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THE PROBLEM

Bone Marrow Research
Volume 2012 (2012), Article ID 406796, 18 pages
doi:10.1155/2012/406796

Review Article

Lineage Switching in Acute Leukemias: A Consequence of Stem Cell Plasticity?

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 Abstract

 Full-Text PDF

 Full-Text HTML

 Full-Text ePUB

 Linked References

 How to Cite this Article

Acknowledgments

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Why Don't Men Understand Women? Altered Neural Networks for Reading the Language of Male and Female Eyes

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Abstract

Men are traditionally thought to have more problems in understanding women compared to understanding other men, though evidence supporting this assumption remains sparse. Recently, it has been shown, however, that men's problems in recognizing women's emotions could be linked to difficulties in extracting the relevant information from the eye region, which remain one of the richest sources of social information for the attribution of mental states to others. To determine possible differences in the neural correlates underlying emotion recognition from female, as compared to male eyes, a modified version of the Reading the Mind in the Eyes Test in combination with functional magnetic resonance imaging (fMRI) was applied to a sample of 22 participants. We found that men actually had twice as many problems in recognizing emotions from female as compared to male eyes, and that these problems were particularly associated with a lack of activation in limbic regions of the brain (including the hippocampus and the rostral anterior cingulate cortex). Moreover, men revealed heightened activation of the right amygdala to male stimuli regardless of condition (sex vs. emotion recognition). Thus, our findings highlight the function of the amygdala in the affective component of theory of mind (ToM) and in empathy, and provide further evidence that men are substantially less able to infer mental states expressed by women, which may be accompanied by sex-specific differences in amygdala activity.

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Introduction

Sex differences in brain morphology and cognitive and affective

Recent studies have suggested that deficits in recognizing facial emotions could be linked to difficulties in extracting the relevant information from the eye region (including gaze direction) [19]

Integrin $\alpha 1$ subunit is up-regulated in colorectal cancer

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Biomarker Research 2013, **1**:16 doi:10.1186/2050-7771-1-16

The electronic version of this article is the complete one and can be found online at:

<http://www.biomarkerres.org/content/1/1/16>

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Abstract

Acknowledgements


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The work was supported by the Canadian Institute of Health Research Grant MOP-97836 (to JFB). JFB is the recipient of the Canadian Research Chair in Intestinal Physiopathology. JFB and JCC are members of the Fonds de la Recherche en Santé du Québec-funded Centre de Recherche Clinique Étienne-Le Bel of the Centre Hospitalier Universitaire de Sherbrooke.

Can we extract this funder information from the XML text?

- **Not easily**

In this example the information is tagged as a footnote



```
<fn fn-type="financial-disclosure">
```

```
  <p>This work was supported in part by NIH grant R01 GM094800B to G.J.J., a gift to Caltech from the Gordon and Betty Moore Foundation, and a stipend from the Bayerische Forschungsstiftung to M.P. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript.</p>
```

```
  </fn>
```

```
</fn-group>
```

```
</back>
```

```
</article>
```

... even when tagged, still not easily

- No standardization
- This publishers uses
 - “Grant-sponsor” and “Grant-num”
- Other publishers may use different tags

```
...
<sec>
<title>Funding</title>
<p>This work was supported by
the <grant-sponsor
xlink:href="http://www.grf.org"
id="GS1">Generic Research
Foundation</grant-sponsor>, the
<grant-sponsor
xlink:href="http://www.energy.gov"
id="GS2">Department of
Energy</grant-sponsor> Office of
Science grant number <grant-
num rid="GS2">DE-FG02-
04ER63803</grant-num>, and the
<grant-sponsor
xlink:href="http://www.nih.gov"
id="GS3">National Institutes of
Health</grant-sponsor>.
</p>
</sec>
</body>
```

Why does this matter?

