



Programa de Seminários 2010/02

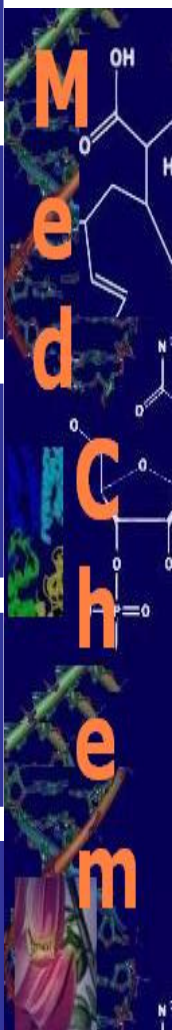
Laboratório de Avaliação e Síntese de Substâncias Bioativas

www.farmacia.ufrj.br/lassbio

Prof. Eliezer J. Barreiro



Feliz Segunda-feira!!



Título?



2

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Quais temas nos últimos cinco anos?



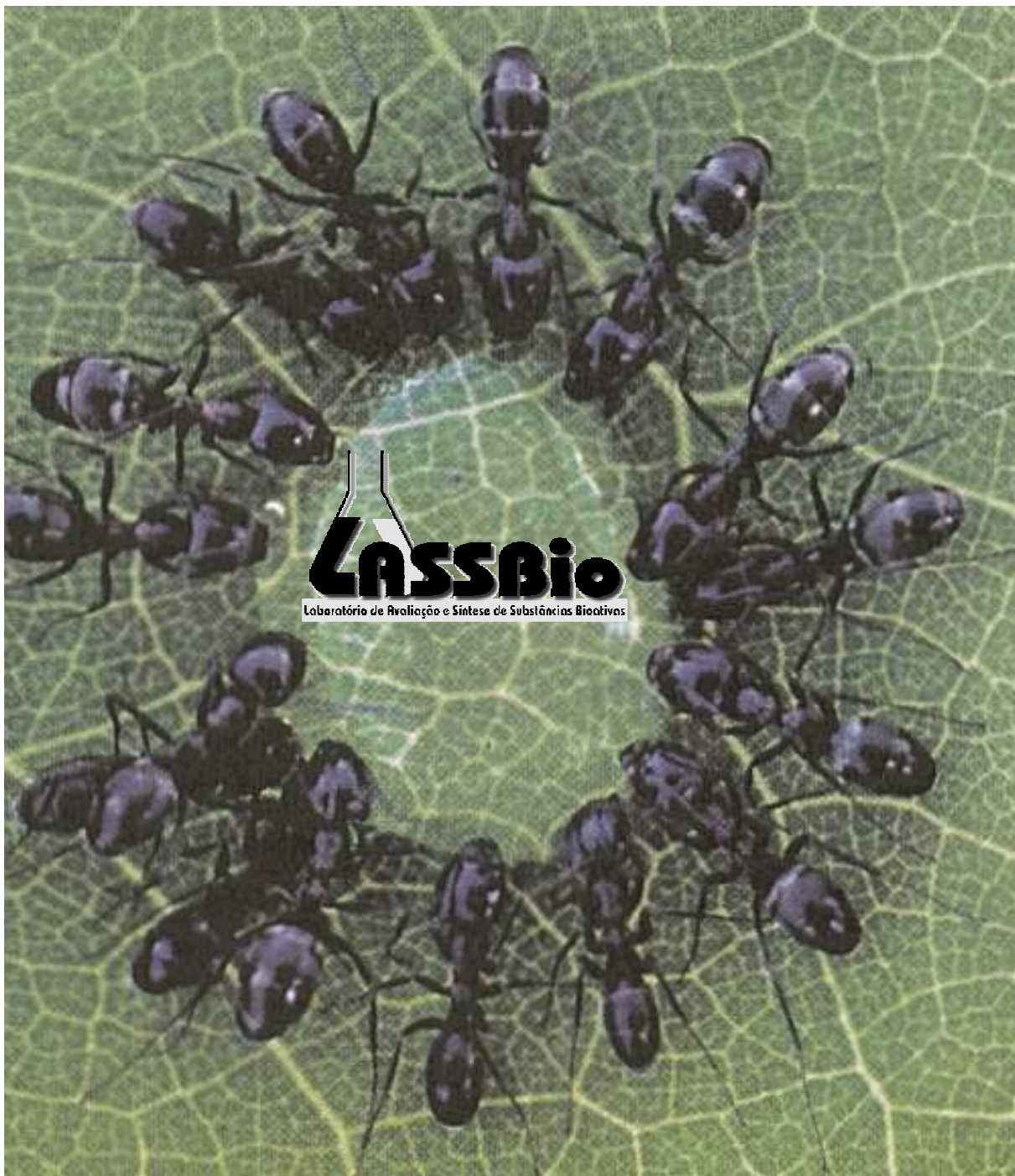
2005

A cigarra e a formiga





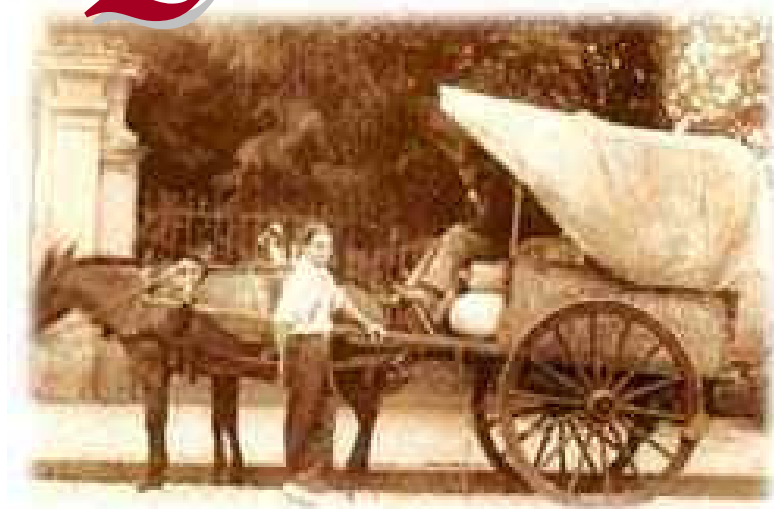
UNO2



UNO2 - LABORATÓRIO DE AVALIAÇÃO E SÍNTESE DE SUBSTÂNCIAS BIOATIVAS

Paródia da carroça:

Quanto mais vazia



α *carroça,*

mais barulho Faz!

A estratégia do bioisosterismo no planejamento molecular de novos candidatos a protótipos de fármacos



Abril de 2005
Eliezer J. Barreiro
UFRJ





medicinal chemistry

*Medicinal Chemistry
& Brazilian soccer team..*



2006
team

medicinal chemistry

Racional



"...following the lead of the real Brazilian soccer team, high work rate, enthusiasm and collective joy in achievement must be added to individual skills and tactical mastery to achieve the ultimate success..."

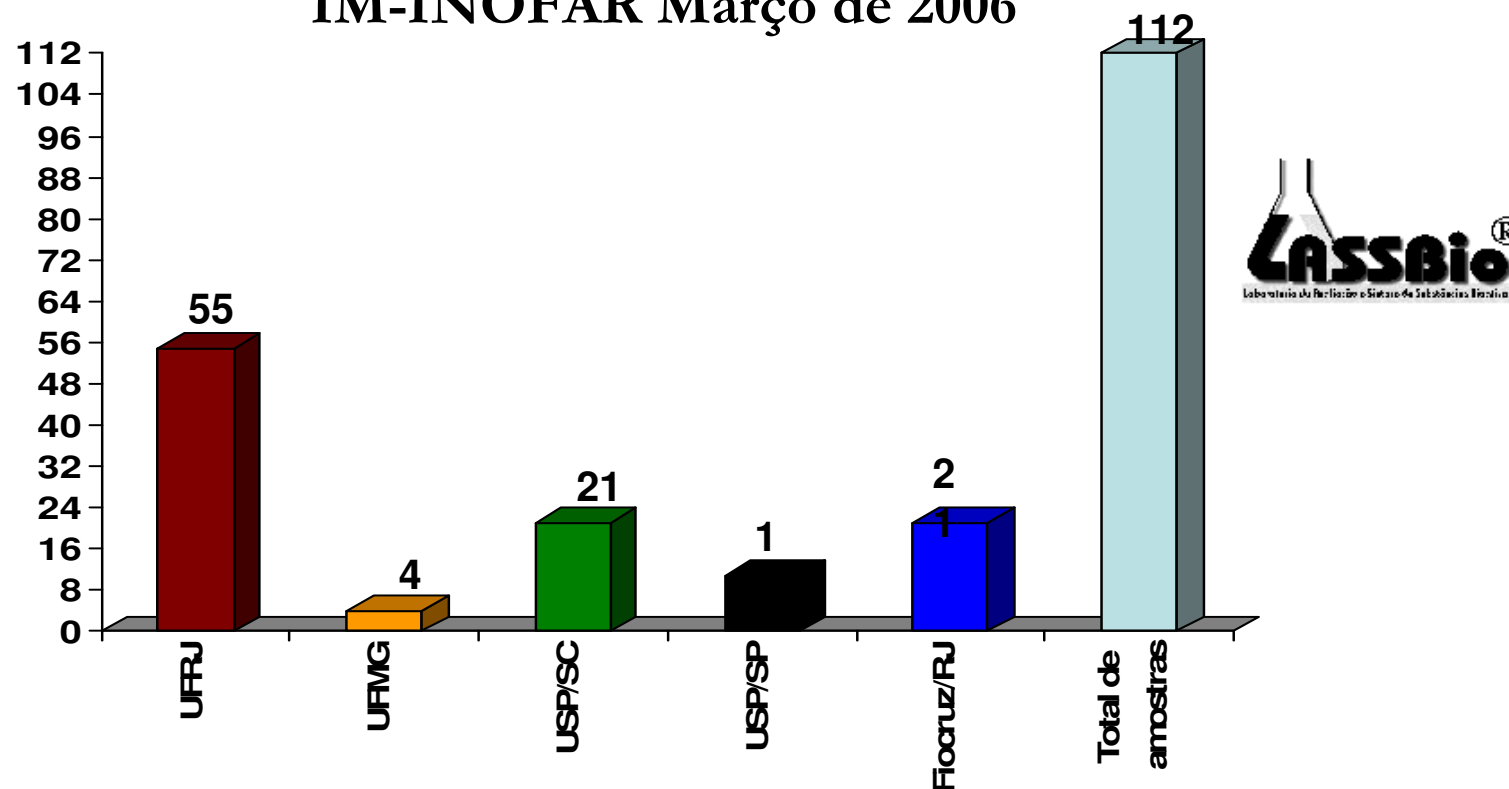
Nigel Shankley

Nature Rev. Drug Discovery, 2002

Seminário 01 / 2007



Amostras LASSBio enviadas a bioensaios em diferentes Instituições
IM-INOVAR Março de 2006



