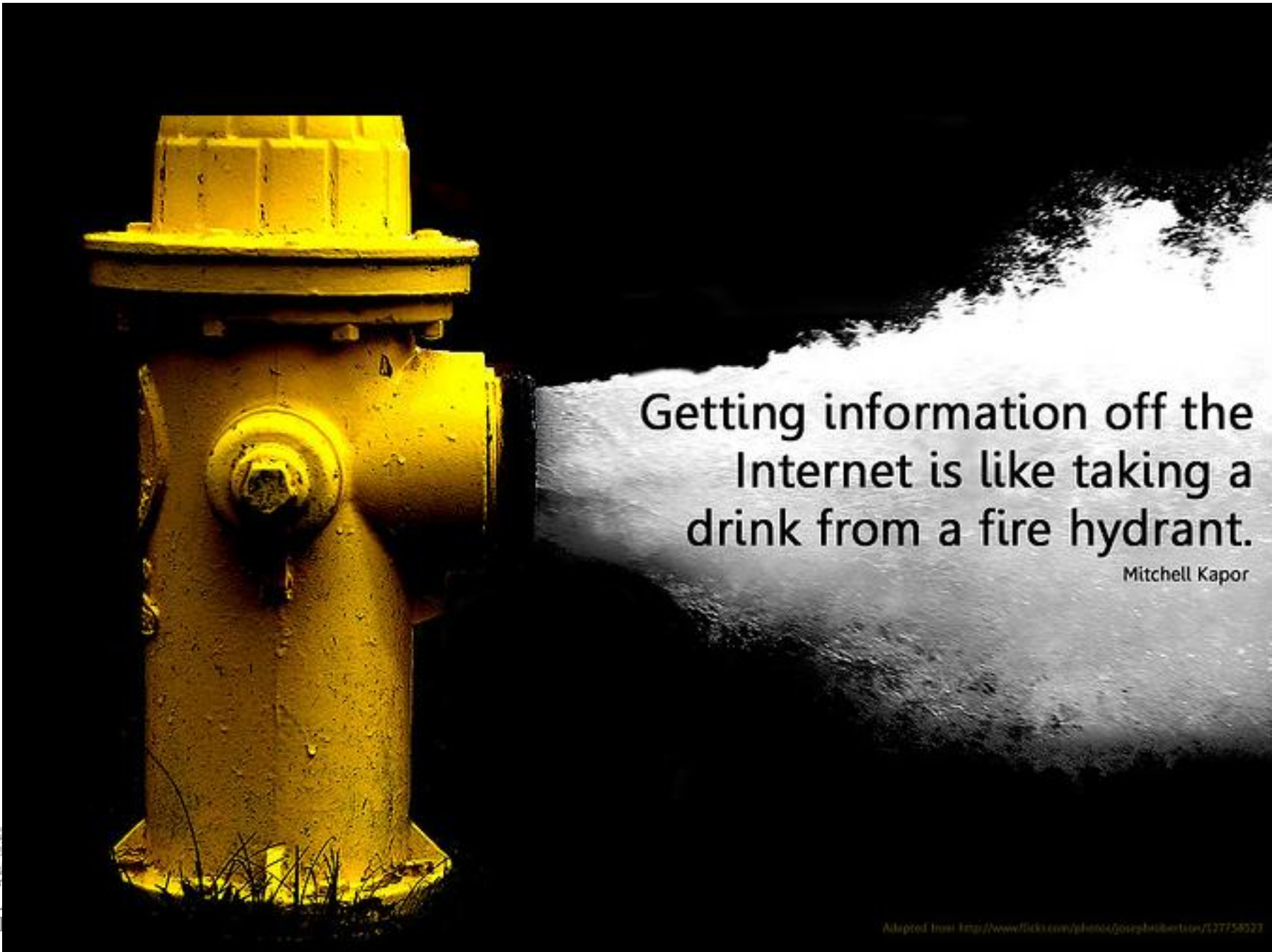


Craig C Mello Medicine





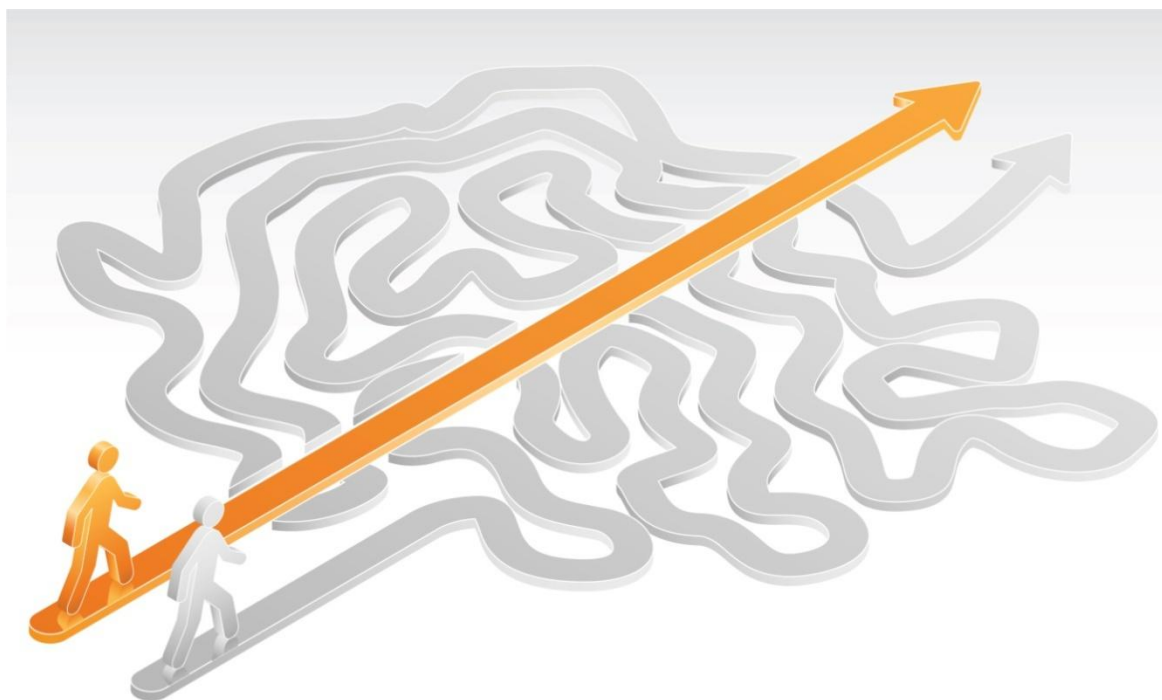
Pioneira no desenvolvimento de ferramentas electrónicas que comprovadamente melhoram a produtividade e o processo de decisão nas áreas da ciência e da saúde