- Funding bodies
 - Cannot track the published output of funding
- Publishers
 - Cannot report on articles supported by specific funders or grants
- Institutions
 - Cannot link funding received to published output
- Lack of standard metadata for funding sources makes it difficult to analyse or data mine

The solution: FundRef links

- Funders record where they spend their money



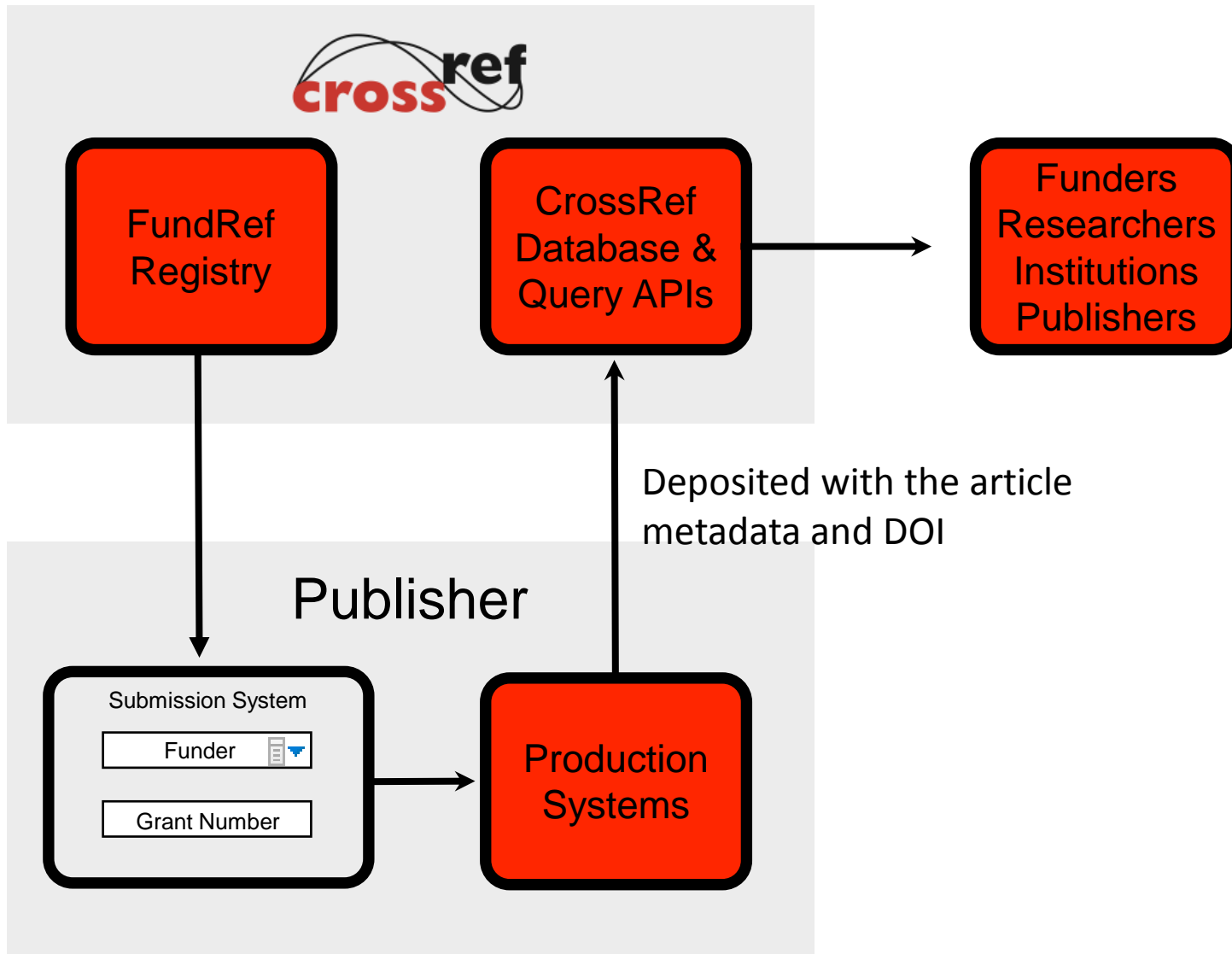
- Publishers publish the outcomes of research

