

Connect funding with content



We collect and disseminate metadata that helps funders track the outputs of funded research. We also have an **advisory group of funders** that is helping us develop services for this audience

How do you find who funded the research?

Acknowledgments

We thank Lucas Wetzel for constructive comments on the manuscript and Stefan Skupin for pointing out occurrences of the dynamic wavelength effect in nonlinear optics. LGM acknowledges support from ANPCyT PICT 2012 1954 and the warm hospitality of the Max Planck Institute for the Physics of Complex Systems. ACO and DS acknowledge support from the Medical Research Council UK (award MC_UP_1202/3) and the Wellcome Trust (WT098025MA).

Crossref funding data (previously FundRef)

Standardisation of funder names using the Funder Registry

+

Publisher deposit of funding metadata

=

Large-scale analysis and reporting to funders

How to deposit funding information?

- In regular metadata deposits:

```
▼<fr:assertion name="fundgroup">
  ▼<fr:assertion name="funder_name">
    Russian Academy of Sciences
    <fr:assertion name="funder_identifier"
      provider="crossref">http://dx.doi.org/10.13039/501100002674</fr:assertion>
    </fr:assertion>
    <fr:assertion name="award_number">OKh-01</fr:assertion>
  </fr:assertion>
</fr:program>
```

- In bulk/resource-only deposits:
You can upload a .csv file containing DOIs and funding information using the web deposit form

<https://support.crossref.org/hc/en-us/articles/215871703-Depositing-funding-and-license-metadata-using-a-csv-file>



We make the funding data openly available,

RUSSIAN ACADEMY OF SCIENCES

TYPE

- Journal Article (1,355)
- Conference Paper (3)

YEAR

- 2016 (330)
- 2017 (325)
- 2015 (308)
- 2014 (164)
- 2018 (89)
- 2013 (47)
- 2012 (39)
- 2011 (32)
- 2010 (10)
- 2009 (2)

PUBLICATION

- Physics Letters B (120)
- Physical Review B (73)
- Physical Review D (64)
- Physical Review Letters (52)
- Physical Review C (42)
- Physical Review E (20)
- Applied Physics Letters (19)
- The Journal of Physical Chemistry C (18)
- Journal of Applied Physics (16)
- Physical Review A (15)

CATEGORY

- Nuclear and High Energy Physics (172)

SORT BY: **RELEVANCE** PUBLICATION YEAR DOWNLOAD AS CSV

PAGE 1 OF 1,358 RESULTS

Electrocatalytic cyclization of 3-(5-hydroxy-3-methylpyrazol-4-yl)-3-arylpropionitriles: 'one-pot' simple fast and efficient way to substituted spirocyclopropylpyrazolonesJournal Article published May 2015 in *Electrochimica Acta* volume 165 on pages 116 to 121

Research funded by Russian Academy of Sciences (ORF-01)

Authors: Anatoly N. Vereshchagin, Michail N. Elinson, Evgeniya O. Dorofeeva, Ruslan F. Nasybulin, Ivan S. Bushmarinov, Alexander S. Goloveshkin, Mikhail P. Egorov

[CF https://doi.org/10.1016/j.electacta.2015.03.015](https://doi.org/10.1016/j.electacta.2015.03.015)  Actions**Supramolecular Assembly of Organophosphonate Diesters Using Paddle-Wheel Complexes: First Examples in Porphyrin Series**Journal Article published 27 Oct 2014 in *Crystal Growth & Design* volume 14 issue 11 on pages 5976 to 5984

Research funded by Russian Foundation for Basic Research (12-03-31339, 12-03-03110) | Russian Academy of Sciences | Centre National de la Recherche Scientifique | RF President's Grant (MK-4452.2012.3)

Authors: Marina A. Uvarova, Anna A. Sineishchikova, Margarita A. Golubnichaya, Sergey E. Nefedov, Yulia Yu. Enakieva, Yulia G. Gorbunova, Aslan Yu. Tolvadze, Christine Stern, Alla Besmertnykh-Lameune, Roger Guillard

[CF https://doi.org/10.1021/cg501157a](https://doi.org/10.1021/cg501157a)  Actions**FIB-fabricated complex-shaped 3D chiral photonic silicon nanostructures**Journal Article published 3 Oct 2017 in *Journal of Microscopy* volume 268 issue 3 on pages 254 to 258

Research funded by Russian Academy of Sciences

Authors: O.Y. ROGOV, V.V. ARTEMOV, M.V. GORKUNOV, A.A. EZHOV, D.N. KHMELNIN

[CF https://doi.org/10.1111/jmi.12644](https://doi.org/10.1111/jmi.12644)  Actions**Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV**Journal Article published Jul 2016 in *Physics Letters B* volume 756 on pages 152 to 160

Research funded by State Fund for Fundamental Research of Ukraine | Türkiye Bilimsel ve Teknolojik Araştırma Kurumu | Ministry of

TYPE

- Journal Article (1,892)
- Journal (1)