Superintendência Científica IM-INOVAR
Lima, LM abril/2006



Universidade Federal do Rio de Janeiro

Seminários

2008-01



Dr Eliezer J. Barreiro

Professor Titular - UFRJ



Laboratório de Avaliação e Síntese de Substâncias Bioativas

www.farmacia.ufrj.br/lassbio

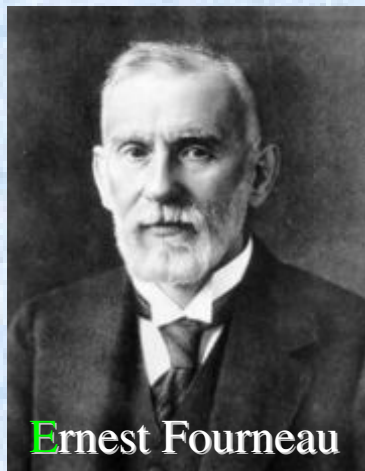
eliezer©2008



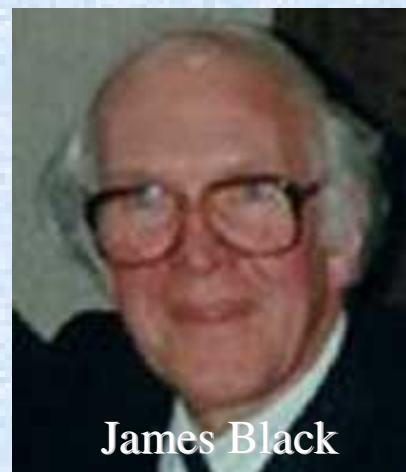
Química Medicinal



Emil Fischer



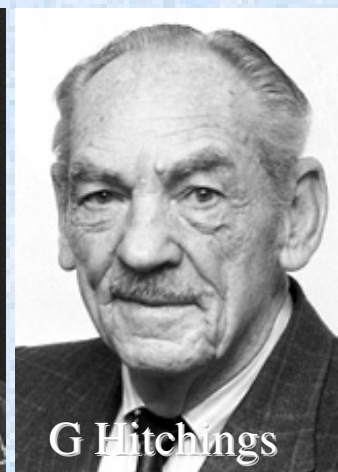
Ernest Fourneau



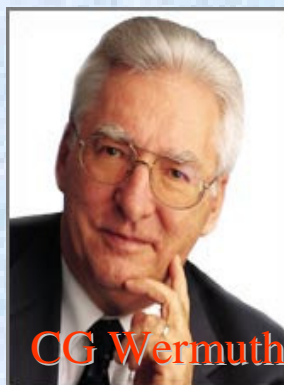
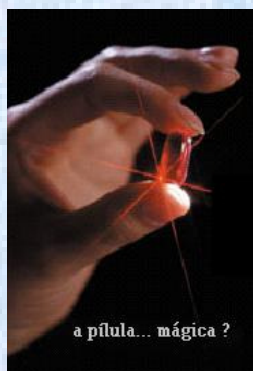
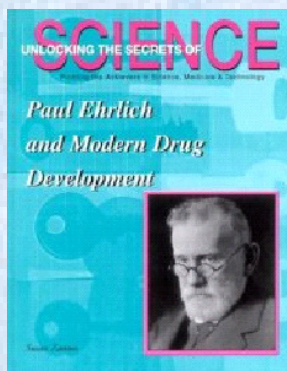
James Black



Gertrude Elion



G Hitchings



CG Wermuth



C Hansch



PS Portoghese



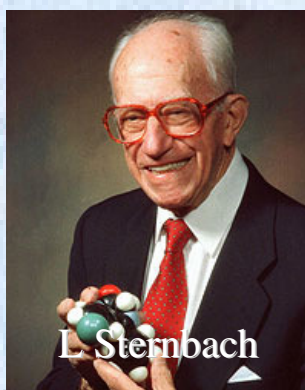
PG Baraldi



C R Ganellin



AA Patchett



E Sternbach



H Kubinyi



S Campbell



JG Lombardino





O efeito *Pasteur X* A Lei de Murphy

& a descoberta racional de fármacos

Eliezer J. Barreiro
Professor Titular
UFRJ

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O LASSBio, a Química
Laboratório de Avaliação e Síntese de Substâncias Bioativas

Medicinal, suas
moléculas inteligentes... e
como foi tudo isso. Até aqui

Seminário 1-2009

Eliezer J. Barreiro

Universidade Federal do Rio de Janeiro

Laboratório de Avaliação e Síntese de Substâncias Bioativas



Universidade Federal do Rio de Janeiro

Programa de Seminários 2009

Perspectivas dos 15y

Eliezer J. Barreiro*

Professor Titular



www.farmacia.ufrj.br/lassbio

* Programa de Desenvolvimento de Fármacos - ICB

Programa de Seminários 2009

Instituto Nacional de Ciência e Tecnologia

www.inct-inofar.ccs.ufrj.br

de Fármacos e Medicamentos

INCT-INOFAR



Contribuição à nossa capacitação em inovação em fármacos e medicamentos.



Coordenador: Eliezer J. Barreiro (UFRJ)

Vice-Coordenador: Fernando Q. Cunha (USP)



Os sutis efeitos da estrutura química na atividade

Programa de Seminários 2009/02

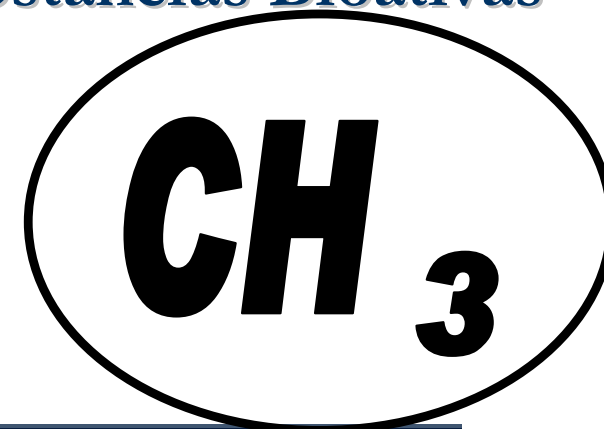
Laboratório de Avaliação e Síntese de Substâncias Bioativas

www.farmacia.ufrj.br/lasbio



Eliezer J. Barreiro

Professor Titular



Universidade Federal do Rio de Janeiro



10 seminários até aqui...



2005-2009

Química
e Medicinal

... e 2010...?

Sobre a importância do trabalho em equipe...

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...na Química Medicinal e na interdisciplinaridade!

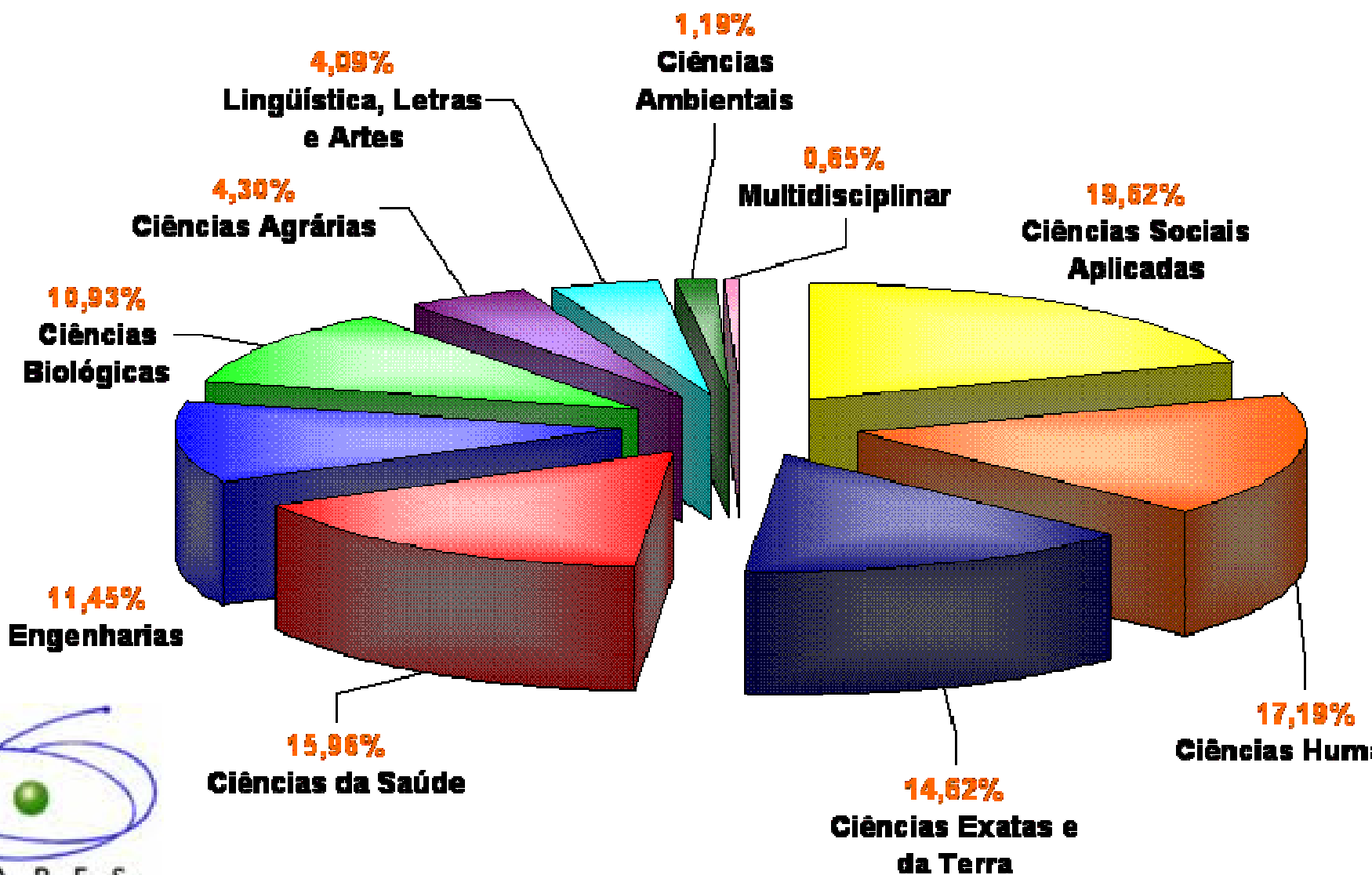
A importância do pen-drive ...