FundRef Registry

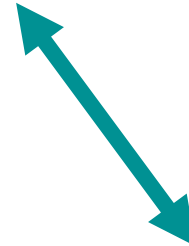
- Agreed taxonomy of funding bodies
 - >10,246 names (updated monthly)
 - Donated by Elsevier SciVal
 - with additions from other publishers
- The list is freely available for anyone to use
 - www.crossref.org/fundref/fundref_registry.html

How it works

- Funding and grant number information is included in the article metadata
 - Submitted to CrossRef with DOI data



DOI



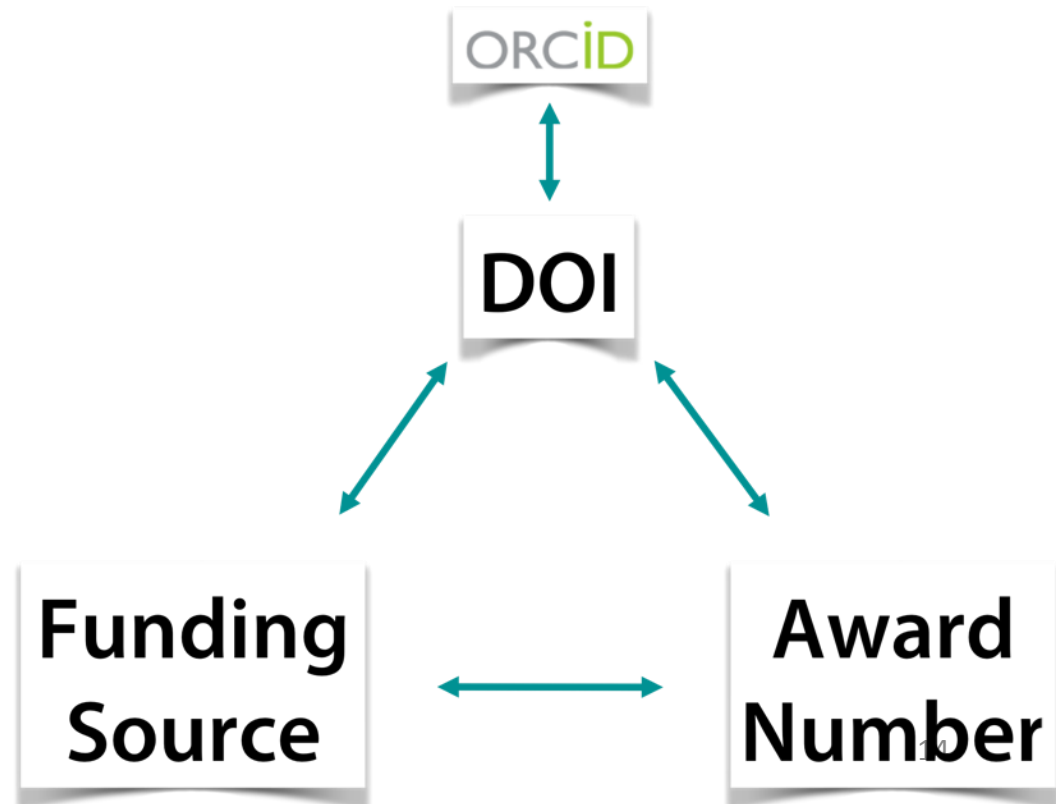
Funding
Source



Award
Number

... and further linking

- Link with ORCID
 - ORCID = unique author identifiers
- The DOI links
 - the researchers
 - their funders
 - their publications



Who adds funding information?