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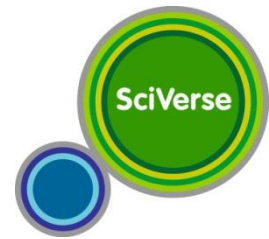
Mitchell Kapor

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# Resumo da apresentação



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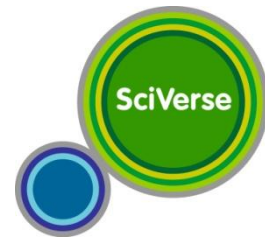
**4. Perguntas e Respostas**



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## THE LANCET

these are unnecessary, and we content ourselves by merely showing what directions their energy will be most active: To the Medical and Surgical Practitioners of this city, whose assiduous pursuit their personal attendance at the Hospital—To Country Practitioners, whose treatment from the best quarters, as it were, of scientific knowledge, leaves them almost without the means of ascertaining its progress. To the numerous classes of Students, whether here or in distant universities—To Colonial Practitioners—And, finally, to every individual in these realms. Consequently, we shall exclude from our pages the unorthodox physiology of the Schools, and adopt as its substitute, plain English fiction. In this attempt, we are well aware that we shall be assailed by such unaccounted opposition. But, notwithstanding this, we will fearlessly discharge our duty. We hope the signs of "Mental Defiance" has passed, and that mystery and concealment will no longer be encouraged. Indeed, we trust that mystery and ignorance will shortly be considered synonymous. Ceremonies, and signs, have now lost their charms; hieroglyphs, and gilded urns, have lost their power to deceive. But for these, it would have been impossible to imagine how it has happened that medical and surgical knowledge of all others the most calculated to benefit Man, should have been by him the most neglected. He studies with the greatest attention and anxiety the constitutions of his horses and his dogs, and learns all their peculiarities; whilst of the nature of his own afflictions he is wholly unacquainted, and equally unskilled as regards his own suffering. Yet, a little reflection and application would enable him to learn from himself and family all the constitutional disorders that affect society; and in addition to these advantages, his acquirements in Medical learning would furnish him with a test by which he could detect and expose the impostures of ignorant practitioners.

In conclusion—we respectfully observe, that our Columns will not be restricted to Medical intelligence, but on the contrary we shall be indebted in our exertions to render "THE LANCET" a complete Chronicle of current Literature.

OCTOBER 1, 1823

## SURGICAL LECTURES.

Theatre, St. Thomas's Hospital,  
WINDSOR, ENGLAND,  
OCT. 1, 1823.

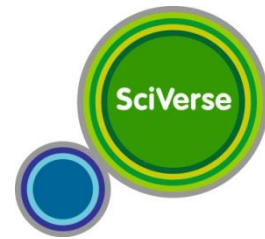
At half-past Seven this Theatre was crowded in every part, by upwards of four hundred Students, of the most respectable description; in fact we never before witnessed so grand a Surgical class: for eight was most pleasing, for they all appeared gentlemen of cultivated manners and good education.

About Eight o'clock, Sir ARTHUR COCKERILL arrived, and was received with the most enthusiastic applause; when it had ceased, this distinguished Professor commenced his discourse by observing,—That, while it is the province of the Physician to attend to internal diseases, it is the duty of the Surgeon to attend to those that are external; to perform operations for the removal of diseased parts; and to know how to regulate the system by the use of medicines, when local diseases are produced by constitutional derangement. Surgery is usually divided into the Principles and Practice. The first are learned

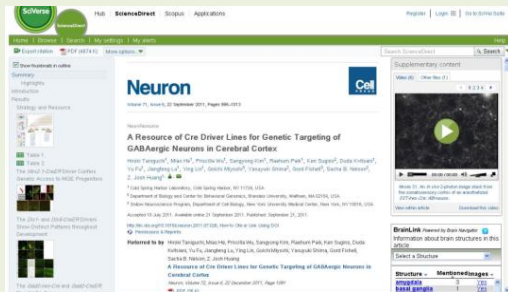
operations on the living and the dead, and by experiments made on living animals. Our inductions from these sources, furnish us with the means of knowing a malady by its symptoms, the alteration of structure in a part when diseased, and the various ways in which Nature attempts the reparative process, both in external and internal parts. A man who has seen much of morbid preparations, possesses great advantages; but his knowledge cannot be perfect unless he has frequently seen the subject under dissection, in which he must himself have assisted. In the surgical sciences hypothesis should be entirely discarded. And sound theory, derived from actual observations and experience, alone encouraged. The first is an ignis fatuus that is sure to mislead; the last a polar star, a never-fading guide. Experiments on living animals have been found of the greatest utility in directing us to a knowledge of the means by which Nature acts in the reparation of injuries, and in the restoration of lost parts. Thus the method she would adopt in uniting a fracture in the bone of a dog, will show you the manner in which union would happen in the fracture of a

The Lancet – vol 1, no. 1 - 1823.

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# Publicações na Web

## Artigo em 1976

*Inorganica Chimica Acta*, 20 (1976) 183-185  
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183

### Tin(IV) Complexes with 2-Methoxy-2'-Hydroxy Chalkones

N. S. BIRADAR\*  
Department of Chemistry, Karnatak University, Dharwar-580003  
B. R. PATIL and V. H. KULKARNI  
Department of Chemistry, Karnatak University Post-Graduate Centre, Gulbarga-5, India  
Received February 18, 1976

*Tin(IV) complexes with 2-methoxy-2'-hydroxy-5'-methyl and 2-methoxy-2'-hydroxy-5'-chloro chalkones have been prepared in benzene medium. The elemental analyses indicate Sn:L-Cl<sub>2</sub> stoichiometry (where LH is the ligand). They appear to be non-electrolytes in DMF. They are insoluble in most of the common organic solvents indicating the extended polymeric chain structure. The infrared spectral studies in the region 4000-200 cm<sup>-1</sup> suggest that tin(IV) has coordination number six in these complexes.*

#### Introduction

In the previous paper we have reported the magnetic and spectral properties of a few nickel(II) complexes with 2,2'-dihydroxy chalkones [1]. Now we have extended this study to the synthesis and spectral properties of Tin(IV) [2] and titanium(IV) complexes [3].