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...ecologicamente correto ...

...para a pós-graduação !



Cuidados com a modernidade...

Fim do livro-didático?

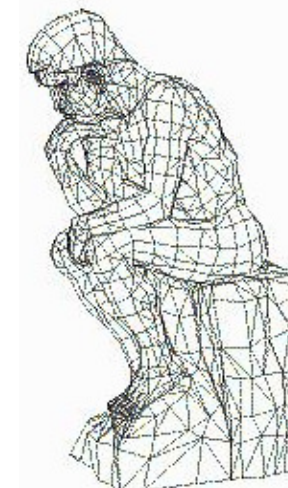


Enxergar/olhar & ver



Google

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Fim do livro-texto?!

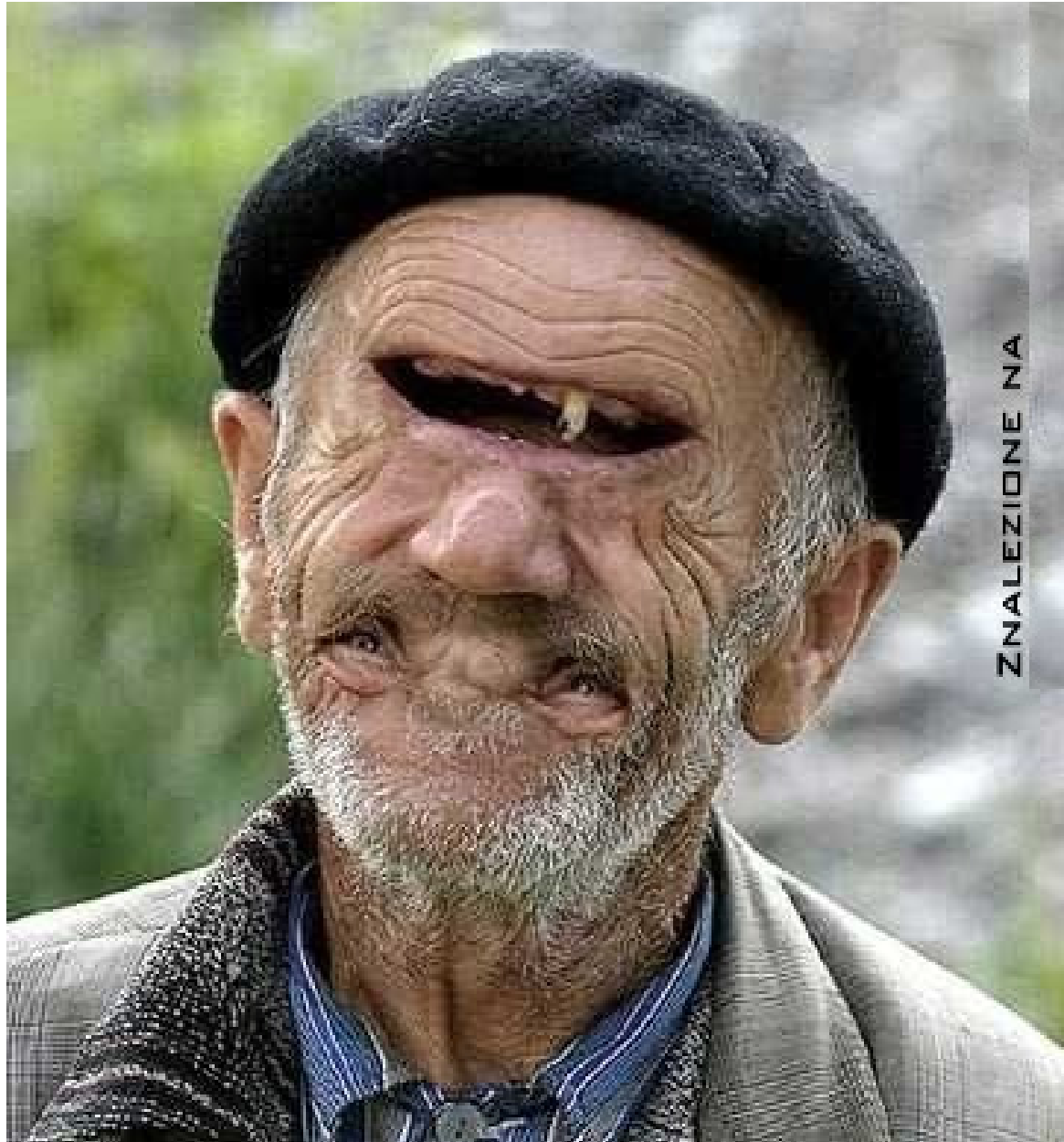
Google acadêmico

Nova cultura em bites



Cópia-cola (& não-lê!)

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ZNALEZIONE NA

Sobre a inovação radical ...



Sobre a criação de um novo periódico...

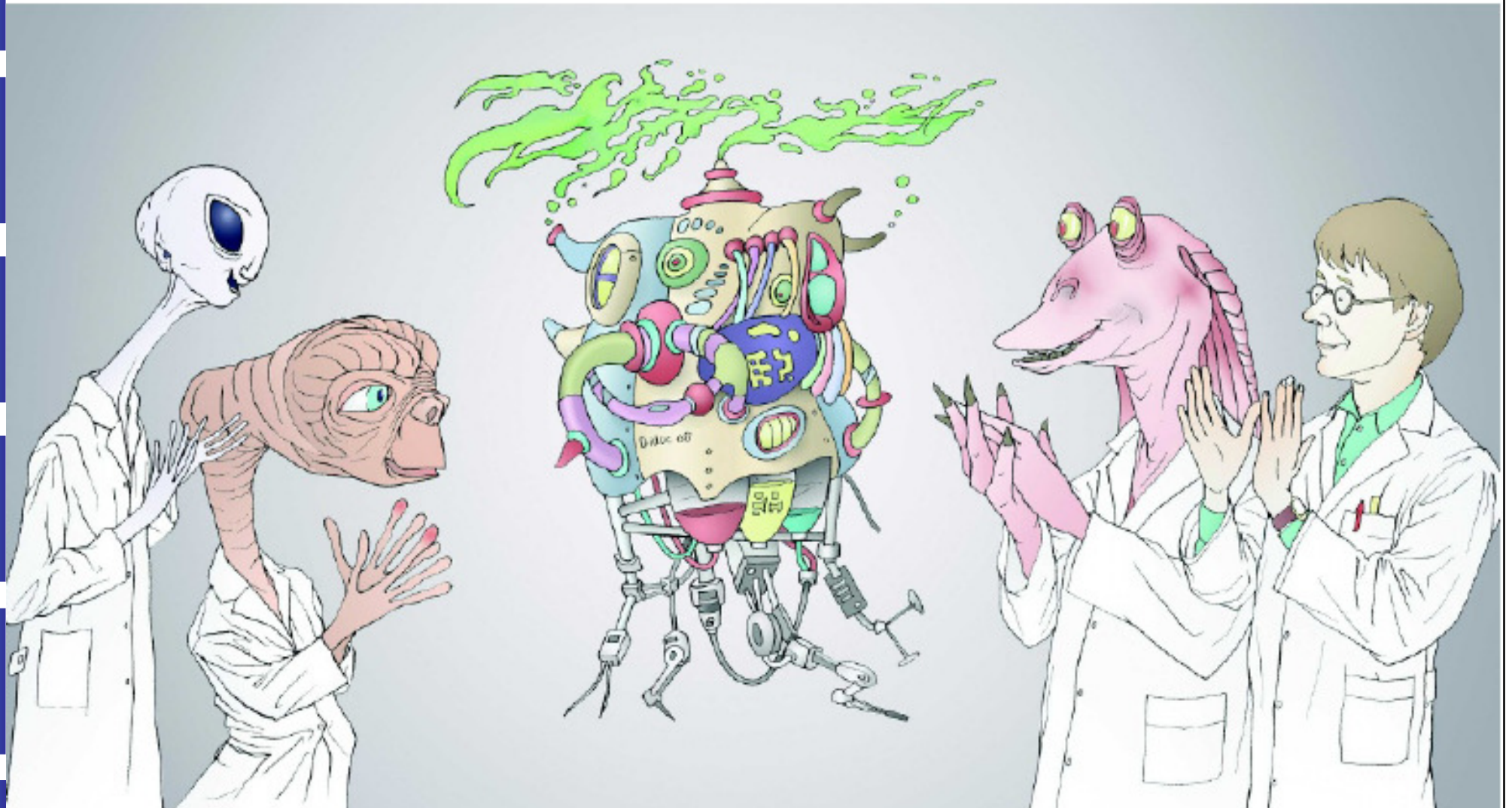
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Movimento dos Sem Resultados

Sobre a interdisciplinaridade...



Sobre as descobertas científicas ...

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“...discovery consists of seeing

what everybody else has seen

and thinking what

nobody else

has not thought...”