- Authors provide information during submission

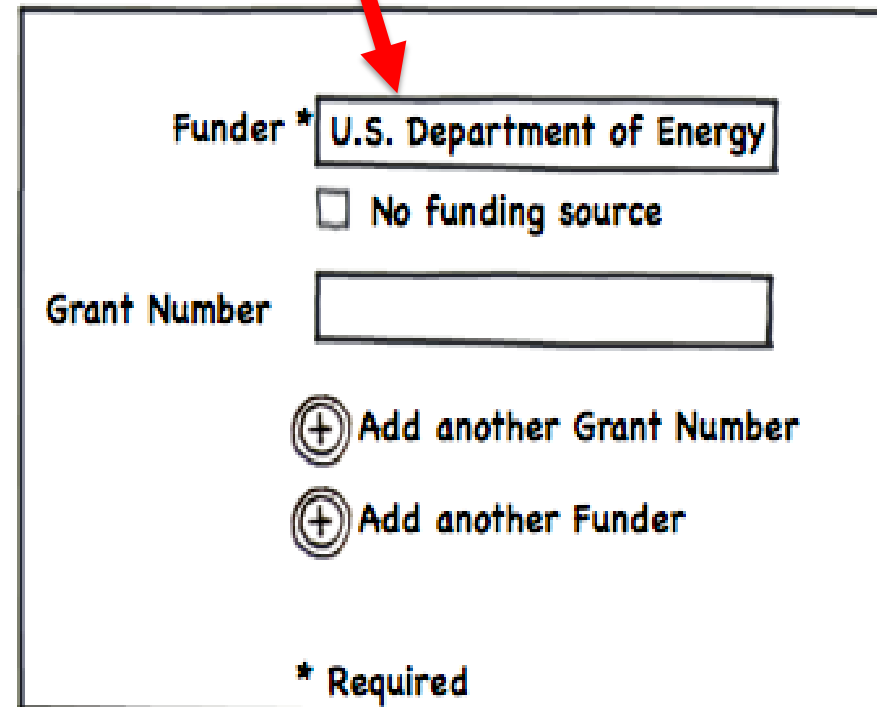
... Or ...

- Publishers add information after acceptance

1. Authors provide information at submission

- Authors must provide the information
 - During submission process?
 - (Make sure your instructions are VERY clear)
 - “The information submitted here should match the information provided in the paper’s acknowledgement section.”

This must come from the FundRef Registry



The screenshot shows a submission form with the following fields and options:

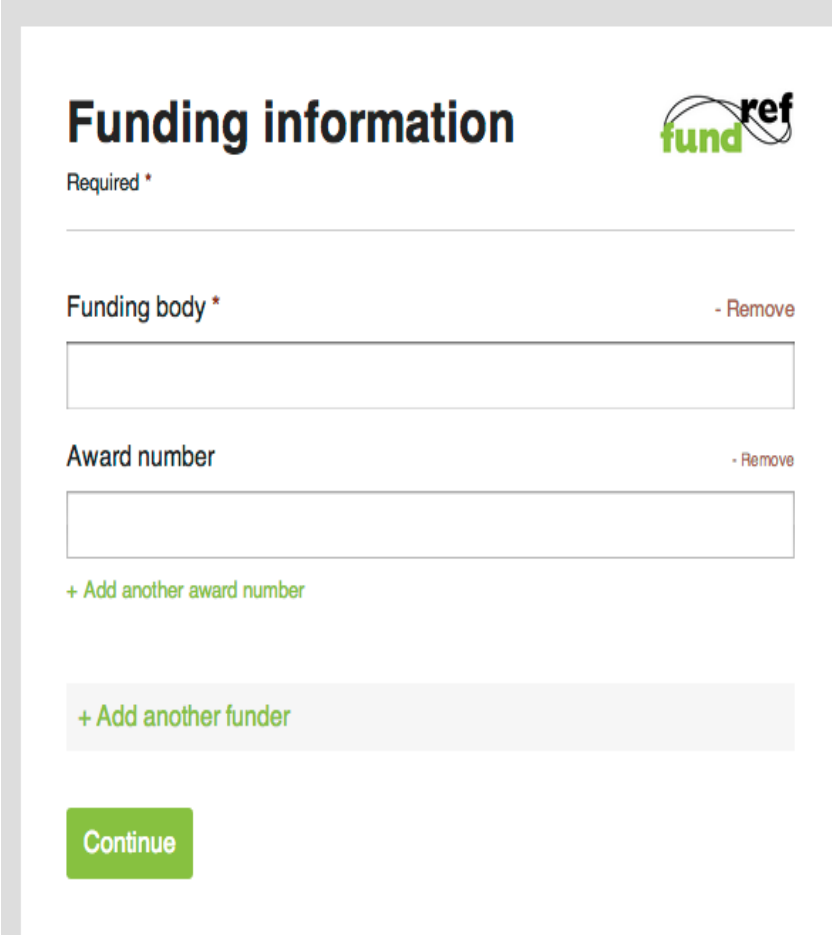
- Funder ***
- ☐ No funding source
- Grant Number**
- Add another Grant Number
- Add another Funder
- * Required**

A red arrow points from the text "This must come from the FundRef Registry" to the "Funder *" field.


