IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Journals Management Board Meeting 2016

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

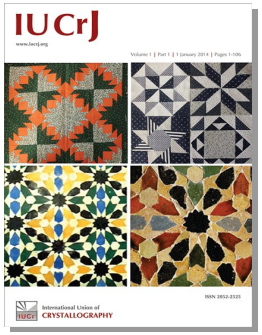
Acta Cryst E

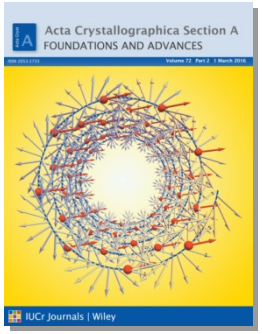
Acta Cryst F

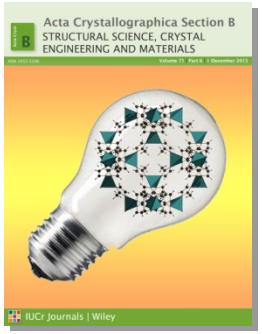
Appl Cryst JAC

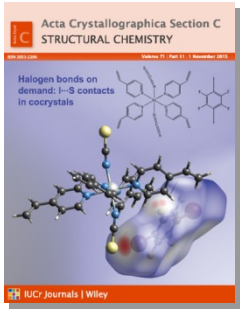
Synchrotron JSR

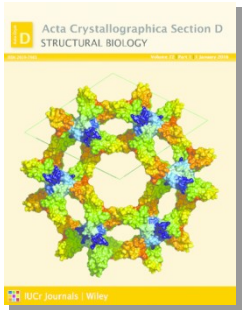
IUCr Journals

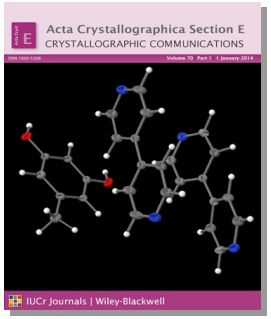


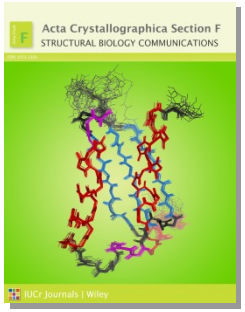


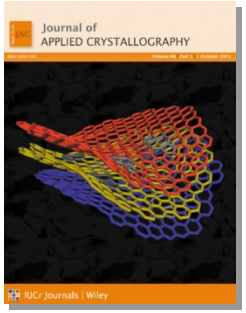


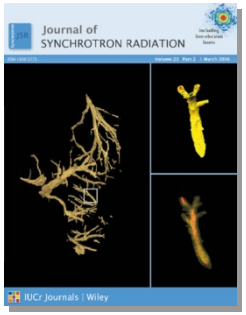












- New covers
- New article design
- New web pages

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

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Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

2. Development of the journals

- General
- Annual reports for each journal
- Journal quality survey

IUCr Publications

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Development of the journals

Aims

- Increase the influence of the journals
- Broaden the scope
- Improve visibility
- Capture emerging fields
- Increase quality and impact in a sustainable fashion

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Development of the journals

What we need to do

- Integrate more closely with Commissions and IUCr activities
- Collect development information from citation and download analyses
- Identify target authors and institutions, and proactively encourage authors to submit
- Determine subject trends and journal opportunities
- Make our journal services more relevant to our users

IUCr Publications

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Development of the journals

Improving our services

- Make our processes as quick as possible
- Develop semantic tools to analyse our content
- Standardise identifiers we use for authors and institutions
- Identify non-journal content of interest on our sites and related sites
- Build subject-related portals
- Use the expertise gained from subject portals to build personal areas