In this present communication we report the synthesis and i.r. spectral study of tin(IV) complexes with 2-methoxy-2'-hydroxy-5'-methyl and 2-methoxy-2'-hydroxy-5'-chloro chalkones.

I

II

#### Experimental

##### Materials and Methods

Chalkones I and II were prepared by the known method [1] using 2-OH-5-Me-acetophenone, 2-OH-5-Cl-acetophenone and 2-methoxybenzaldehyde.

##### Preparation of Complexes

Anhydrous tin(IV) chloride was of Riedel make and used as such for the complexation.

\*All correspondence to this address.

\*The values in parenthesis are the calculated values.



## Artigo em 2011

*Inorganica Chimica Acta* 363 (2010) 2016–2020

Contents lists available at ScienceDirect

*Inorganica Chimica Acta*

journal homepage: [www.elsevier.com/locate/ica](http://www.elsevier.com/locate/ica)

### Mechanism of the cobalt-catalyzed carbonylation of ethyl diazoacetate

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Dedicated to Professor László Markó on the occasion of his 80th birthday.

Keywords:  
Cobalt  
Carbene and carbonyl ligands  
C-C coupling  
Ketene  
Density functional calculations

ABSTRACT

Carbonyl cobalt complexes serve as catalysts or catalyst precursors for the facile and selective transformation of primary diazoalkanes into the corresponding ketene. The mechanism of this carbonylation reaction has been elucidated in the case of ethyl diazoacetate as model diazoalkane using octacarbonyl dicobalt as the catalyst precursor. Dinuclear cobalt complexes having ethoxycarbonylcarbene ligands in bridging position(s) have been identified as active intermediates of the catalytic cycles and their relevant chemical properties have been explored. Key step of the carbonylation is the formation of the highly reactive ethoxycarbonylketene by intramolecular coupling of a carbonyl ligand with the ethoxycarbonylcarbene ligand. DFT calculations reveal that the ketene formation takes place via a rapid coupling of the carbene ligand with one terminal CO followed by coordination of an external carbon monoxide and by a facile intramolecular rearrangement and ketene elimination. The ethoxycarbonylketene can be in situ trapped by OH, NH, or CH acid compounds or by N-substituted imines. In the presence of ethyl diethyl malonate is the only product of the catalytic carbonylation of ethyl diazoacetate. On the basis of the kinetics of the composing steps of the catalytic cycles, localization of the rate-determining step(s) under various reaction conditions has been made.

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#### 1. Introduction

Octacarbonyl dicobalt was found to be an effective deazotization reagent for (trimethylsilyl)diazomethane [1] or ethyl diazoacetate [2]. In the deazotization reaction of (trimethylsilyl)diazomethane with  $\text{Co}_2(\text{CO})_8$  (trimethylsilyl)ketene is formed selectively either under catalytic (reaction 1) or under stoichiometric (reaction 2) reaction conditions. In the presence of 10 mol%  $\text{Co}_2(\text{CO})_8$  solutions of (trimethylsilyl)diazomethane in n-hexane are selectively carbonylated at 10 °C under an atmosphere of carbon monoxide to (trimethylsilyl)ketene in up to 80% isolated yield (reaction 1).

$$\text{Me}_3\text{SiCHN}_2 + \text{CO} \xrightarrow[10^\circ\text{C, 1 bar}]{10\% \text{ mol } \text{Co}_2(\text{CO})_8} \text{Me}_3\text{SiC}=\text{C}=\text{O} + \text{N}_2 \quad (1)$$

In the absence of external carbon monoxide the coordinated carbon monoxide ligands of octacarbonyl dicobalt are consumed in the (trimethylsilyl)ketene formation (reaction 2).

$$8\text{Me}_3\text{SiCHN}_2 + \text{Co}_2(\text{CO})_8 \xrightarrow[40^\circ\text{C, 10 min}]{\Delta, 1 \text{ bar}} 8\text{Me}_3\text{SiC}=\text{C}=\text{O} + 8\text{N}_2 + 2\text{Co} \quad (2)$$

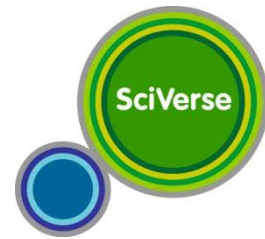
No intermediary cobalt complexes were detected by infrared spectroscopy in reactions 1 and 2. Ethyl diazoacetate behaves differently in the deazotization reaction. At ambient conditions ethoxycarbonylcarbene-bridged dicobalt carbonyl complexes 1 and 2 were isolated from the reaction mixtures in good yields (reactions 3 and 4). Under an atmosphere of carbon monoxide the ethoxycarbonylcar-

Co<sub>2</sub>(CO)<sub>8</sub> + EtO<sub>2</sub>CCHN<sub>2</sub>  $\xrightarrow[1 \text{ bar}]{0-20^\circ\text{C}}$  + 2CO + N<sub>2</sub> (82% isolated yield)

\*Corresponding author. Tel.: +36 88 624 136; fax: +36 88 624 408.  
E-mail address: [ungvary@almos.vein.hu](mailto:ungvary@almos.vein.hu) (F. Ungváry).

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# ScienceDirect – Objetivos da nova estruturação



- ✓ Optimização da divulgação da pesquisa científica
- ✓ Oferece aos autores uma melhoria na exposição da investigação
- ✓ Aumenta a cadeia de valor para os utilizadores



# Distribuição no ecrã

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2.3. Discussion

3. Experiment 2: gestural descriptions of complex scenarios

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Contents lists available at ScienceDirect



## Cognitive Psychology

journal homepage: [www.elsevier.com/locate/ycogp](http://www.elsevier.com/locate/ycogp)

### Cognitive systems struggling for word order

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<sup>c</sup> Interdisciplinary Center B. Segre, Accademia dei Lincei, Italy

#### Research highlights

- Gesture production and comprehension show a preference for a single, possibly non-native and non-syntactic word order.
- Improvised gestural communication does not rely on the computational system of grammar (syntax).
- Speech comprehension experiment demonstrates specific word order preferences in the computational system of grammar (syntax).
- The preferences for conflicting word orders in communication and language illustrate a struggle between individual cognitive systems trying to impose their preferred structure on human language.
- The results suggest that human language is the product of evolutionary tinkering.