Albert Szent-Györgi (1893-1986)



... e seu impacto social

Drug Discovery – Editorial

Donald Kennedy
Editor-in-Chief

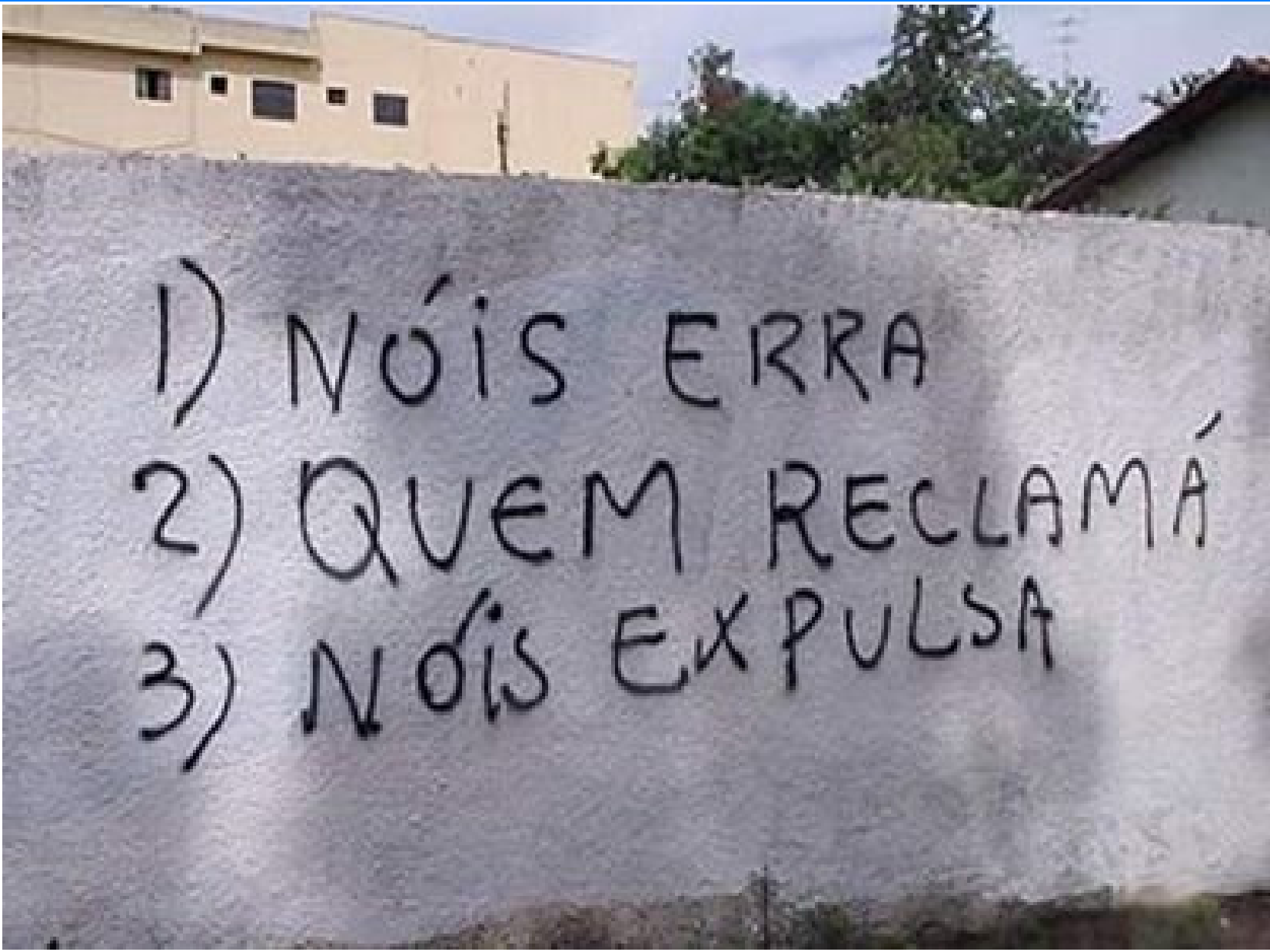


Science 2004, 303, 1717

"... The process of drug discovery is not only of scientific interest, it entails a fascinating interplay among a variety of economic, social, and political institutions.."

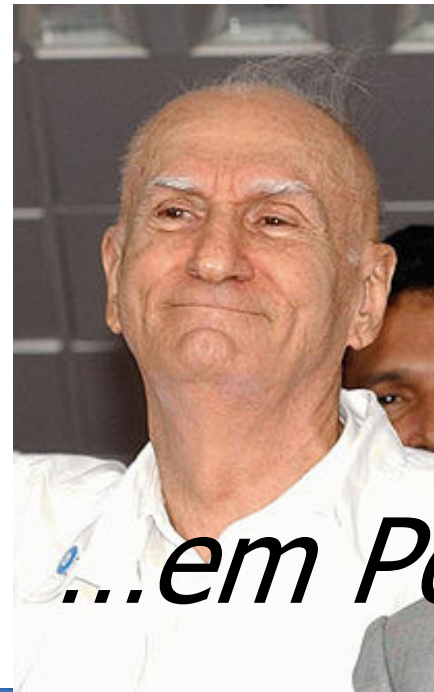
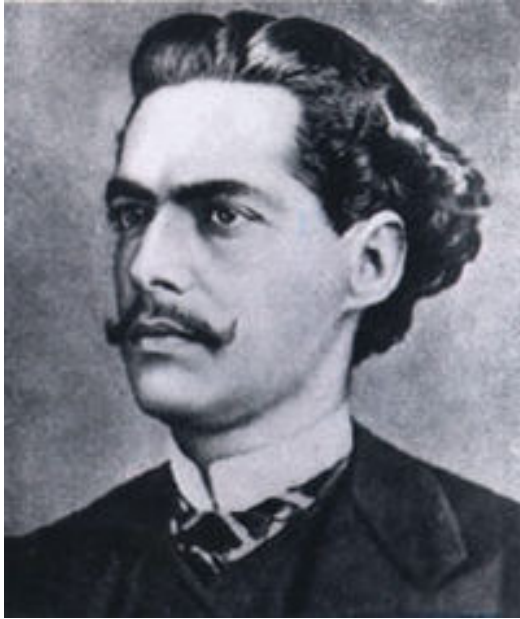
Sobre a importância da redação...

2
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... e da boa leitura...



...em Português

Até aqui...

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...já terá sido um seminário !



Prof. Angelo C. Pinto

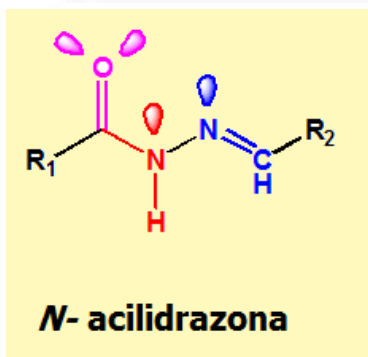
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N

LASSBio[®]



Laboratório de Avaliação e Síntese de Substâncias Bioativas



H



Inibidores de inteligência....

ISI Web of KnowledgeSM

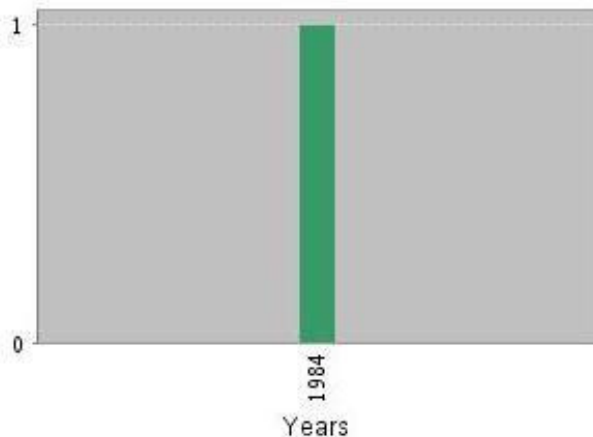
Citation Report Topic=(N-acylhydrazone)

Timespan=1980-1989, Databases=SCI-EXPANDED.

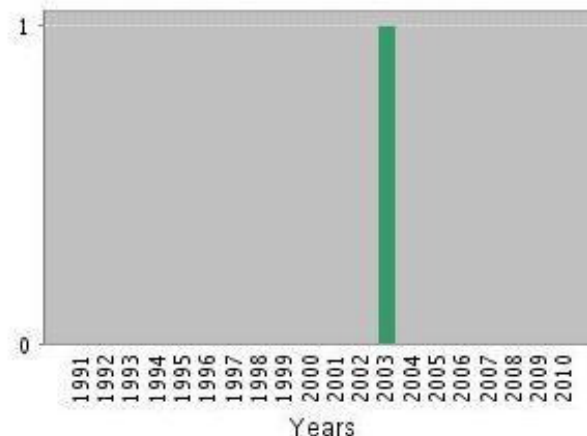
← **1980-1989**

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Published Items in Each Year



Citations in Each Year



Results found: **1**

Sum of the Times Cited [?]: 4

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[View without self-citations](#)

Average Citations per Item [?]: 4.00

h-index [?]: 1

The latest 20 years are displayed.
[View a graph with all years.](#)

Results: **1**

Page of 1

Sort by:



DETECTION OF THERMAL E-Z ISOMERIZATION OF N-ACYLHYDRAZONE AND N-AROYLHYDRAZONE LIGANDS BY MEANS OF REVERSE PHASE HPLC

Author(s): PALLA G, MANGIA A, PREDIERI G

Source: ANNALI DI CHIMICA Volume: 74 Issue: 1-2 Pages: 153-158 Published: 1984

Times Cited: 4 References: 10 [Citation Map](#)

Obs.: Mesmo resultado para o período 1955-1989

Citation Report

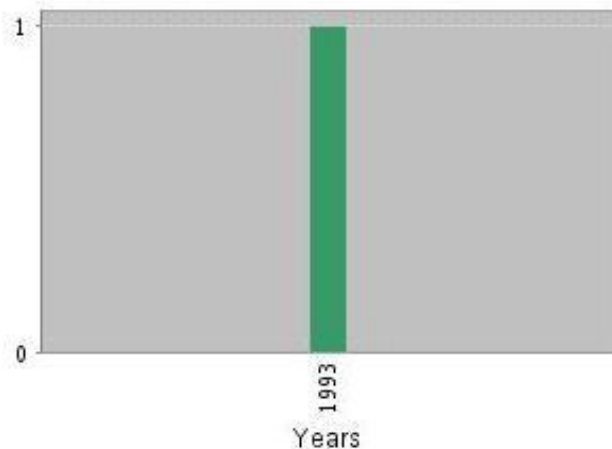
Topic=(N-acylhydrazone)

Timespan=1990-1999. Databases=SCI-EXPANDED.