IUCr Publications

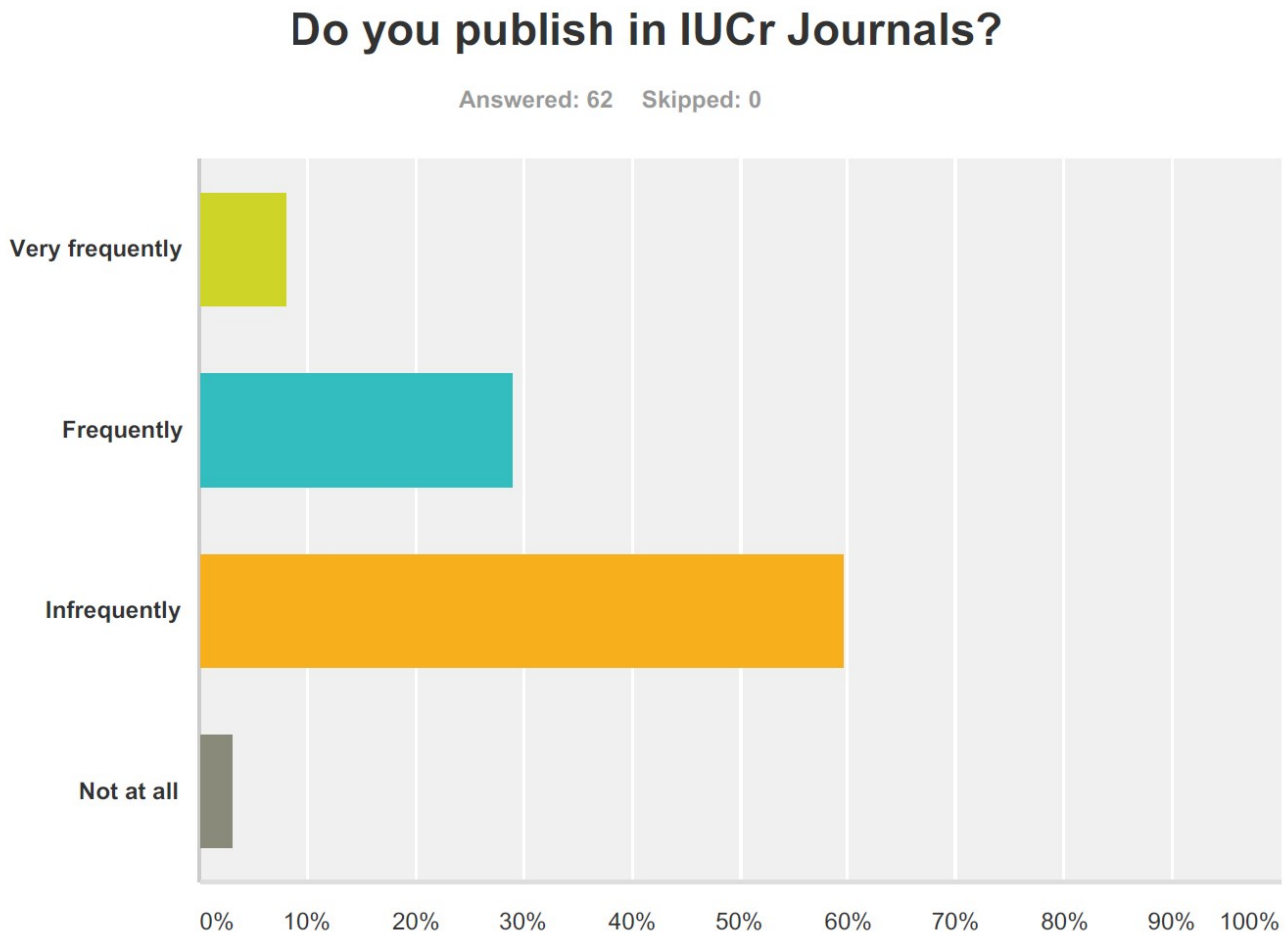
Development of the journals

General questions for discussion at the meeting:

- How can we make best use our resources?
- What new ideas have worked well?
- Are there any activities we can introduce quickly that will make a difference?