Implementation widget

<http://labs.crossref.org/fundref-widget/>

- Add this widget to your submission pages
- It allows the author to choose funder names from the FundRef Registry



The screenshot displays the 'Funding information' section of a submission form. It features the FundRef logo in the top right corner. Below the title, a 'Required' label with an asterisk is present. The form includes two main input fields: 'Funding body' and 'Award number', each with a '- Remove' link to its right. Below the 'Award number' field is a green '+ Add another award number' link. At the bottom of the form is a green '+ Add another funder' link and a green 'Continue' button.

Funding information 

Required *

Funding body * [- Remove](#)

Award number [- Remove](#)

[+ Add another award number](#)

[+ Add another funder](#)

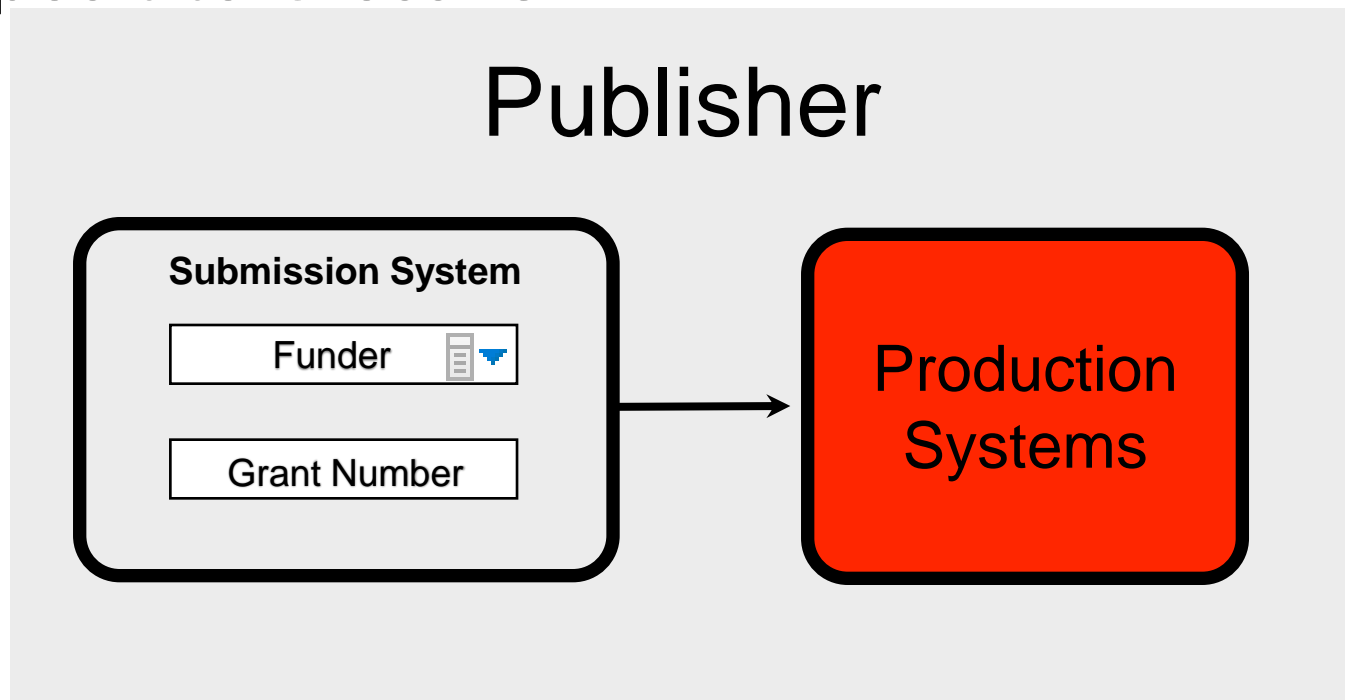
[Continue](#)

2. Publishers add information after acceptance

- Manually extract from the article
 - Match what the author says with the FundRef Registry
- Extract funding metadata from previously published articles

Finally ...