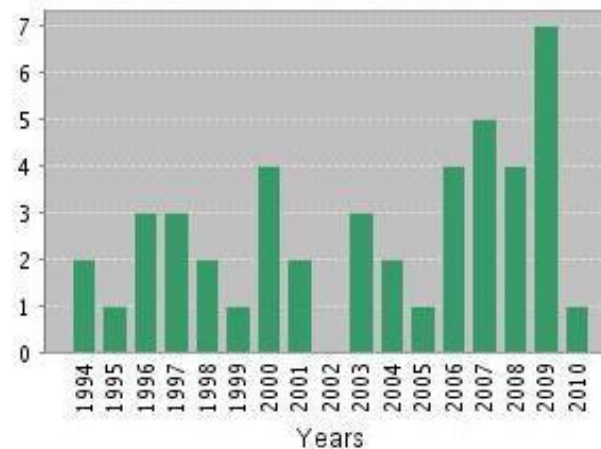
← 1990-1999

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Published Items in Each Year



Citations in Each Year



Results found: ①

Sum of the Times Cited [?]: 45

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[View without self-citations](#)

Average Citations per Item [?]: 45.00

h-index [?]: 1

Results: 1

Page 1 of 1 [Go](#)

Sort by: Times Cited

Hypervalent iodine oxidation of N-acylhydrazones and N-phenylsemicarbazone: an efficient method for the synthesis of derivatives of 1,3,4-oxadiazoles and DELTA.3-1,3,4-oxadiazolines

Ruiyang Yang, Lixin Dai

J. Org. Chem., 1993, 58 (12), pp 3381-3383

DOI: 10.1021/jo00064a027

Publication Date: June 1993

 ACS Legacy Archives

[First Page](#)





2000-2009



1. Title: Studies towards the identification of putative bioactive conformation of potent vasodilator arylidene N-acylhydrazone derivatives
 Author(s): Kummerle AE, Raimundo JM, Leal CM, et al.
 Source: EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 44 Issue: 10 Pages: 4004-4009 Published: OCT 2009
 Times Cited: 3
[Full Text](#)
2. Title: Synthesis and analgesic profile of conformationally constrained N-acylhydrazone analogues: Discovery of novel N-arylideneamino quinazolin-4(3H)-one compounds derived from natural safrole
 Author(s): Maia RC, Silva LL, Mazzeu EF, et al.
 Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 17 Issue: 18 Pages: 6517-6525 Published: SEP 15 2009
 Times Cited: 0
[Full Text](#)
3. Title: Design, synthesis and cruzain docking of 3-(4-substituted-aryl)-1,2,4-oxadiazole-N-acylhydrazones as anti-Trypanosoma cruzi agents
 Author(s): dos Santos JM, Leite ACL, de Oliveira BG, et al.
 Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 17 Issue: 18 Pages: 6682-6691 Published: SEP 15 2009
 Times Cited: 0
[Full Text](#)
4. Title: A highly selective and sensitive fluorescent chemosensor for Zn²⁺
 Author(s): Zhang XY, Wang ZH, Yang L
 Source: CHINESE CHEMICAL LETTERS Volume: 19 Issue: 10 Pages: 1240-1243 Published: OCT 2008
 Times Cited: 0
- 25 5. Title: Novel 6-methanesulfonamide-3,4-methylenedioxyphenyl-N-acylhydrazones: Or
 Author(s): Tributino JLM, Duarte CD, Correa RS, et al.
 Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 17 Issue: 3 Pages: 1125-1'
 Times Cited: 2
[Full Text](#)
- 26 6. Title: Synthesis, trypanocidal activity and docking studies of novel quinoxaline-N-ac
 Author(s): Romeiro NC, Aguirre G, Hernandez P, et al.
 Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 17 Issue: 2 Pages: 641-652 Published: JAN 15 2009
 Times Cited: 3
[Full Text](#)

**LASSBio 18/28
= 64%**

Bioorganic & Medicinal Chemistry 11 (2003) 2051–2059

Antiplatelet Properties of Novel *N*-Substituted-phenyl-1,2,3-triazole-4-acylhydrazone Derivatives

Anna C. Cunha,^a Juliana M. Figueiredo,^a Jorge L. M. Tributino,^a Ana L. P. Miranda,^a
 Helena C. Castro,^{a,b} Russolina B. Zingali,^b Carlos A. M. Fraga,^{a,d}
 Maria Cecília B. V. de Souza,^c Vitor F. Ferreira^c and Eliezer J. Barreiro^{a,d,*}

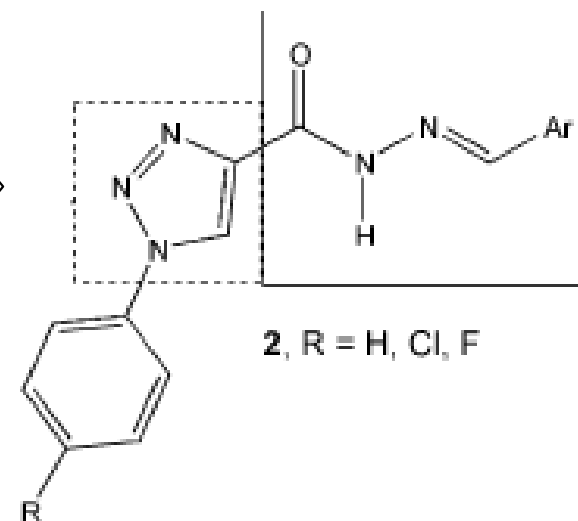
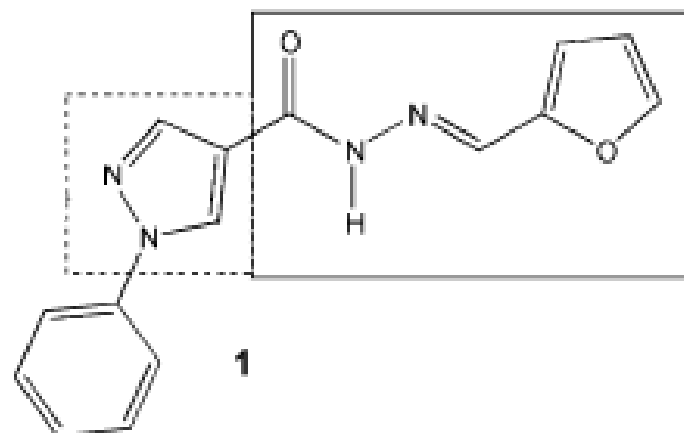
^a*Laboratório de Avaliação e Síntese de Substâncias Biotivas (LASSBio), Faculdade de Farmácia, Universidade Federal do Rio de Janeiro, PO Box 68006, 21944-971, Rio de Janeiro, RJ, Brazil*

^b*Laboratório de Hemostase e Venenos (LabHemoVen), Departamento de Bioquímica Médica, Instituto de Ciências Biomédicas, Universidade Federal do Rio de Janeiro, Rio de Janeiro, RJ, Brazil*

^c*Departamento de Química Orgânica, Instituto de Química, Universidade Federal Fluminense, Niterói, RJ, Brazil*

^d*Instituto de Química, Universidade Federal do Rio de Janeiro, Rio de Janeiro, RJ, Brazil*

Received 25 March 2002; accepted 27 December 2002



42 records. Cunha, AC. Antiplatelet properties of novel N-substituted-phenyl-1,2,3-triazole-4-acylhydrazone derivatives

Rank the records by this field:	Analyze:	Set display options:	Sort by:
Authorss Country/Territory Funding Agency Grant Number	Up to <input type="text" value="500"/> Records.	Show the top <input type="text" value="10"/> Results. Minimum record count (Threshold): <input type="text" value="2"/>	<input checked="" type="radio"/> Record count <input type="radio"/> Selected field

Analyze

Use the checkboxes below to view the records. You can choose to view those selected records, or you can exclude them (and view the others)..

Note: The number of records displayed may be greater than the listed Record Count

if the original set contained more records than the number of records analyzed.

<input type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Country/Territory	Record Count	% of 42	Bar Chart	Save Analysis Data to File
<input type="checkbox"/>	BRAZIL	27	64.2857 %	<div style="width: 64.2857%;"></div>	
<input type="checkbox"/>	PEOPLES R CHINA	7	16.6667 %	<div style="width: 16.6667%;"></div>	
<input type="checkbox"/>	SOUTH KOREA	6	14.2857 %	<div style="width: 14.2857%;"></div>	
<input type="checkbox"/>	GERMANY	2	4.7619 %	<div style="width: 4.7619%;"></div>	
<input type="checkbox"/>	INDIA	2	4.7619 %	<div style="width: 4.7619%;"></div>	
<input type="checkbox"/>	USA	2	4.7619 %	<div style="width: 4.7619%;"></div>	

Quem citou!

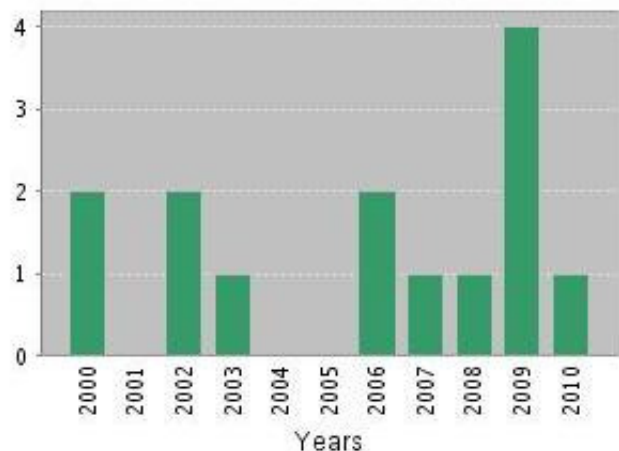
(6 Country/Territory value(s) outside display options.)