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#### Appendix E: video 1

The video-clips describing the same vignette thus ordered in the order of the constituents



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**1. Resumo**

**2. Artigo**

**3. Extras**

# Como a reestruturação do artigo na ScienceDirect transforma o problema do utilizador em solução (1/3)



The length of pure CNTs produced from toluene at 800 °C was ca. 110±11 μm whereas CN<sub>2</sub> nanotubes synthesized from benzylamine were 17±2 μm long, i.e. only 15% of the length of the CNTs synthesized from toluene. This result shows that N slows down the nanotube formation significantly, which leads to shorter tubes [15]. Unfortunately, the length of the CB<sub>2</sub> and CH<sub>2</sub> v nanotubes could not be identified since they occurred in cotton wool-like bundles only and did not form flakes consisting of aligned tubes. However it was observed that CB<sub>2</sub> and CH<sub>2</sub> v nanotubes formed a several nm thick elastic soot layer, which may be an indication that B doping considerably increased the length of carbon nanotubes [14].

TEM investigations showed that pure CNTs and CN<sub>2</sub> nanotube samples were 'clean', i.e. they contained less than 5 wt.% amorphous carbon and almost no polyhedral carbon particles. CB<sub>2</sub> and CH<sub>2</sub> v nanotube samples produced above 1000 °C were also clean, yet samples synthesized at 800 °C contained more than 10 wt.% amorphous carbon. Fe catalyst particles encapsulated inside the nanotube core or attached to the nanotube surface were also observed.

The weight of the all samples produced using different concentrations of benzylamine was similar (ca. 0.3 g/shipment), despite the change in nanotube length and diameter. For the B-containing samples made from 10 TEB 90 toluene mixtures it was observed that the weight of the samples increased with temperature to more than 1.5 g nanotubes per 10 min experiment at 1100 °C.

At concentrations above 19% TEB in the precursor nanotube production ceased. The influence of B may be explained by the decrease of C solubility in Fe-C-B system as the temperature decreases and B content increases [35].

Apart from changing the overall morphology of the nanotubes, e.g. the number of kinks present in the nanotubes, the incorporation of nitrogen and boron in the carbon lattice also altered the inner structure of the nanotubes. TEM revealed (Fig. 2) depicts TEM images of samples synthesized at 800 and 900 °C) that the samples contained nanotubes exhibiting stacked-cone structure, nanotubes consisting of conjugated walls, and more crystalline nanotubes, i.e. nanotubes which exhibit fewer defects in the carbon lattice. The high-resolution TEM images show the differences in the nanotube wall structure which ranges from fairly crystalline pure CNTs (Fig. 2b) to the typical stacked-cone structure found in CN<sub>2</sub> nanotubes (Fig. 2d). Conjugation of the walls already occurs in tubes made from precursors containing 5% benzylamine. Similarly the walls of CB<sub>2</sub> nanotubes were also conjugated, but the walls were less undulated for CH<sub>2</sub> v nanotubes than in CN<sub>2</sub> nanotubes (Fig. 2h). The formation of nanotubes with conjugated walls is caused by the presence of N or B in the graphitic network, which induces curvature of the graphitic layer [15,35]. When both N and B were incorporated in carbon nanotubes their effect attenuated each other.

Fig. 2. TEM images of nanotubes made from toluene (a and b) benzylamine (c and d) 10/90 TEB toluene mixture (e and f) and 10/90 TEB benzylamine mixture (g and h). CNTs contained defects typical to CNTs, but had fairly crystalline structure (b). The B-doped nanotubes were straight, while their walls were conjugated (d). However the B-doped nanotubes contained many linear and conjugated walls, but the CH<sub>2</sub> v nanotubes walls were less undulated (h).

## Background:

É comum , quando o texto e a imagem relacionada com o texto não cabem no ecrã o investigador ter que manipular dois PDFs no mesmo ecrã ou abrir uma janela adicional para um dos PDFs . Na SD é possível ler o texto e ver as imagens simultaneamente e no mesmo ecrã

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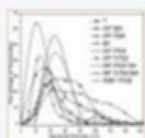
Abstract

1. Introduction

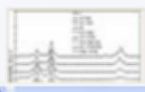
2. Experimental

3. Results and discussions

3.1. Overall structural investigation via SEM and TEM



3.2. Raman spectroscopy



The length of pure CNTs produced from toluene at 800 °C was ca.  $110 \pm 11 \mu\text{m}$  whereas  $\text{CN}_x$  nanotubes synthesised from benzylamine were  $17 \pm 2 \mu\text{m}$  long, i.e. only 15% of the length of the CNTs synthesised from toluene. This result shows that N slows down the nanotube formation significantly, which leads to shorter tubes [15]. Unfortunately, the length of the  $\text{CB}_x$  and  $\text{CN}_x\text{B}_y$  nanotubes could not be identified since they occurred in cotton wool-like bundles only and did not form flakes consisting of aligned tubes. However it was observed that  $\text{CB}_x$  and  $\text{CN}_x\text{B}_y$  nanotubes formed a several mm thick elastic soot layer, which may be an indication that B doping considerably increased the length of carbon nanotubes [14].

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The weight of the all samples produced using different concentrations of benzylamine was similar (ca. 0.3 g/experiment), despite the change in nanotube length and diameter. For the B-containing samples made from 10 TEB:90 toluene mixtures it was observed that the weight of the samples increased with temperature to more than 1.5 g nanotubes per 10 min experiment at 1100 °C. At concentration above 10% TEB in the precursor nanotube production ceased. The influence of B on the decrease of C solubility in Fe-C-B system increases [38].

