



Acesso Aberto à literatura científica

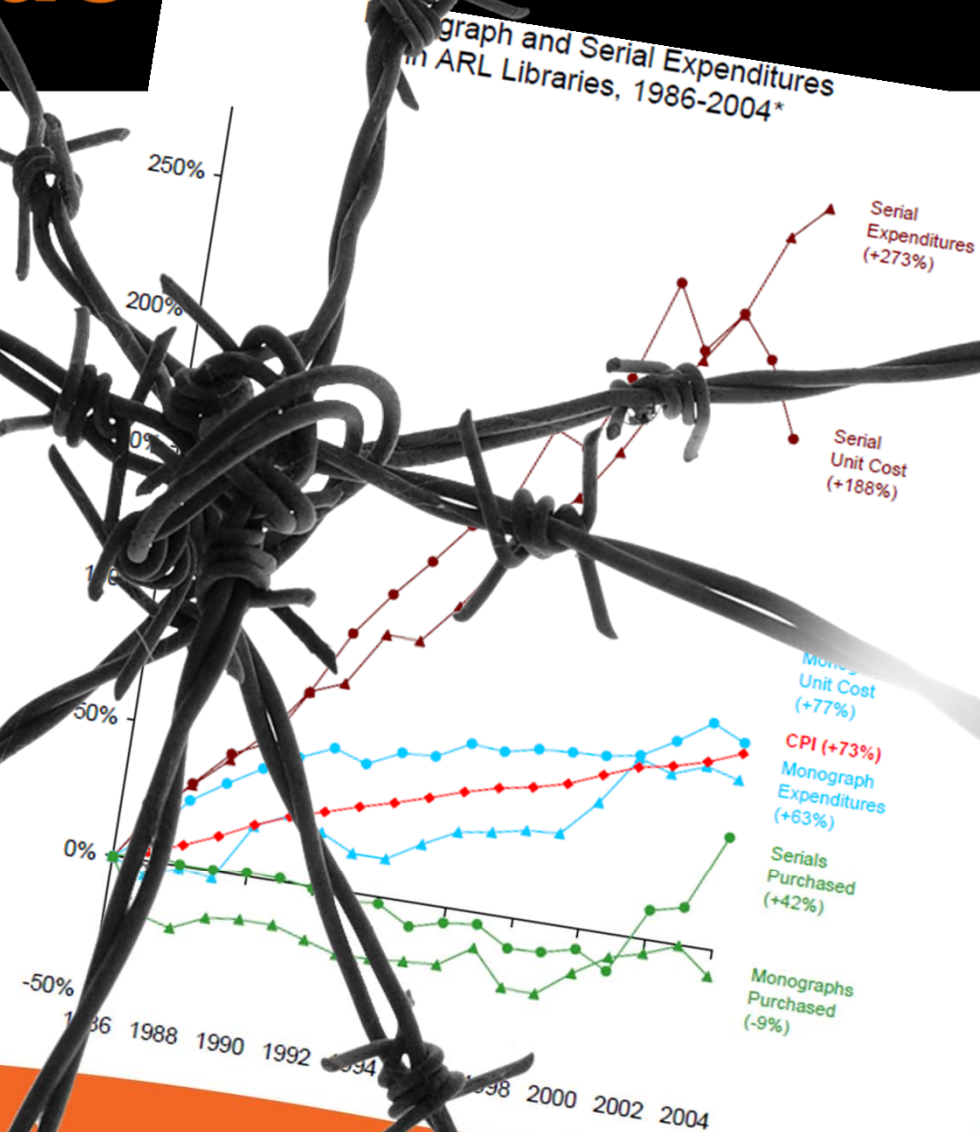
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As origens



Insatisfação



Acesso Aberto - O que é?

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Acesso Aberto – A quê?

- Artigos de revistas científicas
- Outras publicações académicas e científicas
 - Teses e Dissertações
 - Comunicações e Apresentações em Eventos
 - Working Papers
 - ...