1970-2010

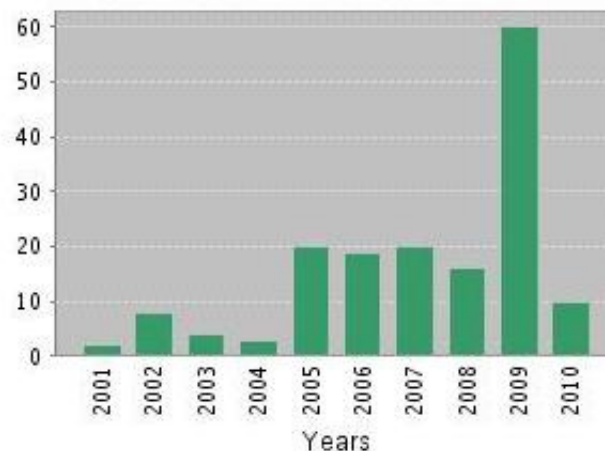
Citation Report Topic=(N-acylhydrazone) AND Address=(LASSBio)
Timespan=1970-2010. Databases=SCI-EXPANDED.

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Results found: 14

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Average Citations per Item [?]: 11.50

h-index [?]: 8

Use the checkboxes to remove individual items from this Citation Report or restrict to items processed between 1970 and 2010

- 1. Title: Antiplatelet properties of novel N-substituted-phenyl-1,2,3-triazole-4-acylhydrazone derivatives
Author(s): Cunha AC, Figueiredo JM, Tributino JLM, et al.
Source: **BIOORGANIC & MEDICINAL CHEMISTRY** Volume: 11 Issue: 9 Pages: 2051-2059
Published: **MAY 1 2003**
- 2. Title: Design and synthesis of novel potent antinociceptive agents: Methyl-imidazolyl N-acylhydrazone derivatives
Author(s): Figueiredo JM, Camara CD, Amarante EG, et al.
Source: **BIOORGANIC & MEDICINAL CHEMISTRY** Volume: 8 Issue: 9 Pages: 2243-2248
Published: **SEP 2000**

	2006	2007	2008	2009	2010	Total	Average Citations per Year
	19	20	16	60	10	161	14.64
	9	6	2	17	1	42	5.25
	3	3	1	0	1	22	2.00

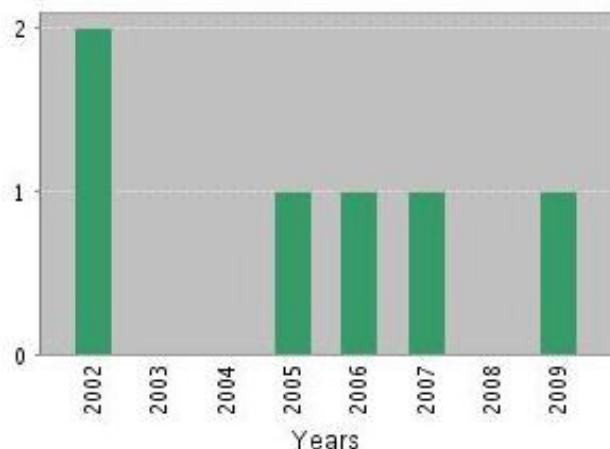
2000-2009

Citation Report

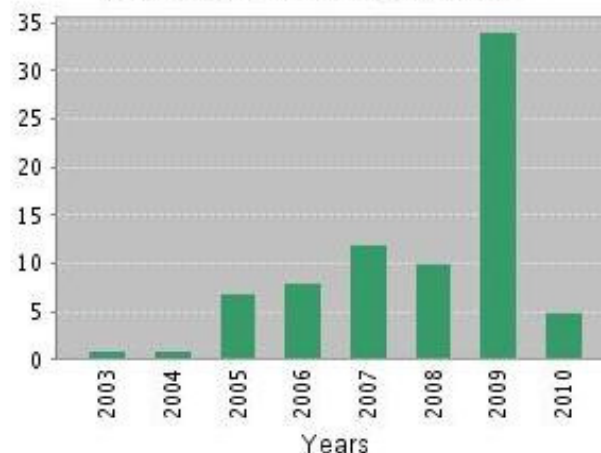
Topic=(bioactive N-acylhydrazone)
Timespan=2000-2009, Databases=SCI-EXPANDED.

This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

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Citations in Each Year



Results found: 6

Sum of the Times Cited [?]: 77

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[View without self-citations](#)

Average Citations per Item [?]: 12.83

h-index [?]: 5

Use the checkboxes to remove individual items from this Citation Report or restrict to items processed between 2000 and 2009

- 1. Title: Synthesis and vasodilatory activity of new N-acylhydrazone derivatives, designed as LASSBio-294 analogues
Author(s): Silva AG, Zapata-Sudo G, Kummerle AE, et al.
Source: **BIOORGANIC & MEDICINAL CHEMISTRY** Volume: 13 Issue: 10 Pages: 3431-3437
Published: **MAY 16 2005**
- 2. Title: Medicinal chemistry of N-acylhydrazones: Novel lead-compounds of analgesic, antiinflammatory and antithrombotic drugs.
Author(s): Barreiro EJ, Fraga CAM, Miranda ALP, et al.
Source: **QUIMICA NOVA** Volume: 25 Issue: 1 Pages: 129-148 Published: **JAN-FEB 2002**

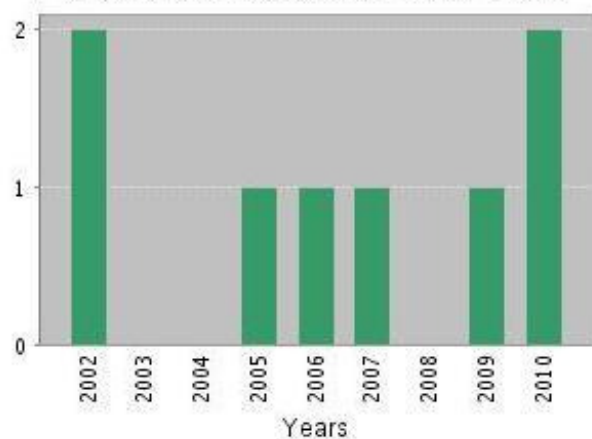
	2006	2007	2008	2009	2010	Total	Average Citations per Year
	8	12	10	34	5	77	8.56
	2	5	2	5	2	17	2.83
	4	2	1	4	0	17	1.89

↓ 1980-2010

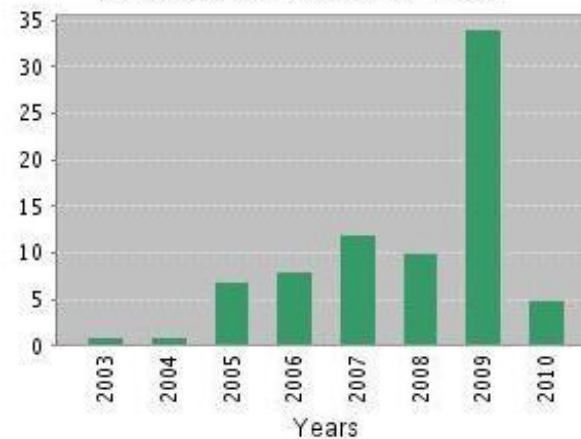
Citation Report Topic=([bioactive N-acylhydrazone](#))
Timespan=1980-2010, Databases=SCI-EXPANDED.

This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

Published Items in Each Year



Citations in Each Year



Results found: 8

Sum of the Times Cited [?]: 77

[View Citing Articles](#)

[View without self-citations](#)

Average Citations per Item [?]: 9.62

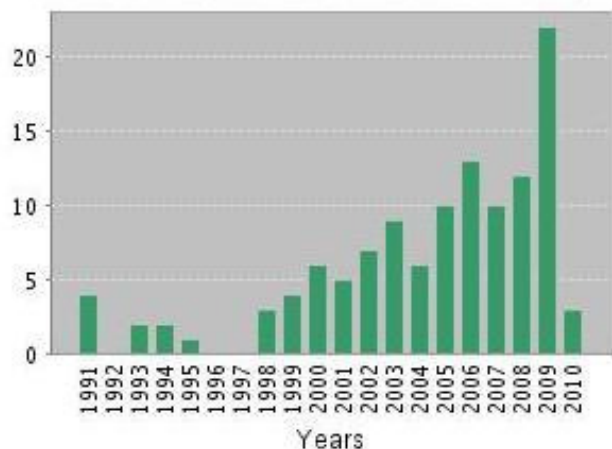
h-index [?]: 5

1970-2010

Citation Report Topic=(acylhydrazone)
Timespan=1970-2010. Databases=SCI-EXPANDED.