- Make sure that the funder information is integrated with the article metadata before deposit to CrossRef



The technical stuff

- This is an example of what the metadata looks like

```
<fr:program name="fundref">
  <fr:assertion name="funder_name">National Science Foundation
    <fr:assertion name="funder_identifier">http://dx.doi.org/10.13039.100000001</fr:assertion>
  </fr:assertion>
  <fr:assertion name="award_number">psychoceramics-1152342</fr:assertion>
</fr:program>
```

The technical stuff

- During deposit processing, Crossref will try to match funder names to funder identifiers

```
<fr:program>
- <fr:assertion name="fundgroup">
  - <fr:assertion name="funder_name">
    Centre national de la recherche scientifique
    <fr:assertion name="funder_identifier" provider="crossref">http://dx.doi.org/10.13039/501100004794</fr:assertion>
  </fr:assertion>
  <fr:assertion name="award_number">CTIO2_14</fr:assertion>
</fr:assertion>
```

As deposited : Centre national de la recherche scientifique
Registry name : Centre National de la Recherche Scientifique
Alt registry name : National Center for Scientific Research

USING FUNDREF DATA: FINDING FUNDED PUBLICATIONS

Finding funded publications

<http://search.crossref.org/fundref>

Metadata Search  Sign in with ORCID

fundref^{beta}
search

 Lithuania

Lietuvos Mokslo Taryba Lithuania

Lietuvos Valstybinis Mokslo ir Studiju Fondas Lithuania

And you see the articles funded

LIETUVOS MOKSLO TARYBA

TYPE

☐ Journal Article (56)

YEAR

☐ 2015 (45)

☐ 2014 (11)

PUBLICATION

☐ Medicina (3)

☐ Phys. Rev. A (3)

☐ Physical Review A (3)

☐ Solid State Ionics (3)

☐ Applied Surface Science (2)

☐ Food Chemistry (2)

☐ J. Appl. Phys. (2)

☐ J. Phys. Chem. A (2)

☐ Journal of Applied Physics (2)

☐ Optical Materials (2)

CATEGORY

☐ Surfaces, Coatings and Films (8)

☐ Condensed Matter Physics (7)

☐ Electronic, Optical and Magnetic Materials (7)

☐ Atomic and Molecular Physics, and Optics (5)

☐ Food Science (5)

☐ Materials Science(all) (5)

SORT BY: **RELEVANCE** PUBLICATION YEAR

 **DOWNLOAD AS CSV**

PAGE 1 OF 56 RESULTS

Stable carbon fractionation in size-segregated aerosol particles produced by controlled biomass burning

Journal Article published **Jan 2015** in **Journal of Aerosol Science** volume **79** on pages **86** to **96**

Research funded by "Pollution Control in Biomass Combustion: from Pollutant Formation to Human Exposure" (BioMassPoll) (ATE05/2012) | Lietuvos Mokslo Taryba

Authors: A. Garbaras, A. Masalaite, I. Garbariene, D. Ceburnis, E. Krugly, V. Remeikis, E. Puida, K. Kvietkus, D. Martuzevicius

 <http://dx.doi.org/10.1016/j.jaerosci.2014.10.005>  Actions

Effect of the photoinitiator presence and exposure conditions on laser-induced damage threshold of ORMOSIL (SZ2080)

Journal Article published **Jan 2015** in **Optical Materials** volume **39** on pages **224** to **231**

Research funded by Lietuvos Mokslo Taryba

Authors: Albertas Žukauskas, Gintarė Batavičiūtė, Mindaugas Ščiuka, Zigmas Balevičius, Andrius Melninkaitis, Mangirdas Malinauskas

 <http://dx.doi.org/10.1016/j.optmat.2014.11.031>  Actions

Discovery and Characterization of Novel Selective Inhibitors of Carbonic Anhydrase IX

Journal Article published **26 Nov 2014** in **Journal of Medicinal Chemistry** volume **57** issue **22** on pages **9435** to **9446**

Research funded by Lietuvos Mokslo Taryba (LIG-09/2012) | European Cooperation in Science and Technology (TD0905) | European Commission (245721)

Authors: Virginija Dudutienė, Jurgita Matulienė, Alexey Smirnov, David D. Timm, Asta Zubrienė, Lina Baranauskienė, Vaida Morkūnaitė, Joana Smirnovienė, Vilma Michailovienė, Vaida Juozapaitienė, Aurelija Mickevičiūtė, Justina Kazokaitė, Sa ...