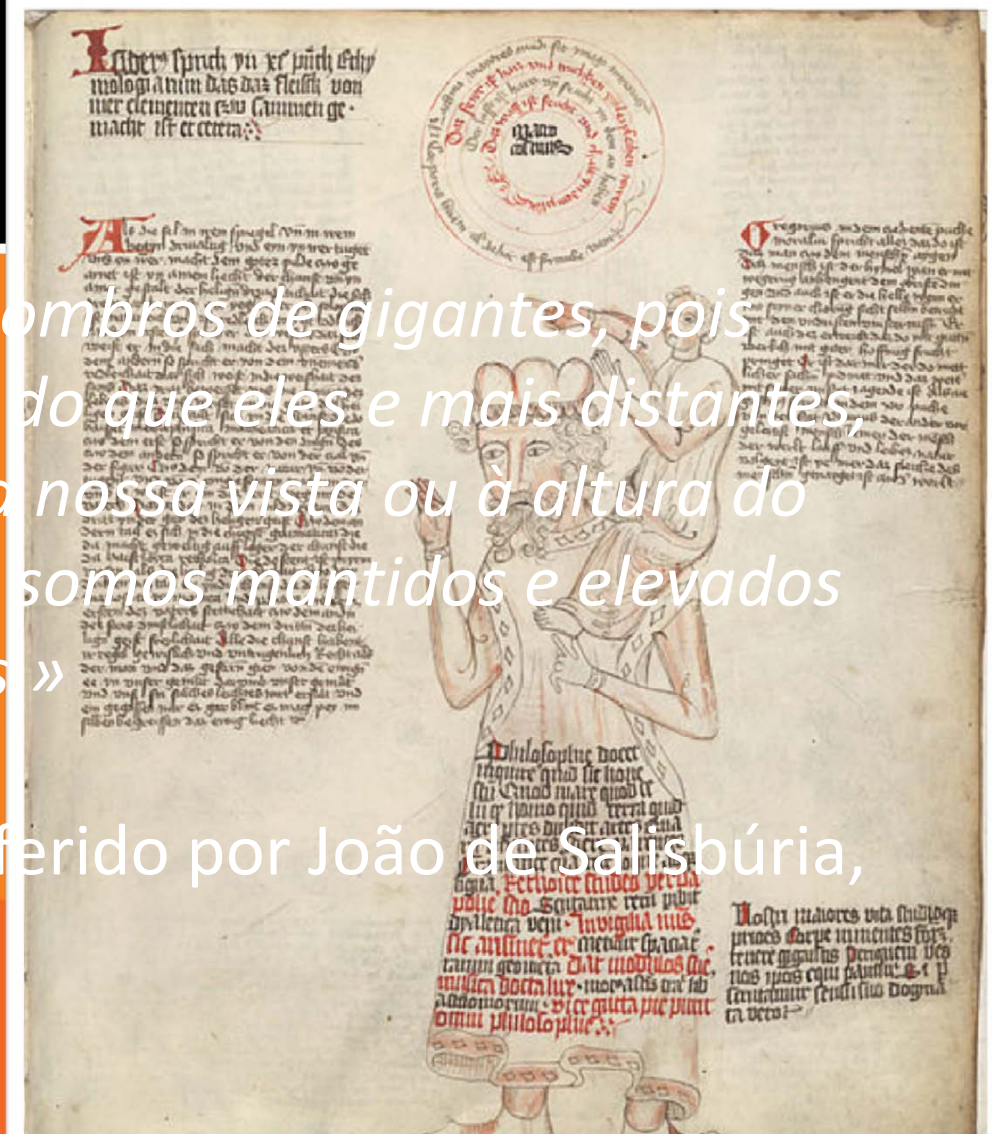


Acesso Aberto – Como?



Abertura e Partilha



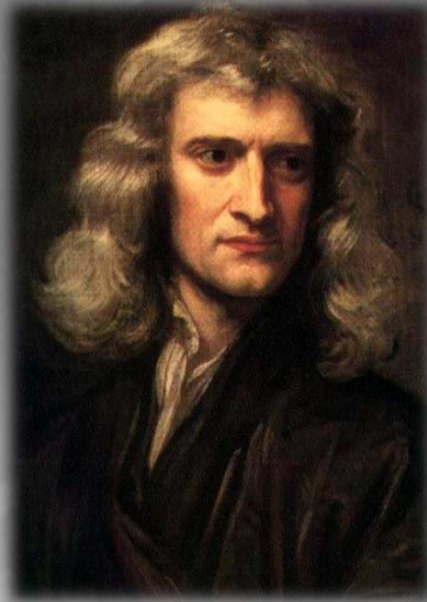


Cumulativa e partilhada



Até os golpes de génio...