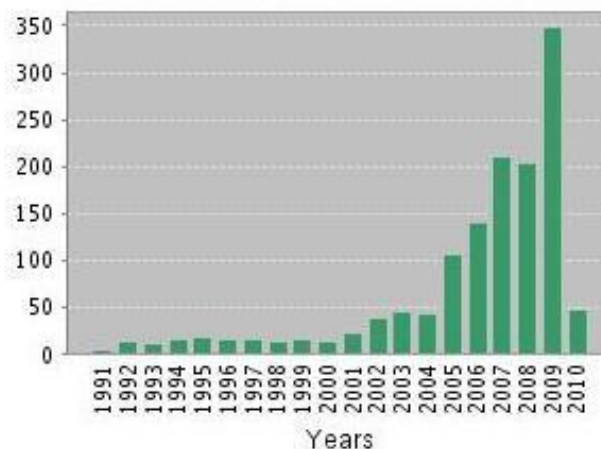
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Citations in Each Year



The latest 20 years are displayed.
[View a graph with all years.](#)

Results found: 130

Sum of the Times Cited [?]: 1,381

[View Citing Articles](#)

[View without self-citations](#)

Average Citations per Item [?]: 10.62

h-index [?]: 20

- Subject Areas** [Refine](#)
- CHEMISTRY, ORGANIC (37)
 - CHEMISTRY, MULTIDISCIPLINARY (29)
 - CHEMISTRY, MEDICINAL (28)
 - CHEMISTRY, INORGANIC & NUCLEAR (23)
 - BIOCHEMISTRY & MOLECULAR BIOLOGY (21)

Results: 130

Page 1 of 13 [Go](#)

Sort by: Times Cited

Use the checkboxes to remove individual items from this Citation Report or restrict to items processed between 1970 and 2010 [Go](#)

	2006	2007	2008	2009	2010	Total	Average Citations per Year
	140	210	204	348	49	1,381	36.34
1.	8	18	20	24	3	73	12.17

1. Title: Dynamers: dynamic molecular and supramolecular polymers
Author(s): Lehn JM
Source: **PROGRESS IN POLYMER SCIENCE** Volume: 30 Issue: 8-9 Pages: 814-831 Published: **AUG-SEP 2005**

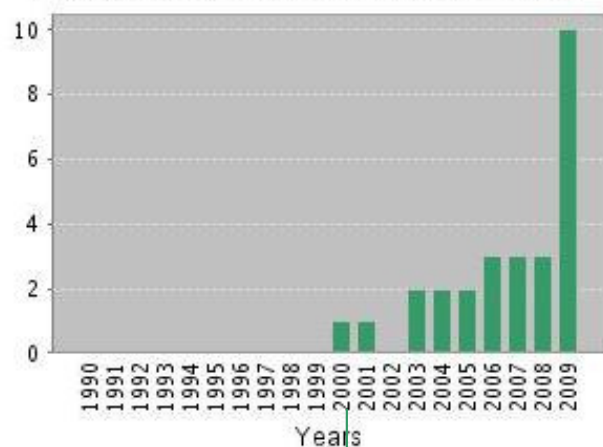


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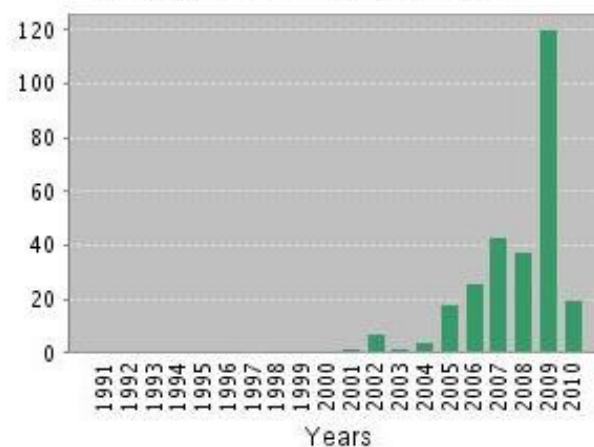


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Bioorganic & Medicinal Chemistry 11 (2003) 1701-1708

Citations in Each Year

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Results found: 28

Sum of the Times Cited [?]: 287

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Average Citations per Item [?]: 10.25

h-index [?]: 11

Synthesis and Properties of New Substituted 1,2,4-Triazoles: Potential Antitumor Agents

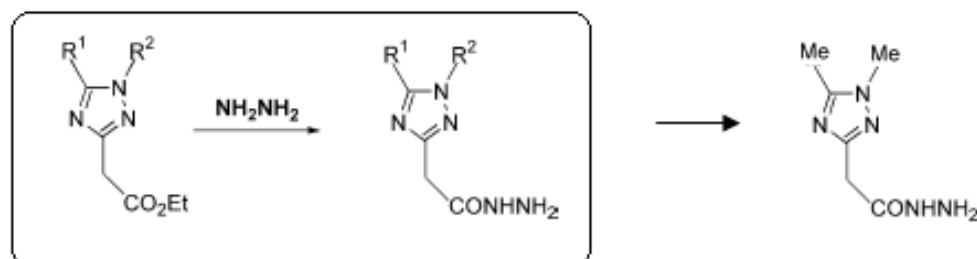
Yaseen A. Al-Soud,^a Najim A. Al-Masoudi^{b,*} and Abd El-Rahman S. Ferwanah^c

^aDepartment of Chemistry, College of Science, University of Al al-Bayt, Al-Mafraq, Jordan

^bFakultät für Chemie, Universität Konstanz, Postfach 5560, D-78457 Konstanz, Germany

^cDepartment of Chemistry, Al-Azhar University of Gaza, PO Box 1277, Gaza

Received 26 July 2002; accepted 3 January 2003



Sort by: Times Cited

	2007	2008	2009	2010	Total	Average Citations per Year
	43	38	120	20	287	9.26
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	6	2	17	1	42	5.25
	3	1	0	1	22	2.00

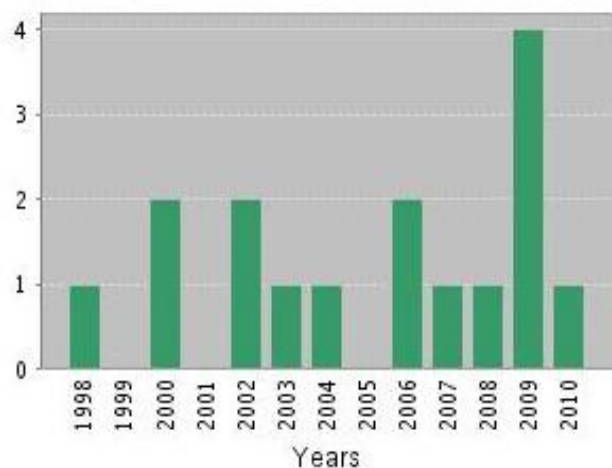


1970-2010

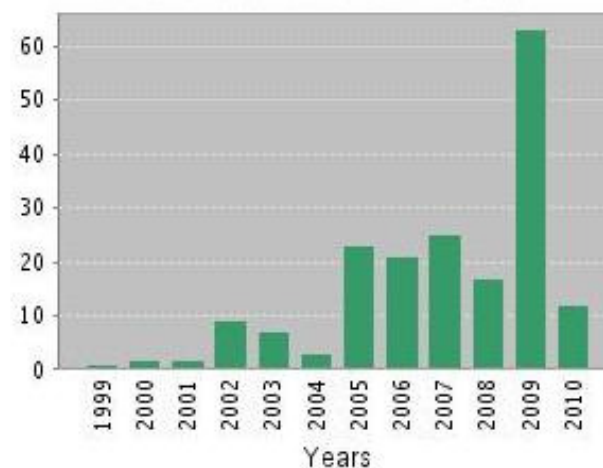
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Timespan=1970-2010. Databases=SCI-EXPANDED.

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Published Items in Each Year



Citations in Each Year



Results found: 16

Sum of the Times Cited [?]: 184

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Average Citations per Item [?]: 11.50

h-index [?]: 9

Results: 16

Page 1 of 2 [Go](#)

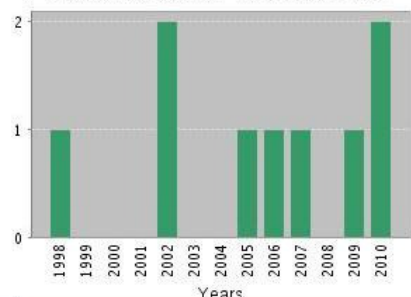
Sort by: Times Cited

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<input type="checkbox"/> 1. Title: Antiplatelet properties of novel N-substituted-phenyl-1,2,3-triazole-4-acylhydrazone derivatives Author(s): Cunha AC, Figueiredo JM, Tributino JLM, et al. Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 11 Issue: 9 Pages: 2051-2059 Published: MAY 1 2003	9	6	2	17	1	42	5.25
<input type="checkbox"/> 2. Title: Design and synthesis of novel potent antinociceptive agents: Methyl-imidazolyl N-acylhydrazone derivatives Author(s): Figueiredo JM, Camara CD, Amarante EG, et al. Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 8 Issue: 9 Pages: 2243-2248 Published: SEP 2000	3	3	1	0	1	22	2.00

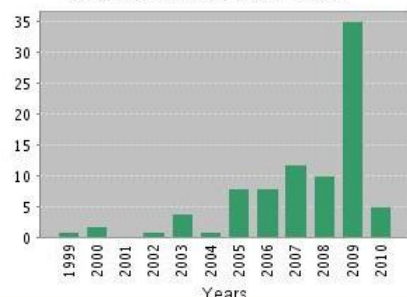


This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

Published Items in Each Year



Citations in Each Year



Results found: 9

Sum of the Times Cited [?]: 86

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Average Citations per Item [?]: 9.56

h-index [?]: 6

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Use the checkboxes to remove individual items from this Citation Report or restrict to items processed between <input type="text" value="1970"/> and <input type="text" value="2010"/> <input type="button" value="Go"/>	8	12	10	35	5	86	6.62
<input type="checkbox"/> 1. Title: Synthesis and vasodilatory activity of new N-acylhydrazone derivatives, designed as LASSBio-294 analogues Author(s): Silva AG, Zapata-Sudo G, Kummerle AE, et al. Source: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 13 Issue: 10 Pages: 3431-3437 Published: MAY 16 2005	2	5	2	5	2	17	2.83
<input type="checkbox"/> 2. Title: Medicinal chemistry of N-acylhydrazones: Novel lead-compounds of analgesic, antiinflammatory and antithrombotic drugs. Author(s): Barreiro EJ, Fraga CAM, Miranda ALP, et al. Source: QUIMICA NOVA Volume: 25 Issue: 1 Pages: 129-148 Published: JAN-FEB 2002	4	2	1	4	0	17	1.89
<input type="checkbox"/> 3. Title: Privileged structures: A useful concept for the rational design of new lead drug candidates Author(s): Duarte CD, Barreiro EJ, Fraga CAM Source: MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 7 Issue: 11 Pages: 1108-1119 Published: NOV 2007	0	0	3	12	0	15	3.75
<input type="checkbox"/> 4. Title: Medicinal chemistry of N-acylhydrazones: New lead-compounds of analgesic, antiinflammatory and antithrombotic drugs Author(s): Fraga CAM, Barreiro EJ Source: CURRENT MEDICINAL CHEMISTRY Volume: 13 Issue: 2 Pages: 167-198 Published: 2006	1	3	4	7	1	15	2.50
<input type="checkbox"/> 5. Title: Strategy of molecular simplification in rational drug design: The discovery of a new cardioactive agent Author(s): Barreiro EJ Source: QUIMICA NOVA Volume: 25 Issue: 6B Pages: 1172-1180 Published: NOV-DEC 2002	1	2	0	4	1	10	1.25
<input type="checkbox"/> 6. Title: Diastereomeric analysis of bioactive N-phenylpyrazole-4-acylhydrazone derivatives by high resolution gas chromatography Author(s): Pereira AS, Violante FA, Neto FRA, et al. Source: ANALYTICAL LETTERS Volume: 31 Issue: 4 Pages: 719-732 Published: 1998	0	0	0	1	0	9	0.69
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<input type="checkbox"/> 8. Title: Characterization of the conformational ensemble from bioactive N-acylhydrazone derivatives Author(s): Pol-Fachin L, Fraga CAM, Barreiro EJ, et al. Source: JOURNAL OF MOLECULAR GRAPHICS & MODELLING Volume: 28 Issue: 5 Pages: 446-454 Published: JAN 2010	0	0	0	0	0	0	0.00
<input type="checkbox"/> 9. Title: Pharmacological Characterization of (3-Thienylidene)-3,4-Methylenedioxybenzoylhydrazide: A Novel Muscarinic Agonist With Antihypertensive Profile Author(s): Zapata-Sudo G, Pereira SL, Beiral H.V, et al.	0	0	0	0	0	0	0.00