YEAR

- 2015 (863)
- 2014 (651)
- 2013 (332)
- 2012 (46)

PUBLICATION

- eLife (1,892)
- Abstract (14)
- Author response (14)
- Decision letter (14)
- eLife digest (14)
- (A) 1 H- 13 C hetero

SORT BY: **RELEVANCE** PUBLICATION YEAR

Showing results for ISSN matching 2050-084X

FUNDER NAME

- National Institutes of Health (564)
- Howard Hughes Medical Institute (315)
- National Science Foundation (141)
- Wellcome Trust (141)
- European Research Council (121)
- National Institute of General Medical Sciences (121)
- Deutsche Forschungsgemeinschaft (105)
- Medical Research Council (77)
- European Commission (62)
- Max-Planck-Gesellschaft (61)

Foundation (MGB-1021677)

Authors: Roberto De Michele, Cindy Ast, Dominique Loqu
U Kumke, Wolf B Frommer<http://dx.doi.org/10.7554/elife.00800> Actions

A highly tunable dopaminergic oscillator

Journal Article published 29 Dec 2014 in eLife v

Research funded by Graham Boeckh Foundation (Gra
Canada (Discovery Grant) | Canadian Institutes of He

Authors: Ian D Blum, Lei Zhu, Luc Moquin, Maia V Kokoer

<http://dx.doi.org/10.7554/elife.05105> ActionsThe transforming growth factor beta sig
cells and isotype-switched antibody re