Apart from CNTs, the overall morphology of the nanotubes, e.g. the number of kinks present in the nanotubes, the incorporation of nitrogen and boron in the carbon lattice also altered the inner structure of the nanotubes. TEM revealed (Fig. 2 depicts TEM images of samples synthesised at 800 and 900 °C) that the samples contained nanotubes exhibiting stacked-cone structure,

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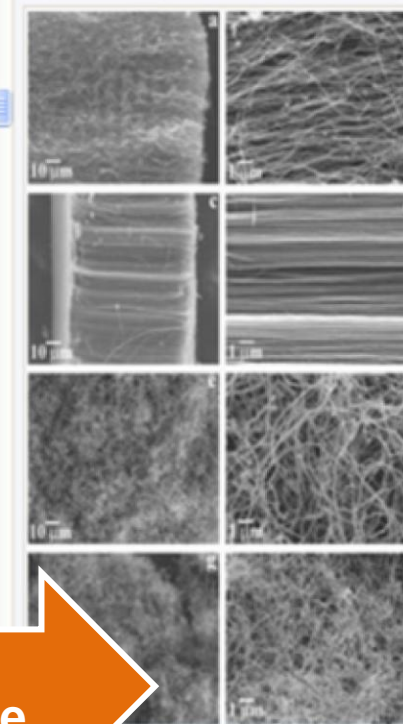
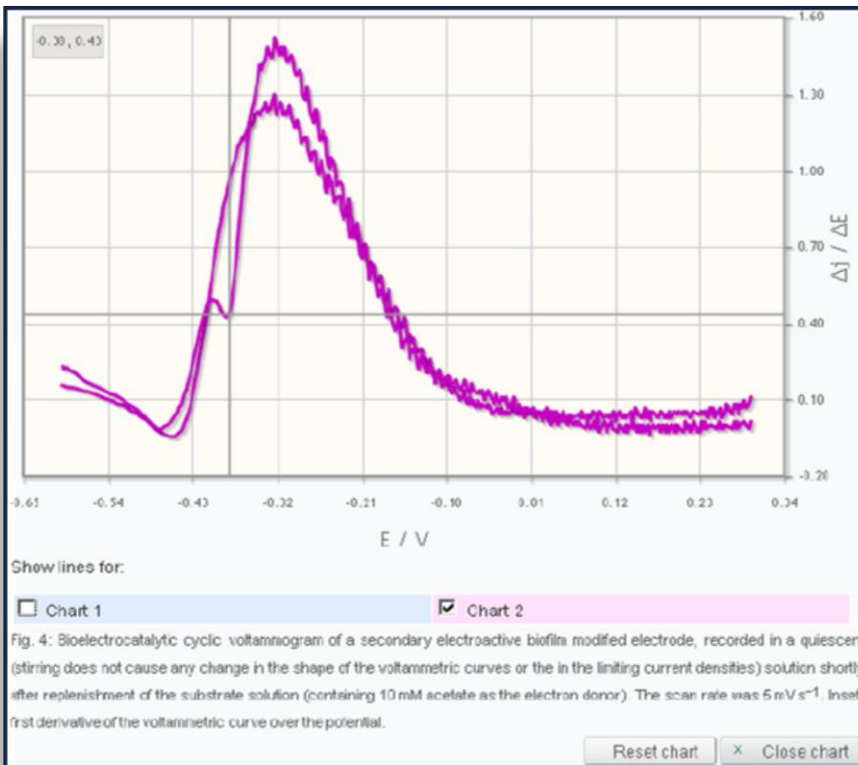


Fig. 1. SEM images of nanotubes made from toluene (a and b), benzylamine (c and d), mixture of 10 TEB:90 toluene (e and f), and 10 TEB:2 benzylamine:88 toluene (g and h). It is noteworthy, that the nanotubes produced from

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# Como a reestruturação do artigo na ScienceDirect transforma o problema do utilizador em solução(2/3)



## Problema de fundo :

Um dos problemas que nos foi posto por investigadores do sector da electroquímica foi a necessidade de imprimir gráficos para manualmente poderem escalar as medidas verticais e horizontais e assim ter informação quantitativa de pontos de interesse nos gráficos. Com a utilização dos “crosshairs” é possível ultrapassar aquele problema mas a precisão das medidas está dependente da resolução do monitor.

# Como a reestruturação do artigo na ScienceDirect transforma o problema do utilizador em solução(3/3)



Experimental flowcharts (4)

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Experiment 3

**Gesture comprehension**

In Experiment 3 we tested comprehension of gestural communication. Participants saw simple gesture clips describing the scenarios of Experiment 1.

```
graph TD
    Start((Start)) --> Read[Read instructions]
    Read --> Look[Look at the randomly selected gesture clip]
    Look --> Select[Select the image that corresponds to the gesture clip from the pair of images provided (record time)]
    Select --> Choice{Left / Right}
    Choice --> Decision{trial number < 192}
    Decision -- Continue --> Look
    Decision --> End((End))
```

3 of 4 (11/11/11)

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## Problema de fundo:

Ao observar a leitura de artigos científicos por psicólogos notamos que muitas das vezes desenhavam um tipo de “flowchart” . Fomos informados que os “flowcharts” ajudavam o investigador a compreenderem o teor do artigo especialmente em procedimentos complexos

**Psychology flowcharts** (no lado direito do monitor ) oferece ao investigador a representação do procedimento experimental.É possível seleccionar e comparar varios “flowcharts “ abrindo novas janelas

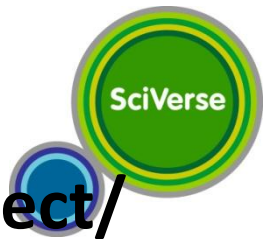
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# Aplicações



Funcionalidades como as Cited By, Related Articles, Top Hottest Articles, Volume/Issue Alerts, investigadores poupam tempo nas pesquisas e avaliações iniciais



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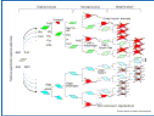
Image Type  
 Figure (14,377)  
 Table (3,169)


Content Type  
 Journal (17,471)  
 Book (670)  
 Reference Work (20)

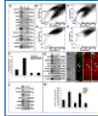
Journal/Book Title  
 Biomaterials (1,759)  
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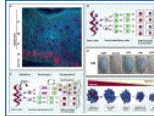
Topic  
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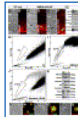
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Fig. 3. Morphogens can coordinate positional and temporal identity of stem cells. Stem cells interpret the...  
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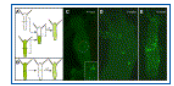
  
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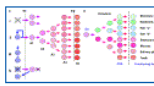
  
Fig. 9. Involvement of Notch and Wnt pathways in stem cell potential of Müller cells: analysis of transcripts...  
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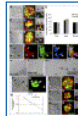
  
Fig. 1. p63 $\Delta$ N is a marker of unipotent epidermal stem cells and a potential therapeutic target that is over-expressed...  
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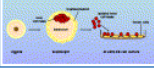
  
Fig. 7. Prospective identification and characterization of activated Müller cells: the stem cell potential of Müller cells in...  
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Fig. 1. Interstitial stem cells in Hydra. (A) Relationships at the base of animal evolution. Cnidaria are often regarded...  
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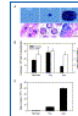
  