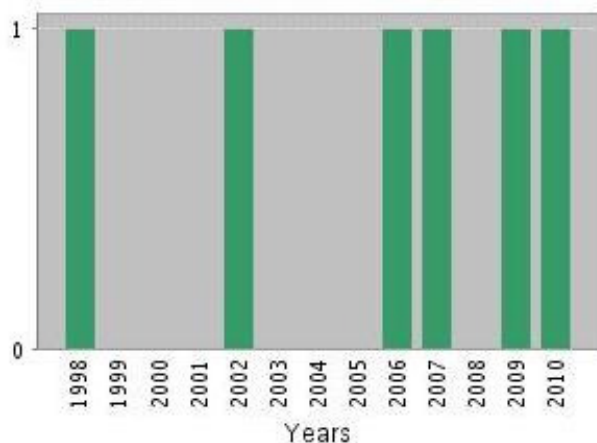
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1970-2010 ↓

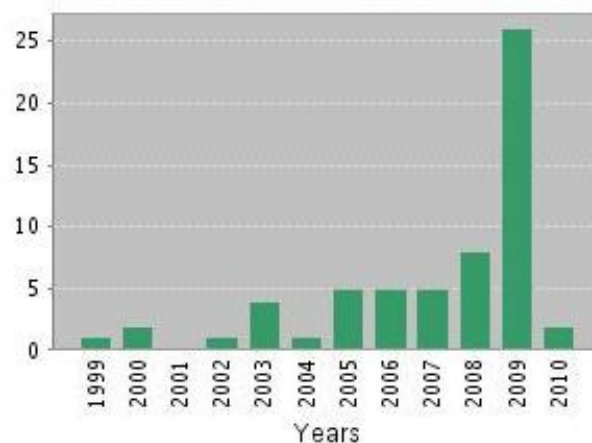
Citation Report Topic=(bioactive acylhydrazone) AND Address=(LASSBio)
Timespan=1970-2010, Databases=SCI-EXPANDED.

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Citations in Each Year



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Sum of the Times Cited [?]: 59

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Average Citations per Item [?]: 9.83

h-index [?]: 4

Results: **6**

Page 1 of 1 [Go](#)

Sort by: Times Cited

Use the checkboxes to remove individual items from this Citation Report or restrict to items processed between 1970 and 2010 [Go](#)

- 1. Title: Medicinal chemistry of N-acylhydrazones: Novel lead-compounds of analgesic, antiinflammatory and antithrombotic drugs.
Author(s): Barreiro EJ, Fraga CAM, Miranda ALP, et al.
Source: **QUIMICA NOVA** Volume: 25 Issue: 1 Pages: 129-148 Published: JAN-FEB 2002
- 2. Title: Privileged structures: A useful concept for the rational design of new lead drug candidates
Author(s): Duarte CD, Barreiro EJ, Fraga CAM
Source: **MINI-REVIEWS IN MEDICINAL CHEMISTRY** Volume: 7 Issue: 11 Pages: 1108-1119 Published: NOV 2007

	2006	2007	2008	2009	2010	Total	Average Citations per Year
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Citation Report Address=(LASSBio) ←
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This report reflects citations to source items indexed within Web of Science.

Results found: 88

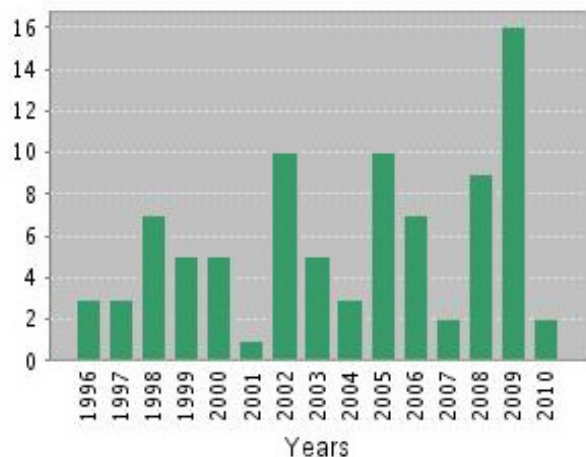
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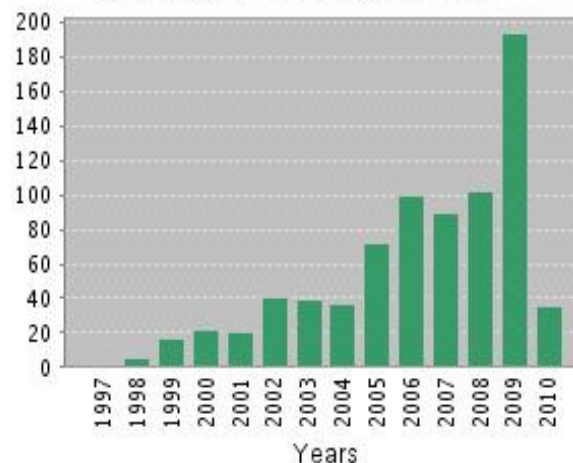
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h-index [?]: 15

Published Items in Each Year



Citations in Each Year



- Subject Areas Refine
- CHEMISTRY, MEDICINAL (44)
 - CHEMISTRY, ORGANIC (35)
 - BIOCHEMISTRY & MOLECULAR BIOLOGY (18)
 - PHARMACOLOGY & PHARMACY (14)
 - CHEMISTRY, PHYSICAL (7)

Results: **88**

Page 1 of 9 Go

Sort by: Times Cited

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 Source: CURRENT MEDICINAL CHEMISTRY Volume: 12 Issue: 1 Pages: 23-49 Published: 2005

8	18	16	37	6	86	14.33
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Note: The number of records displayed may be greater than the listed Record Count if the original set contained more records than the number of records analyzed.

i2 (JCR,2008)

<input type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Source Title	Record Count	% of 88	Bar Chart	Save Analysis Data to File
<input type="checkbox"/>	BIOORGANIC & MEDICINAL CHEMISTRY	14	15.9091 %		→ 3.075
<input type="checkbox"/>	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	10	11.3636 %		→ 2.882
<input type="checkbox"/>	BIOORGANIC & MEDICINAL CHEMISTRY LETTERS	8	9.0909 %		→ 2.531 2.878
<input type="checkbox"/>	SYNTHETIC COMMUNICATIONS	5	5.6818 %		→ 0.981 2.622
<input type="checkbox"/>	JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM	4	4.5455 %		
<input type="checkbox"/>	EUROPEAN JOURNAL OF PHARMACOLOGY	3	3.4091 %		→ 2.787
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(30 Source Title value(s) outside display options.)

O índice de impacto da produção científica do LASSBio, medido para suas publicações originais nos três principais periódicos é **2,878**



N

Conclusões

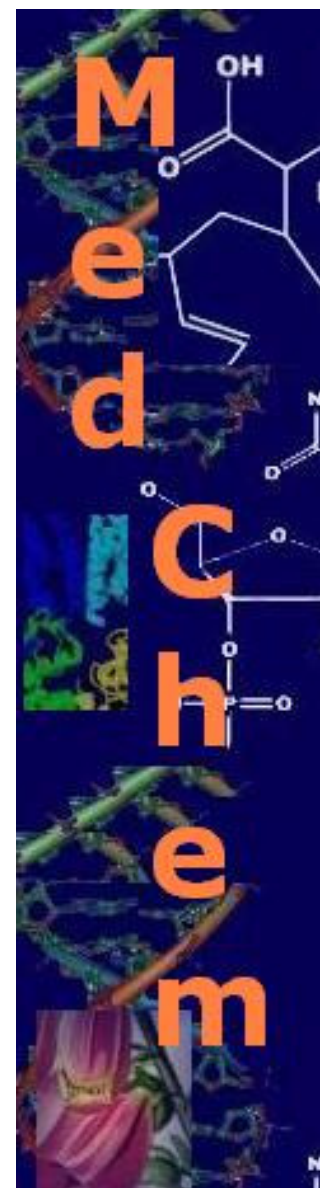


LASSBio[®] UFRJ

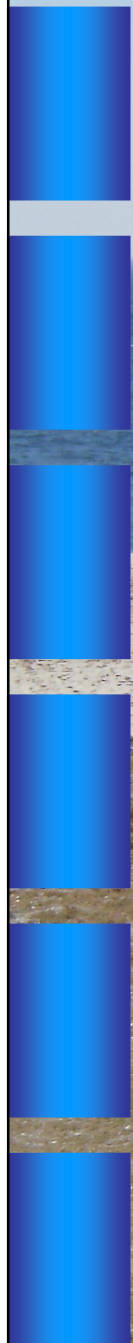
Laboratório de Avaliação e Síntese de Substâncias Bioativas

O **é apenas NAH...!**





Bioactive NAH



Obrigado