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DOI	Title	Publication	Authors	Funders	Awards
http://dx.doi.org/10.1016/j.jmbs.2013.07.001	Extracellular regulation of type IIa	Seminars in Cell & Developmental Biology	Charlotte H. Coles, E	Cancer Research UK, Wellcome Trust, Medical Research Council	G0700232 and L009
http://dx.doi.org/10.1016/j.jmbs.2013.07.002	The Cannabinoid Use in Progressive	Health Technology Assessment	Susan Ball, Jane Vick	Multiple Sclerosis Society, National Institute for Health Research, Medical Res	09/800/01
http://dx.doi.org/10.1016/j.jmbs.2013.07.003	Effectiveness of traveller screening	eLife	Katelyn M Gostic, A	Fogarty International Center, National Institutes of Health, Medical Research	732-GM008185
http://dx.doi.org/10.1016/j.jmbs.2013.07.004	Noncanonical binding of BIP ATPs	eLife	Marta Carrara, Filip	Cancer Research UK, Medical Research Council	C33269/A11161
http://dx.doi.org/10.1016/j.jmbs.2013.07.005	Genome-wide association study id	Human Molecular Genetics	George McMahon, S	ALSPAC, UK Medical Research Council and the Wellcome Trust, Wellcome Tr	102215/2/13/2
http://dx.doi.org/10.1016/j.jmbs.2013.07.006	Searsia chirindensis reverses the p	Neuroscience Research	Lihle Qulu, Willie M	Medical Research Council, National Research Foundation	
http://dx.doi.org/10.1016/j.jmbs.2013.07.007	How microglia kill neurons	Brain Research	Guy C. Brown, Anna	Wellcome Trust, European Union, Medical Research Council, Alzheimer's Research Trust	
http://dx.doi.org/10.1016/j.jmbs.2013.07.008	When language gets emotional: In	Acta Psychologica	Ruth Filik, Christian	Medical Research Council, Economic and Social Research Council	RES-060-25-0010, E
http://dx.doi.org/10.1016/j.jmbs.2013.07.009	Oxidative stress response and ada	Fungal Biology Reviews	Stephanie Diezmann	Biotechnology and Biological Sciences Research Council, Medical Research Co	MR/L018349/1
http://dx.doi.org/10.1016/j.jmbs.2013.07.010	Unexpected selection to retain hig	RNA	Wilfried Haerly, Chr	European Research Council, Medical Research Council	
http://dx.doi.org/10.1016/j.jmbs.2013.07.011	Continuum theory of gene express	New Journal of Physics	David J JÄÄrg, Luis G	Wellcome Trust, Medical Research Council, Agencia Nacional de PromociÄÄn	WT098025MA
http://dx.doi.org/10.1016/j.jmbs.2013.07.012	Using a combination of fMRI and a	Neuropsychologia	Richard J. Binney, M	Medical Research Council	MR/J004146/1
http://dx.doi.org/10.1016/j.jmbs.2013.07.013	Reprint of: Semantic impairment o	Neuropsychologia	Timothy T. Rogers, K	Medical Research Council, Welsh Assembly Government, Wales Institute of Cognitive Neuroscie	
http://dx.doi.org/10.1016/j.jmbs.2013.07.014	Longitudinal regional brain volum	Schizophrenia Research	Joyce Y. Guo, Sanna	Signe and Ane Gyllenberg Foundation, Finland, Stanley Foundation, Brain & B	G0701911
http://dx.doi.org/10.1016/j.jmbs.2013.07.015	T-Cell Therapy: Options for Infecti	Clinical Infectious Diseases	Shreemanta K. Parid	European Union, Medical Research Council, European and Developing Countries Clinical Trials Pa	
http://dx.doi.org/10.1016/j.jmbs.2013.07.016	The Distribution of Fitness Costs o	Clinical Infectious Diseases	Gwenan M. Knight, A	Aurum Institute, National Institutes of Health, Medical Research Council, Bill	21675/OPP108427
http://dx.doi.org/10.1016/j.jmbs.2013.07.017	Abnormal visuomotor processing	NeuroImage: Clinical	SiÄÄcn E. Robson, Ma	Dr Hadwen Trust for Humane Research, University of Nottingham, Wellcome	MR/M006301/1
http://dx.doi.org/10.1016/j.jmbs.2013.07.018	A layered electrospun and woven	Acta Biomaterialia	O. Hakimi, P.A. Mou	National Institute for Health Research, Medical Research Council	
http://dx.doi.org/10.1016/j.jmbs.2013.07.019	Decreased inhibitory control of ne	International Journal of Psychophy	Tianliang Yang, Xu L	Fundamental Research Funds for the Central Universities, 863 project, Medic	2015AA020504
http://dx.doi.org/10.1016/j.jmbs.2013.07.020	Modeling early haematologic adve	Radiotherapy and Oncology	Maxwell Robinson, A	Medical Research Council	MC_PC_12001/2
http://dx.doi.org/10.1016/j.jmbs.2013.07.021	A distinctive oral phenotype point	Molecular Genetics & Genomic Me	James A. Poulter, Cl	Sir Jules Thorn Award for Biomedical Research, Medical Research Council, Th	93113
http://dx.doi.org/10.1016/j.jmbs.2013.07.022	A tumor control probability mode	Radiotherapy and Oncology	Rebecca Muirhead, J	CR UK, Medical Research Council	CS255, A15935
http://dx.doi.org/10.1016/j.jmbs.2013.07.023	Allosteric modulation of nicotinic	Biochemical Pharmacology	Anna Chatzidakis, Ne	Syngenta, Eli Lilly, Wellcome Trust, Biotechnology and Biological Sciences Res	G1001602
http://dx.doi.org/10.1016/j.jmbs.2013.07.024	Prenatal maternal mood is associa	Psychoneuroendocrinology	Kieran J. OÄÄC™ Donn	National Institutes of Health, Wellcome Trust, Medical Research Council	74882
http://dx.doi.org/10.1016/j.jmbs.2013.07.025	CSF contamination contributes to	NeuroImage	Rok Berlot, Claudia	Wellcome Trust, Medical Research Council, Slovene Human Resources and Sc	G0701912
http://dx.doi.org/10.1016/j.jmbs.2013.07.026	How are things adding up? Neural	NeuroImage	Nadja Tschentscher,	Gates Cambridge Scholarship, Medical Research Council	MC-AD60-5PR40
http://dx.doi.org/10.1016/j.jmbs.2013.07.027	Permutation inference for the gen	NeuroImage	Anderson M. Winkie	Marie Curie ITN, National Institutes of Health, Wellcome Trust, MRC, Medical Research Council, C	
http://dx.doi.org/10.1016/j.jmbs.2013.07.028	Averaging, not internal noise, limit	Developmental Cognitive Neurosci	Catherine Manning,	The ClothworkersÄÄC™ Foundation and Pears Foundation, Medical Research Council, Economic an	
http://dx.doi.org/10.1016/j.jmbs.2013.07.029	Novel insights into the genetics of	The Lancet Respiratory Medicine	Louise V Wain, Nick	MRC programme, Medical Research Council, MRC fellowships	
http://dx.doi.org/10.1016/j.jmbs.2013.07.030	Molecular mechanisms underlying	The Lancet Respiratory Medicine	Ma'en Obeldat, Ke H	European Community's Seventh Framework Programme, National Heart, Lun	FP7/2007-2013



funders and funding tracking tools

Depositing funding information

- Deposit good quality funding data - funder names without funder IDs are invisible
- Give authors clear instructions and guidance on citing funders correctly
- Full funder name not project acronym
- Include grant numbers

What's next?

- Grant ID project
- Funder working groups
- Funders as Crossref members

Why DOIs for grants?

Funder



Department



Award #



What about?

Funder



Department



Award #



Benefits

- Easier for authors to provide accurate information
- Government funders change names a lot, it's important to be able to redirect to them
- Global grant identifier based on DOIs makes sense: overlaying global namespace i.e. different DOI prefixes on local identifiers will help guard against overlap (like credit cards)

Next steps

Funder Working Group running at Crossref. They've agreed that they'd like to proceed with this initiative.

Pilot metadata deposit with Wellcome, NIH and JST.

Next steps: working with funder groups and finalising the metadata schema for grant IDs.

Questions?



funders can see the results
of their grants in one place