 <http://dx.doi.org/10.1021/jm501003k>  Actions

You can also use CrossRef Metadata Search

<http://search.crossref.org/>

Enter a grant number, find an article



 R21CA132075

[FundRef](#) [Link References](#)

TYPE

☐ Journal Article (1)

YEAR

☐ 2012 (1)

OA STATUS

☐ Other (1)

PUBLICATION

☐ Appl. Phys. Lett. (1)

☐ Applied Physics Letters (1)

CATEGORY

☐ Physics and Astronomy
(miscellaneous) (1)

PUBLISHER

☐ AIP Publishing (1)

FUNDER NAME

☐ National Institutes of Health (1)

SOURCE

☐ CrossRef (1)

SORT BY: **RELEVANCE** **PUBLICATION YEAR**

Near-field enhanced ultraviolet resonance Raman spectroscopy using alumin

Journal Article published **10 Sep 2012** in **Applied Physics Letters** volume **101** issue **11** on page **1**

Research funded by National Institutes of Health (R21CA132075)

Authors: Ling Li, Shuang Fang Lim, Alexander A. Puretzky, Robert Riehn, H. D. Hallen

<http://dx.doi.org/10.1063/1.4746747>  **Actions**

Search for a DOI and get funder information



 10.1063/1.4744984

Sign in with ORCID

TYPE

☐ Journal Article (1)

YEAR

☐ 2012 (1)

OA STATUS

☐ Other (1)

PUBLICATION

☐ Phys. Fluids (1)

☐ Physics of Fluids (1)

CATEGORY

☐ Condensed Matter Physics (1)

PUBLISHER

☐ AIP Publishing (1)

SORT BY: **RELEVANCE** PUBLICATION YEAR

PAGE 1 OF 1 RESULTS

Showing DOI matching **10.1063/1.4744984**

Characterization of the transport topology in patient-specific abdominal aortic aneurysm models

Journal Article published **1 Aug 2012** in **Physics of Fluids** volume **24** issue **8** on page **081901**

Research funded by National Institutes of Health (5R21HL108272)

Authors: Amirhossein Arzani, Shawn C. Shadden

 <http://dx.doi.org/10.1063/1.4744984>  Actions

Or search by ORCID to find all articles from an author - with funder information



0000-0002-1825-0097

Sign in with ORCID

TYPE

☐ Journal Article (3)

YEAR

☐ 2013 (2)

☐ 2008 (1)

OA STATUS

☐ Other (3)

PUBLICATION

☐ Annals
Psychoceramics B (2)

☐ Annals of
Psychoceramics B (2)

☐ Journal of
Psychoceramics (1)

CATEGORY

PUBLISHER

☐ CrossRef (3)

SORT BY: **RELEVANCE** PUBLICATION YEAR

PAGE 1 OF 3 RESULTS

Showing results for ORCID matching 0000-0002-1825-0097

The Global State of Psychoceramics Research

Example Item published **2013** in **Annals of Psychoceramics B** volume **2013** on pages **1** to **8**

Research funded by Basic Energy Sciences, Office of Science, U.S. Department of Energy (high-energy-metaphysics-SC0001091) | National Science Foundation (psychoceramics-1152342)

Authors: Josiah Carberry

Other IDs: 515151, 515151

<http://dx.doi.org/10.5555/515151>

Actions

PARTICIPATE

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- Funders / universities
 - Start using the free search and lookup tools to identify funded articles
- Anyone else
 - Start using the free search and lookup tools to see where research funding is coming from!