Fig. 3. Transgenic eGFP+ interstitial cells proliferate and differentiate in all cell types of the interstitial stem cell system. (A, B)...  
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Fig. 1. Patterns of stem cell division and differentiation. (A) A series of possible outcomes of a stem cell division. (i)...  
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Fig. 2. Stem cell properties of enriched...  
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Fig. 1. Isolation of embryonic stem cells...  
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Fig. 8. Polycomb group protein HyEED is...  
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Fig. 1. Morphology and stem cell activity in...  
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- Blood glucose:
- Insulin and C peptide:
- Lipids:
- Adverse Events

• Discussion

• References

**Introduction**

Benfluorex is a novel trifluoro compound with approximately 35% and elevates HDL cholesterol and triglyceride levels [8, 14 and 15] which may account for the improved glycaemic and insulin profiles. These findings were confirmed in humans in three clinical pharmacology studies using the current reference method for evaluating insulin resistance, the hyperinsulinemic euglycaemic clamp. [10, 11 and 12] As an increasing number of non-insulin-dependent diabetic patients respond poorly to conventional sulfonylurea or biguanide therapy, the addition of benfluorex to enhance insulin sensitivity is an obvious therapeutic option. [13] Clinical studies have already shown that benfluorex improves the glycaemic profile when added to a sulfonylurea. [8, 14 and 15] Also, compared to a biguanide, benfluorex is more effective in lowering elevated insulin and triglyceride levels, and does not elevate lactate. [16] We report a randomized double-blind study of the impact on glycaemic and insulin parameters of adding benfluorex to biguanide in poorly controlled non-insulin-dependent diabetes mellitus (NIDDM).

**Methods**

**Design**

This was a community-based multicenter double-blind study in male and female diabetic patients aged 30–70 years providing informed written consent. The inclusion criteria after an open 60-day run-in on diet plus biguanide were the following: NIDDM treated with diet + metformin alone (850 mg x 2); treatment compliance; stable inadequacy of glycaemic control, shown by a treated blood glucose 11 mmol/L or less but 7.7 mmol/L (fasting) or more and/or 11 mmol/L or more 2 h after a 75-g oral glucose load; difference of 2% or less between two HbA<sub>1c</sub> estimations 2 months apart; treated insulin 15 µU/mL or more (fasting) and/or 80 µU/mL or more 2 h post-load; and a stable excessive body-mass index (BMI) of 28.9 kg/m<sup>2</sup> or more (women) or 27.2 kg/m<sup>2</sup> or more (men) (Table 1).

Table 1. Schedule of investigations

Parameter	D-60	D0	D45	D90
Clinical examination	X	X	X	X
Height		X		
Weight		X	X	X
Waist/hip ratio		X	X	X
Blood pressure		X	X	X
Heart rate		X	X	X
Hypoglycemia screen		X	X	X
Blood biochemistry HbA <sub>1c</sub>	X	X		X
PAI <sub>1</sub>		X		X
Fasting glucose		X	X	X
Fasting insulin		X		X

- Retinal Vasculopathies: Diabetic Retinopathy
- Encyclopedia of the Eye

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 insulin resistance      diarrhea

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**7 Compounds**

benfluorex      biguanide  
 cholesterol      sulfonylurea

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**3 Tissues & Cells**

blood      liver  
 muscle

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**1 Organisms**

humans

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# Tabela de Conteudos



**1. Elsevier**

**2. ScienceDirect**

**3. Aplicações**

**4. Perguntas e Respostas**

## Galeria de Aplicações

# Galeria de aplicações



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milk proteins Search ?

About 517573 results for ALL(milk proteins)

Search within results Search

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Content Sources

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- Patent Offices (105471)
- Scopus (56661)
- MEDLINE / PubMed (16722)
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View more

Year

- 2011 (343)
- 2010 (202669)
- 2009 (41645)
- 2008 (34615)
- 2007 (30847)

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Keyword

- milk proteins
- animals
- milk protein
- casein

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- My Workflow Search**  
Do the first to review this application. My Workflow Search application allows you to search for workflows in

- Anafilaxia por hipersensibilidade a proteínas de leite de vaca em 5 meses**  
*Anales de Pediatría, Volume 70, Issue 1, January 2005, Pages 10-12*  
Jurado Palomo, J.; Martín Muñoz, M.

La alergia a proteínas de la leche de vaca (PLV) es la tercera causa más frecuente de alergia alimentaria tras la alergia a proteínas de huevo y pescado, y es la más prevalente durante el primer año de vida 1. Aunque la mayoría de las reacciones ...
- Comparative Study on Heat Stability and Functionality of Camel and Bovine Milk Whey Proteins**  
*Journal of Dairy Science, Volume 91, Issue 12, December 2008, Pages 4527-4534*  
Lalely, L.C.; Jobe, B.; Wasesa, A.A.H.

...lactoferrin in camel milk ( Farah, 1993...affect the way these proteins behave and interact...properties of bovine milk whey proteins have been thoroughly...characteristics of camel whey proteins. Materials and Methods...Preparation Fresh bovine milk was supplied by the...
- Towards proteomic analysis of milk proteins in historical building materials**  
*International Journal of Mass Spectrometry, Volume 284, Issue 1-3, July 2009, Pages 42-46*  
Kuckova, S.; Crhova, M.; Vankova, L.; Hnizda, A.; Hynek, R.; Kodicek, M.

...problematic; almost all of the milk proteins were found in both cases. The...individual peptides coming from the milk proteins. The most intensive mass peaks...posttranslational modifications of milk proteins. In this study we have started...
- Highly sensitive double-fluorescent dye staining on microchip electrophoresis for analysis of milk proteins**  
*Electrophoresis, Volume 29, Issue 12, June 2008, Pages 2533-2538*  
Okada, H.; Kaji, N.; Tokeshi, M.; Baba, Y.

...In microchip electrophoresis (ME) for analysis of milk proteins. The detection sensitivity of ME was very limited

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- Lonnerdal, B.
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- Groner, B.
- Blum, J.W.
- Fox, P.F.
- Lonnerdal, B.

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764 paragraphs

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SciVerse Hub, ScienceDirect, Scopus

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Minlie Huang

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DataStream Content Solutions

★★★★☆ (2 reviews)

SciVerse Hub, ScienceDirect

The Clinical Trials application provides a list of clinical trials that match a user's search term including the user's geographical area. Additional filtering of clinical trials is also available.