IUCr Publications

Journal quality – editor survey



More than 90% publish at least once a year in our journals

IUCr Publications

IUCrJ

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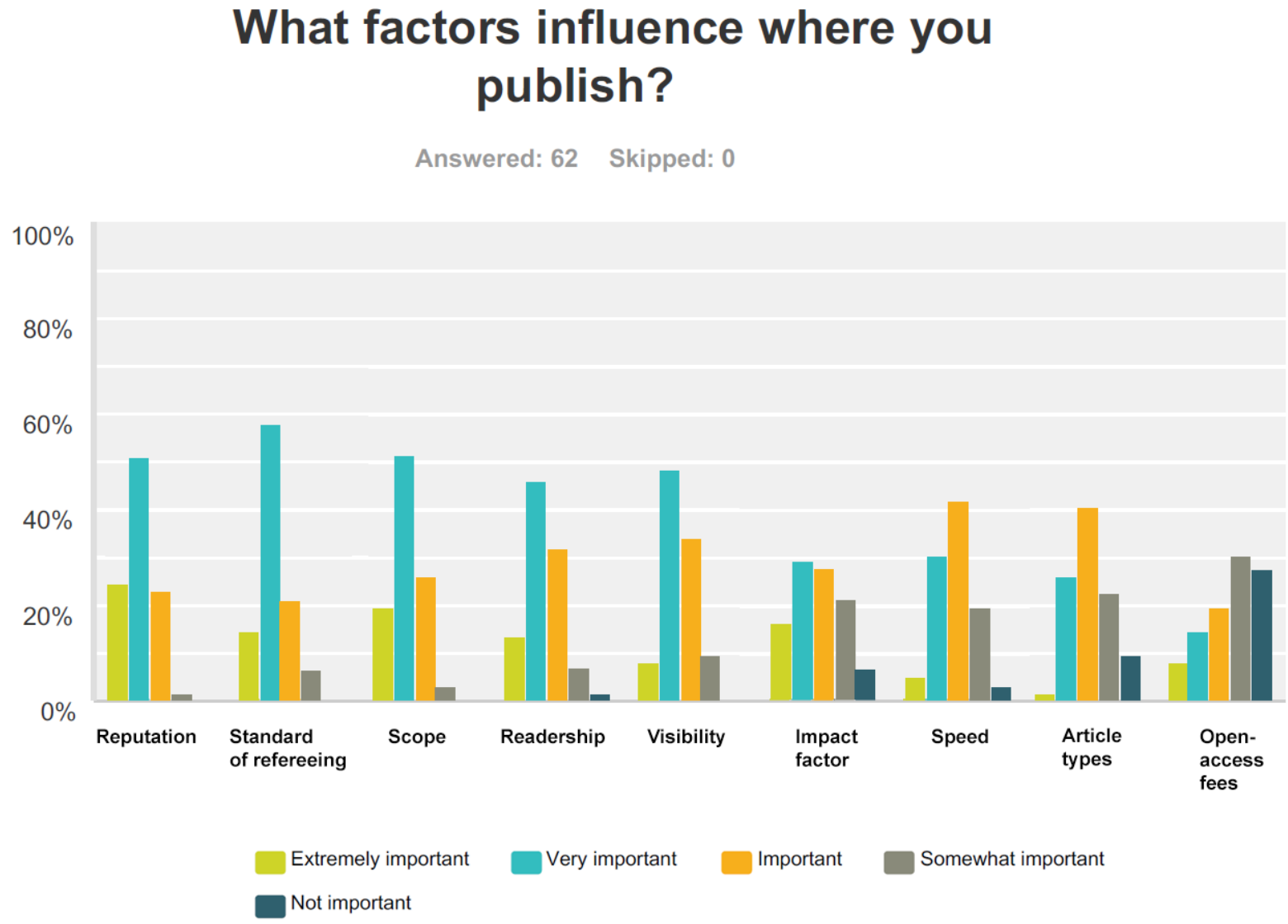
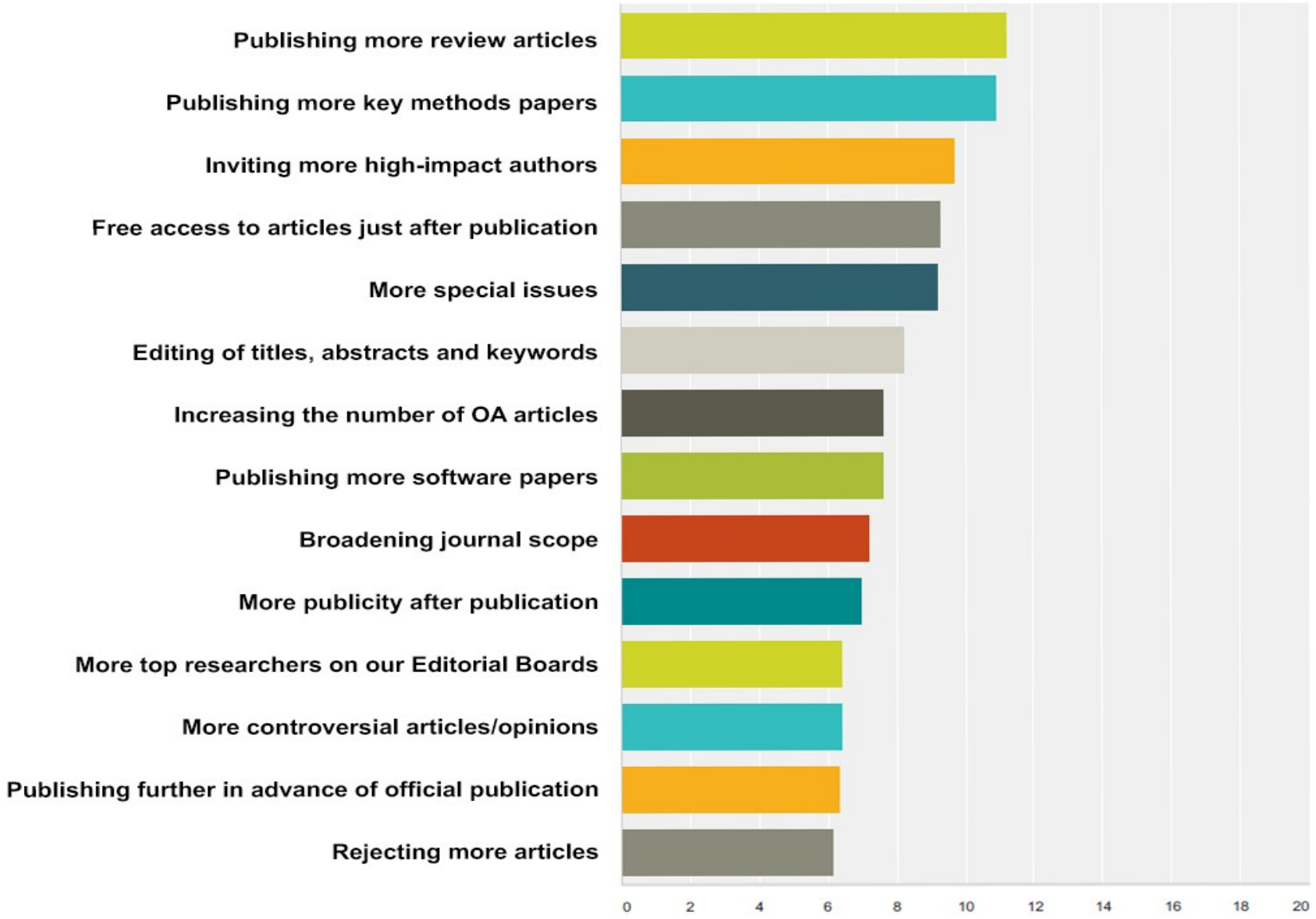
Journal quality – editor survey