“Se vi mais longe foi por estar de pé sobre ombros de gigantes.”



Isaac Newton - Carta para Robert Hooke
(15 de Fevereiro de 1676)

**O Acesso Aberto é o modo
“normal” da ciência e da
investigação**

Melhor ciência e investigação



Content

Relations

Comments

Source

DRIVER 2 - Demonstrator



Parents: none

Multiple-impinging jets: flow and heat transfer

PIV measurements of mean flow and Reynolds stresses, plus heat transfer on the impingement surface for two jet configurations: an in-line arrangement with 9 nozzles, and a hexagonal arrangement with 13 nozzles. The data are available from Delft University of Technology.

Author	L.F.G. Geers
Persistent ID	urn:x-driver:286001
Type	doctoralThesis
Publisher	Delft University of Technology
Created	2004-10-08
Modified	2004-10-08
Rights	OpenAccess

Multiple impinging jet arrays. An experimental study on flow and heat transfer

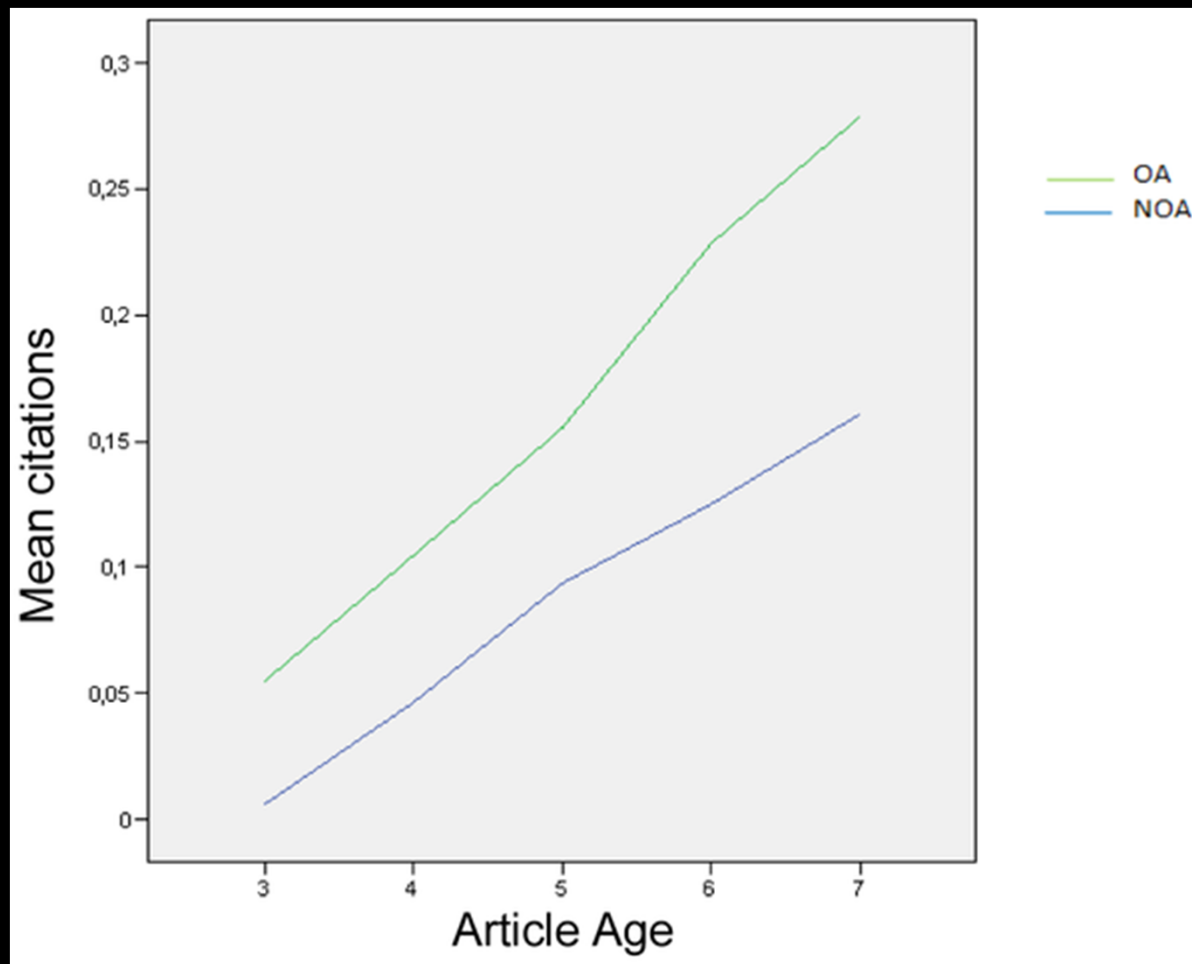
Because of their high efficiency and their ability to provide high heat transfer rates, impinging jets are applied for rapid cooling and heating in a wide variety of industrial processes. However, the physical phenomena controlling the heat transfer from impinging jets are to a large degree unknown. The goal of the present project was to gain a better understanding of the interaction between the flow and heat transfer in impinging jet arrays. Experiments were performed in two different configurations: a single impinging jet and multiple impinging jet arrays. LDA and PIV velocity measurements in the single jet were compared: these measurements were aimed at serving as a reference for comparison of the multiple jet features. In a hexagonal and an in-line array of jets PIV was used to provide instantaneous velocity fields over the flow area of interest, what proved to be essential for detecting some salient features of the multiple-jet dynamics. These dynamics were investigated on the basis of POD filtered snapshots of the flow. In both arrays, large scale eddies in the development zone cause the impinging jets to break up or be severely displaced in the out-of-plane direction. A horse-shoe vortex appears around the outer jets of the hexagonal array, whereas the in-line array does not show this feature. This is most likely caused by the higher pitch in the in-line configuration. On the other hand, the flow field in the in-line arrangement appears to be diagonally asymmetrical...