# Aplicações integradas em vários produtos

## 1 Hub results page

The screenshot shows a ScienceDirect search results page for the query "The rate of pyruvate kinase M2 is the early stages of Alzheimer's Disease". Three red boxes highlight specific elements:

- Box 1:** The article title and abstract: "Eyes-on-finding for maximizing information rate of rapid neural presentation for sensory neurons. Volume 6 Issue Sept 2, 7 2007, Pages P151. Entire Document. Understanding the response properties of single neurons is seriously limited by the available experimental time and the rate (bits/s) at which information can be gained from the neurons. A substantial improvement in the..."
- Box 2:** The article title and abstract: "Detection of global path arrangements in explained by natural image statistics. Volume 6 Issue Sept 2, 7 2007, Pages P154. Entire Document. In human vision, the perception of localized stimuli is strongly influenced by the presence and nature of surrounding elements. It has been suspected that these contextual effects are linked to the processes of image..."
- Box 3:** The article title and abstract: "Shiford: A software tool for detecting a restriction site as a marker for successful site-directed mutagenesis. Volume 6 Issue 7, 12 2006, Pages 27. Entire Document. Future Deficiency Induces Neural Stem Cell Apoptosis by Increasing Neurogenesis in Vitis. Journal of Clinical Biochemistry and Biophysics, 45(1), 14-18, 2009."

On the right side of the page, a "My Applications" sidebar is visible, listing various services like "Add more apps", "An In-Site App", "Elsevier TagCloud", "Scopus Authors", and "An In-Site App".

## 3 ScienceDirect article page

The screenshot shows a ScienceDirect article page for the title "Structural Insights into the Mechanisms of Drug Resistance in HIV-1 Protease NL4-3". A red box highlights the abstract section, which begins with: "The development of resistance to anti-retroviral drugs targeted against HIV is an increasing clinical problem in the treatment of HIV-1 infected individuals. Many patients develop drug-resistant strains of the virus after treatment with inhibitor-containing (PI/NRTI) therapy, which include multiple protease inhibitors. Therefore, it is imperative that we understand the mechanisms by which the real patients, in particular HIV-1 protease, develop resistance. We have determined the three-dimensional structure of HIV-1 protease (NL4-3) in complex with the potent protease inhibitor, 33-3, 33-8. We have also obtained the crystal structure of three mutant forms of NL4-3 protease."

## 2 Scopus abstract page

The screenshot shows a Scopus abstract page for the title "The epistatic activity of pyrimidine nucleosides is strongly modulated by Mycoplasma hyorhinis infection: implications for cancer therapy". A red box highlights the abstract section, which begins with: "Recent epistatic interactions have been used in chemotherapy against the treatment of cancer. Several cancers are associated with mycoplasma (i.e., Mycoplasma hominis), which codes a number of nucleoside-modifying enzymes. Pyrimidine nucleosides are essential for DNA and RNA synthesis. Mycoplasma hominis (MH) is a facultative intracellular pathogen that can be cultured in cell-free media. We have shown that MH infection modulates the epistatic activity of pyrimidine nucleosides in a cell-free system. The reduction in epistatic activity could be fully restored in the presence of 2-thiothymine (2-T) or 2-thiothymine (2-T) nucleosides. A recent study of human HTLV-1 shows the epistatic activity of thymine with respect to cytosine, and we believe that our findings could be used in the design of novel cancer therapy that may be more effective when combined with a mycoplasma HTLV-1 inhibitor. © 2008 Elsevier Inc. All rights reserved."

## 4 ScienceDirect results page

The screenshot shows a ScienceDirect search results page for the query "Characteristics and outcomes of 1750 women with breast cancer in women over 70 years of age". A red box highlights the abstract section, which begins with: "Anthracycline derivatives were designed and evaluated as dual CDK2/CDK7 kinase inhibitors. A preference was found for both the phenol and the imino moieties. High affinity for the kinase was observed. The presence of a phenol hydroxyl group appeared to be a new key feature. Selected molecules in the series constructed a core activity against human tumor cell lines."



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Librarian, Middle East

Apps for Science

A COMPETITION BY ELSEVIER



**iSpeech Audio Reader**

iSpeech, Inc.

★★★★☆ (1 reviews)

ScienceDirect



Added





# Leitor eReader App no SD

The screenshot displays the ScienceDirect website interface. At the top, there are navigation links for Hub, ScienceDirect, Scopus, and Applications. The user's name, Olivier Diesnis, and options for Logout and Go to SciVal Suite are visible. Below the navigation bar, there are links for Home + Recent Actions, Browse, Search, My settings, and My alerts. A search bar is present with fields for All fields, Author, Journal/Book title, Volume, Issue, and Page, and a Search ScienceDirect button. The main content area shows an article titled "International Review of Cell and Molecular Biology" with options for PDF (650 K), Export citation, and E-mail article. A text box highlights the availability of XML, EPUB, and MOBI formats. Below this, the article title "Chapter 4 The Controversial Role of Mast Cells in Tumor Growth" is shown, along with the authors' names and affiliations. The abstract text is visible. At the bottom right, a sidebar shows "eReader Formats" with a dropdown menu and a button for "Table Download". An orange arrow points to the "ePUB" and "Mobipocket" links in the sidebar.

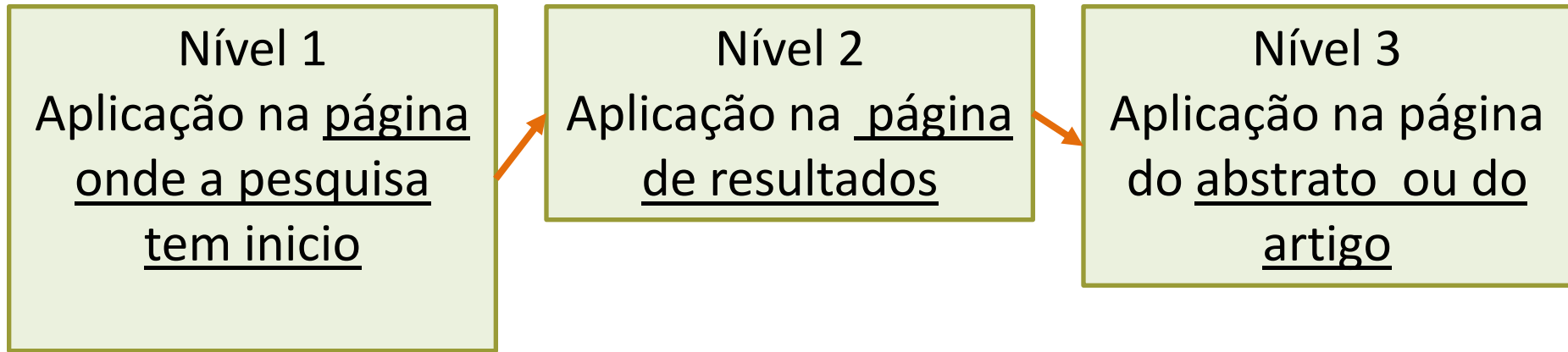
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Pesquisa  
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Gestão da  
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Análise dos  
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# O número e utilidade das aplicações continua a aumentar