Please rank (most important first), which of the following you think would increase the quality of the journals and give sustainable increases in impact factors:

Answered: 54 Skipped: 8



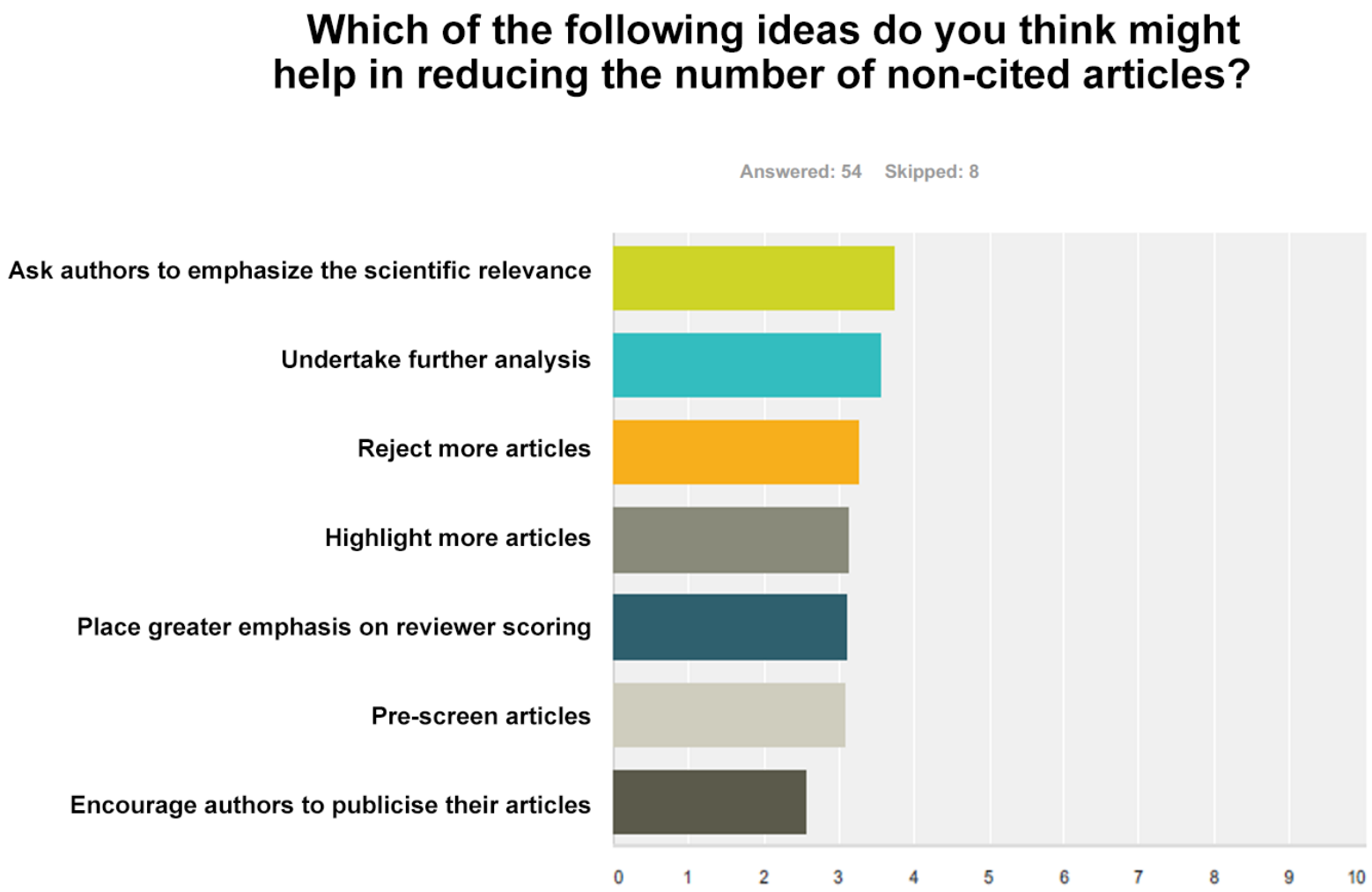
Journal quality – editor survey

Responses to other ideas to increase quality:

- *Identify key developments before they become popular, invite their authors to publish the full/definitive papers in our journals*
- *Maintaining (already high) standards*
- *Provide a sample article of - acceptable format - acceptable language - acceptable structure - acceptable and understandable motivation and tell potential authors: "this is what we expect!“*
- *With one or two exceptions (e.g., IUCrJ), IUCr journals should focus primarily on their 5-year impact factors and mean citation half-life, and they should be very public in declaring this priority.*

IUCr Publications

Journal quality – editor survey



Journal quality – editor survey

Responses to other ideas to reduce the number of uncited articles:

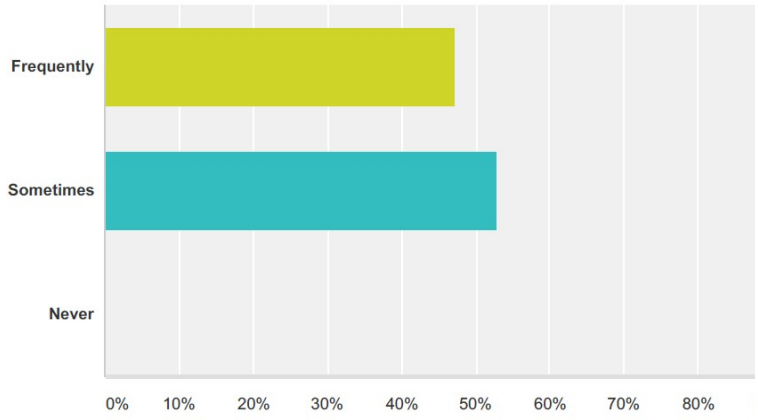
- *Estimate the number of potential readers based on keywords (and WDC?)*
- *All journals have a proportion of poorly-cited articles. It is not always possible to predict which these will be. It is much more important to target articles with a good chance of being highly cited. It is only practical to aim for higher quality and weed out the weaker papers once we are attracting more submissions*
- *Some important papers will not be cited - because they are too specialised, but they may be very important and we have to accommodate them*
- *IUCr Journals should serve the community. Just because an article is not cited, does not mean the work should not be published*
- *Editors and referees asked to take more account of citation history of submitting/principal authors, and perhaps subject area if not mainstream*
- *Use "citeability" as a reviewer scoring criterion*
- *Some methods papers are not cited because the techniques have become part of standard practice. This is something that could easily be fixed by editorial intervention*
- *Convince other publishers to insist CSD structure citations are accompanied by a full citation to the original work*
- *Use stricter criteria for papers to be reviewed*

IUCr Publications

Journal quality – editor survey

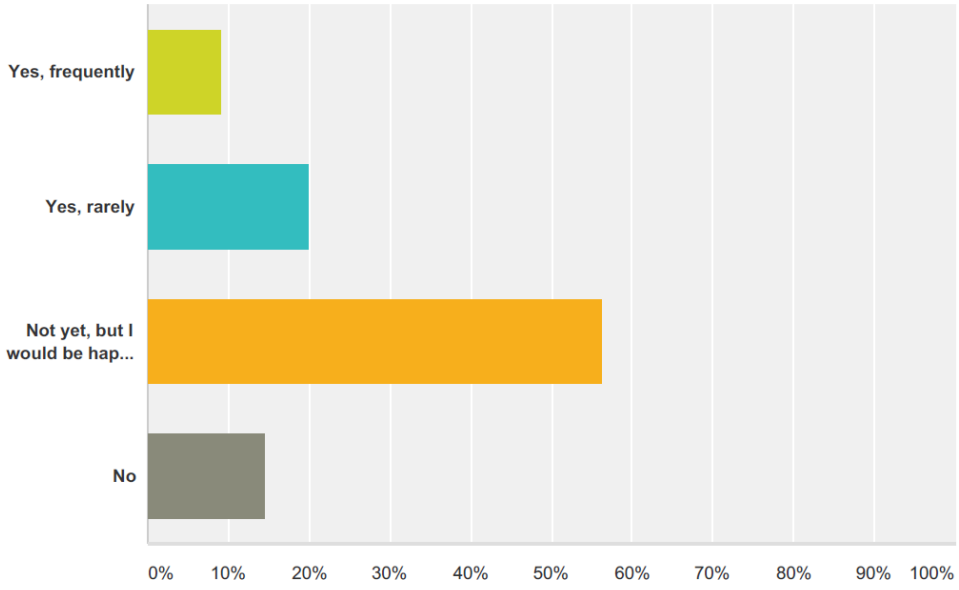
When networking with other researchers, do you recommend IUCr Journals?

Answered: 55 Skipped: 7



Articles can be highlighted in a number of ways, e.g. by a Commentary, a Press release, selection for a journal cover, selection for the highlights section on the front page of the online journal. Have you suggested articles for highlighting to the Main Editors or the Editorial Office?