Author: L.F.G. Geers

Resources

Website	+
Hexagonal configuration (optional ca...)	+
In-Line configuration (mandatory cas...)	+

Mais acesso, utilização e impacto



PLOS one

Gargouri Y, Hajjem C, Larivière V, Gingras Y, Carr L, et al. 2010 **Self-Selected or Mandated, Open Access Increases Citation Impact for Higher Quality Research**. PLoS ONE 5(10): e13636. doi:10.1371/journal.pone.0013636

Inovação e competitividade



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News

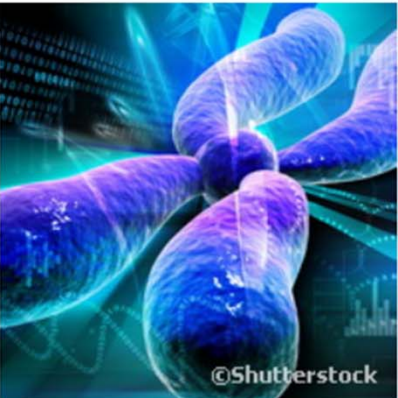
Citizen scientists help shed light on European genetic heritage mystery

[Date: 2012-09-13]

One of the greatest challenges facing archaeologists and historians is to understand Man's first steps on the European continent. Such a big task almost necessitates the requirement for a big team. This is why the University of Sheffield in the United Kingdom enlisted 'citizen scientists' to help them in their crucial research into European genetic heritage. These citizen scientists were not required to have a scientific background or training, but this was balanced out by their passion for the subject. As a result citizen scientists are increasingly being empowered by the scientific community to get involved in research. The study was presented in the journal PLoS ONE.

This initiative was led by Dr Andy Grierson from the University of Sheffield's Institute for Translational Neuroscience (SITraN), and it enlisted the help of citizen scientists from Europe and North America. Together, they hoped to identify vital new clues that tell the story of Europe's genetic history.