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Apps na página de pesquisa

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## Nível 2

Apps na página de resultados

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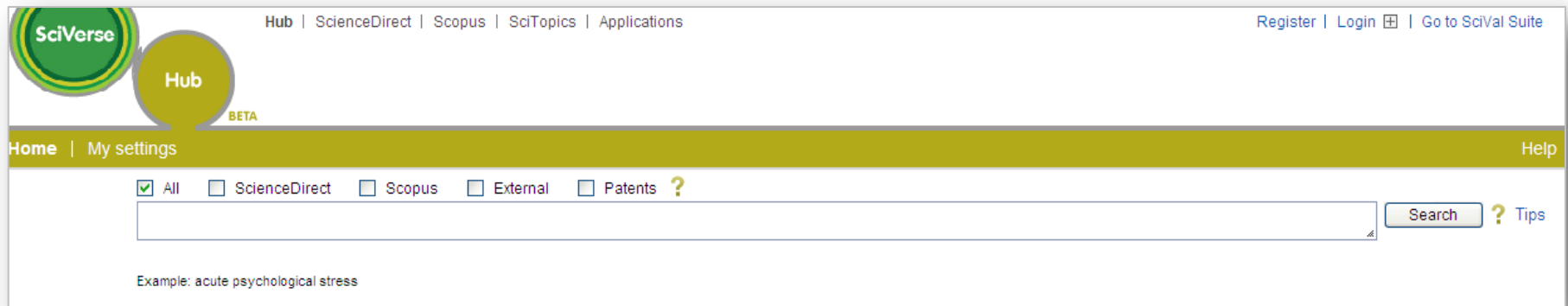
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All  ScienceDirect  Scopus  External  Patents ?

Search ? Tips

Example: acute psychological stress



## Search Translator

★★★★☆ (4 reviews)

SciVerse Hub

Free



## Methods Search

★★★★☆ (5 reviews)

SciVerse Hub

Free

HealthMash

My Oncology Articles

OdiSSea







Expert Search

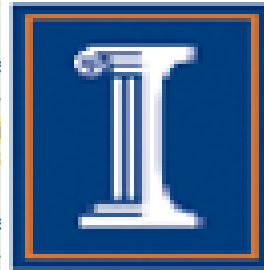
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# Nível 2: Personalização e enriquecimento da pesquisa na página de resultados

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*Sensors and Actuators A: Physical, Volume 121, Issue 2, September 2005, Pages 100-103*  
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Philippe Chanclou, Philippe Gravey, Léon Bonnel, Monique Thual  
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**Illinois Catalog Viewer**

★★★★☆ (6 reviews)

SciVerse Hub, ScienceDirect

Free



**Top Reviews**

★★★★☆ (3 reviews)

Scopus

Free

My Workflow Search

Matching Sentences

Prolific Authors

# Nível 2: Personalização e enriquecimento da pesquisa na página de resultados




The screenshot displays the SciVerse Applications interface. At the top, there is a navigation bar with 'Hub | ScienceDirect | Scopus | SciTopics | Applications' and a user profile 'Ahmed Rostom | Logout | Go to SciVal Suite'. Below this is a secondary navigation bar with 'Home | Application gallery | My applications | My settings | Developers'. The main content area is titled 'Application Gallery' and includes a sub-header: 'Choose from many applications available to help you with your research. Recent additions are listed first.' Four application cards are listed:

- Emtree**: Elsevier, 5 stars (1 review), SciVerse Hub, Scopus, Free. Description: 'The Emtree Query Analyzer app helps users get better search results by incorporating synonyms from the Emtree Biomedical Taxonomy into their query.'
- quantiFind**: 5 stars (4 reviews), SciVerse Hub, ScienceDirect, Free. Description: 'Extract and aggregate data from the Elsevier ScienceDirect corpus that is associated with a user query. Data can be visualized as a histogram or timeline to illustrate science and technology landscapes and trends.'
- Bilkent University Catalog Viewer**: Informascope, 'Be the first to review this application!', SciVerse Hub, ScienceDirect, Scopus, Free. Description: 'Search the University of Bilkent online catalog in parallel with SciVerse Hub, ScienceDirect, Scopus and view relevant results side by side.'
- Izmir Institute of Technology Catalog Viewer**: Informascope, 'Be the first to review this application!', SciVerse Hub, ScienceDirect, Scopus, Free. Description: 'Search the Izmir Institute of Technology online catalog in parallel with SciVerse Hub, ScienceDirect, Scopus and view relevant results side by side.'

# Nível 3: Personalização e enriquecimento da pesquisa na página do abstrato ou do artigo

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**Abstract** | References (45)

International Journal of Stress Management  
Volume 14, Issue 4, November 2007, Pages 386-397

doi: 10.1037/1072-5245.14.4.388 | How to Cite or Link Using DOI  
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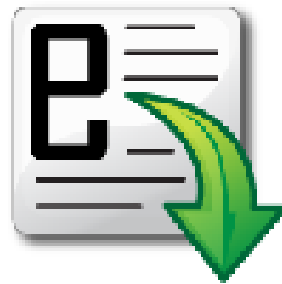
**Stress, Coping and Psychological Illness: A Cross-Cultural Study**  
Birendra K. Sinha<sup>a</sup> and David C. Watson<sup>a,1</sup>  
<sup>a</sup>Department of Psychology and Department of Psychiatry, University of Alberta, Edmonton

Available online 16 January 2008.

This cross-cultural research study aimed to explore the relationship of stress and coping in students in Canada and India. The predictor variables were stress (hassles and life events) and selected personal-social variables, namely, locus of control, self-esteem, and social support. The results revealed that the Indian students reported more psychological symptoms compared to the Canadian students. Stepwise multiple regression analyses also revealed considerable differences between the 2 samples with

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**Obrigado pela sua presença.**

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