Answered: 55 Skipped: 7



Journal quality – editor survey

Engagement with authors' institutions and funders:

- *Encourage the authors to engage with their departmental press people prior to publication*
- *Contact the press office at the author's institution directly*
- *Feeding back to the funding agency when IUCr publishes a highlighted paper*
- *Perhaps provide a template for the corresponding author to edit and send to the institutional PR office*
- *Annual author awards would engender significant free publicity from the employer institutions*
- *Give prizes for most cited/read article each year, i.e. attract people by making them think there is a benefit to be won*

IUCr Publications

Journal quality – editor survey

New areas of research to cover:

- *Energy / functional materials*
- *Interface structural <-> medicinal chemistry*
- *XFELs and PDF analysis*
- *Electron diffraction*
- *Gas cell studies*
- *Interdisciplinary research*
- *Any methodological development around crystallography*
- *Science at diffraction-limited light sources*
- *Structural nanoscience*
- *Preparing advanced materials and characterising them at a high level*
- *CryoEM*
- *Crystal growth*
- *Drug design by fragment screening*
- *Time-resolved structural analyses*
- *Integrative studies*

IUCr Publications

Journal quality – editor survey

Additional comments on improving the quality of our journals:

- *The reputation the journals is the most important point*
- *High impact graphical abstracts*
- *It is very important to increase the IF's - I cannot afford publishing below IF = 3.5*
- *More involvement of co-editors in activities such as journal promotion or editing special volumes*
- *More young and active co-editors*
- *Thorough but fair reviewing and editing of articles, on a reasonably prompt time scale*
- *IUCr as a union must fight against the rules that relate funding of researchers with impact factors of their publications - proactively and aggressively*
- *We have to overcome the long-entrenched stigma that Acta is "for crystallographers, by crystallographers“*
- *Be careful not to mistake quality (scientific content) for quantity (bibliometry)*

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

3. Improving the journals and increasing their appeal to a wider audience

- Titles, abstracts and keywords
- After publication (offpage SEO)
- Significance statement/lay summaries
- Author videos
- Audio slides
- Wider aims and scopes
- Graphical representation of journal scope

IUCr Publications

Maximizing appeal and influence

Composition of the article

Title, abstract, keywords

Length

Choice and number of authors

Dissemination

Visibility

Accessibility/open access

Journal choice

Marketing

Social media

IUCr Publications

Search engine optimization (SEO)

The title and abstract are first and sometimes only items available to reader and search engines rate their content as important

Wiley report >50% of their traffic comes directly from search engines

Top in searches means

- more widely read
- more highly cited
- more prestige for authors and journal

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IUCrJ

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Synchrotron JSR

Keywords, keywords, keywords

- useful for SEO
- select carefully
- use at least 4 or 5, include synonyms
- use specific phrases
- use in titles, headings (extra weight)
- repeat throughout abstract
- use frequently but do not overuse
- think of a phrase that other researchers may search on to find your article
- use Google trends/adwords, mesh browser

IUCr Publications

Titles

- include keywords in the first 65 characters
- use specific descriptive terms
- use common word combinations
- don't use abbreviations/acronyms/formulae
- write names in full *e.g. Escherichia coli*
- different opinions published about length of titles
- make them memorable and attractive to a broad audience

IUCr Publications

Abstracts

include the most important information

- use specific descriptive terms
- focus on a few keyword phrases
- repeat the keywords in a natural way
- avoid over-repetition
- check that it reads well - ask a colleague
- say why the research is important to a broader non-scientific audience
- use simple language to explain the method used
- give a brief overview of results

IUCr Publications

Rest of the article

- Check everyone involved is credited, more authors means more citations
- Check author names are consistent so that authors are not missed
- Use easy to understand language
- Cite previous work, provide dois for in the press material
- Acknowledge relevant grant agencies and institutions - they may publicise the article too
- Remember that optimization is not a substitute for quality content so make sure that the science is good

IUCr Publications

What we are doing

- Editing titles, abstracts and keywords was thought to be important in our survey of editors
- We ask authors to supply keywords as part of submission
- Keywords provided during technical editing if none are given
- Graphical thumbnails for all articles
- Notes for authors have been changed to include statements on writing for a broad readership

IUCr Publications

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Synchrotron JSR

Editing in action – a case study

- The abstracts and titles of Acta C articles have been changed during technical editing to increase searchability and make them look less routine
- The title has keywords added if necessary, the abstract is more structured to include why the the study is important to a broader non-scientific audience, why it was carried out and how it fits into the current literature
- Authors are not asked to make the changes but are asked to check the changes in their proofs
- No complaints have been received, the editors are often thanked for improving the article

IUCr Publications

After an article is published

Encourage authors to

- cite it
- mention it on social media
- use LinkedIn, ORCID, ResearchGate, Academia.edu, twitter, Kudos
- link to it on their lab/departmental website
- add something to wikipedia
- mention it in talks at conferences
- tell the media centre of their institution
- make videos/slides
- make it open access

IUCr Publications

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What we are doing

Kudos

Twitter

Author videos

Audio slides

ORCID

Commentaries/highlights/news items

Articles sent to numerous abstracting and indexing services

Help page on article publicity

Questions for discussion:

How can we encourage authors to become involved?