Dr Grierson explained the task: 'Understanding European history since man first arrived on the continent is a huge challenge for archaeologists and historians. One way that scientists can help is by studying the genetics of European men. All men carry a Y chromosome that they inherit from their father, which has been passed down the generations from father to son for thousands of years. So most men in Europe will share common ancestry at some point in the past, and we are able to investigate this shared ancestry using genetic studies of the Y



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Nature Structural & Molecular Biology **18**, 1175–1177 (2011) | doi:10.1038/nsmb.2119

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Following the failure of a wide range of attempts to solve the crystal structure of M-PMV retroviral protease by molecular replacement, we



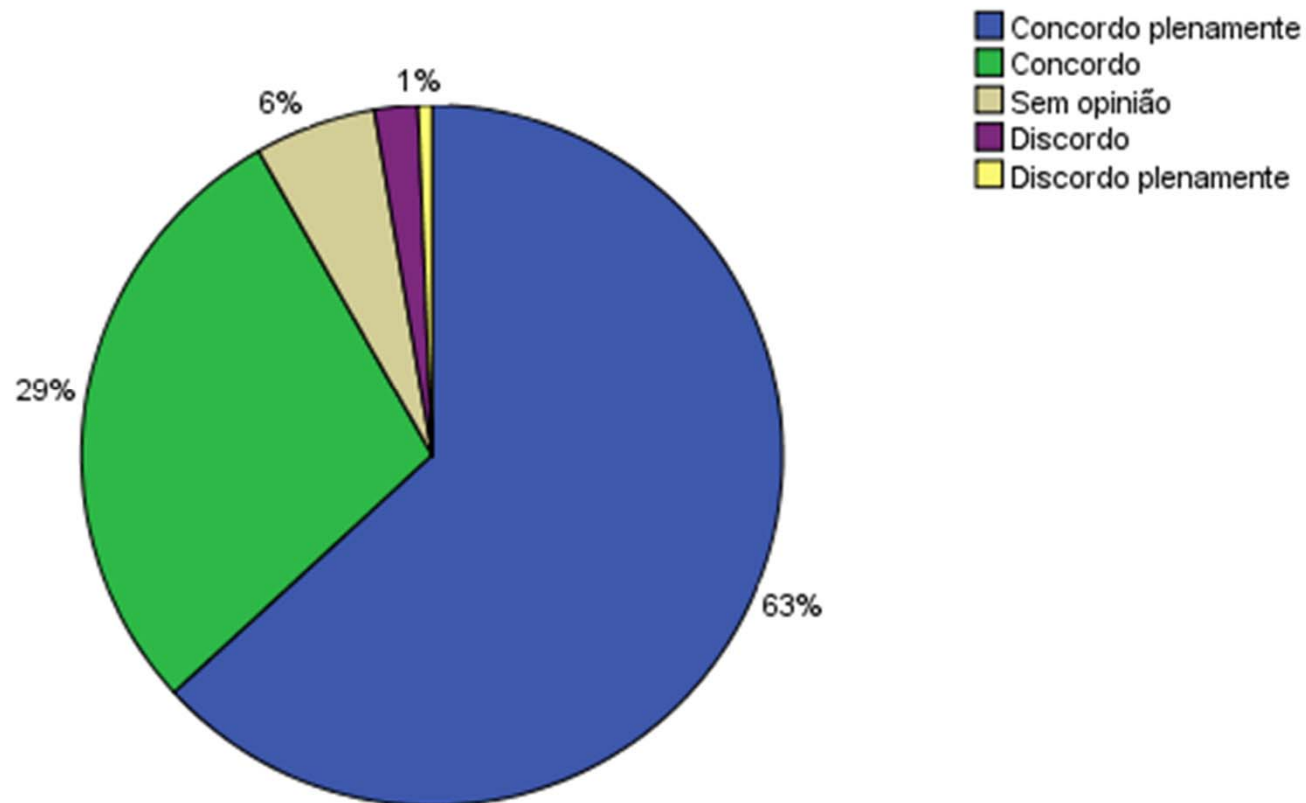
Acesso Aberto

Reconhecimento

Aceitação

A opinião dos investigadores

Qual é a sua opinião sobre o princípio da disponibilização em acesso aberto das publicações científicas resultantes de projetos financiados por programas públicos?



As políticas das instituições e financiadores



As declarações políticas

The question is no longer „if“ we should have open access. The question is about „how“ we should develop it further and promote it.”



Neelie Kroes

Comissária Europeia para a Agenda Digital, 2011

Mas faltam ainda 75%...



Acesso Aberto

O desafio

aos investigadores, univers

para os p



0 anos

Na próxima década...



Muito obrigado!

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