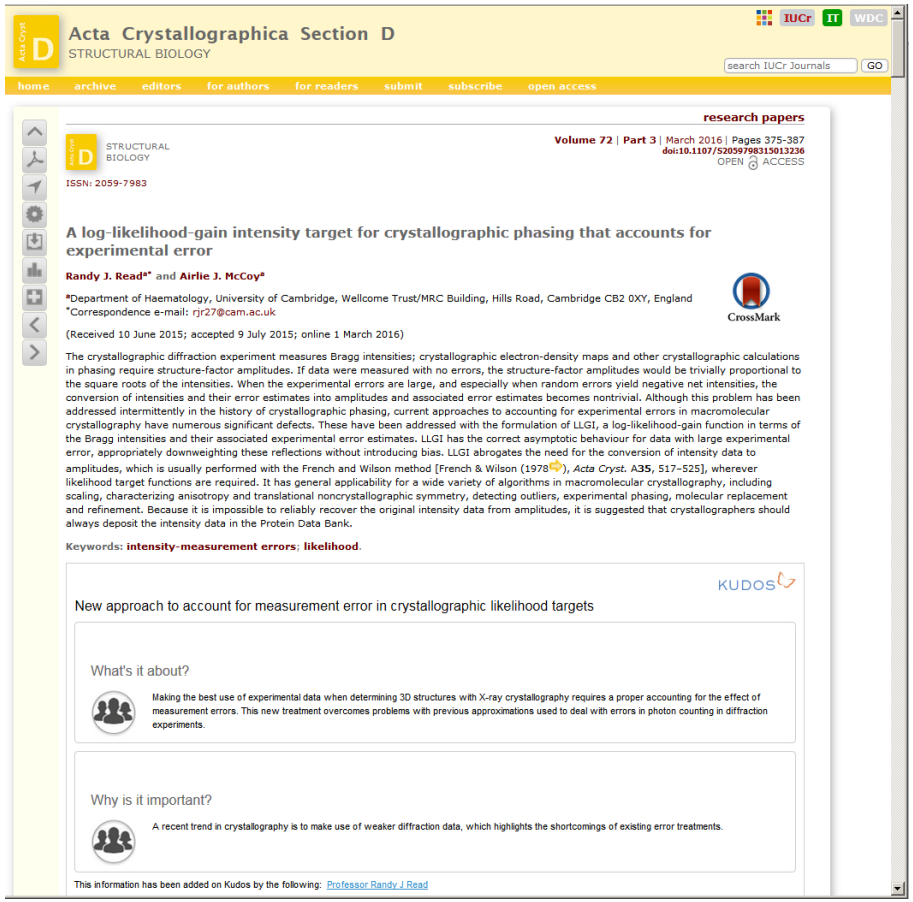
IUCr Publications

Significance statement/lay summaries

Some publishers provide these to help the article reach a wider audience

Authors of IUCr Journals are now asked to provide lay summaries for Kudos

The lay summaries are displayed in the online version of articles and on article landing pages



Acta Crystallographica Section D
STRUCTURAL BIOLOGY

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research papers

STRUCTURAL BIOLOGY

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OPEN ACCESS

ISSN: 2059-7983

A log-likelihood-gain intensity target for crystallographic phasing that accounts for experimental error

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The crystallographic diffraction experiment measures Bragg intensities; crystallographic electron-density maps and other crystallographic calculations in phasing require structure-factor amplitudes. If data were measured with no errors, the structure-factor amplitudes would be trivially proportional to the square roots of the intensities. When the experimental errors are large, and especially when random errors yield negative net intensities, the conversion of intensities and their error estimates into amplitudes and associated error estimates becomes nontrivial. Although this problem has been addressed intermittently in the history of crystallographic phasing, current approaches to accounting for experimental errors in macromolecular crystallography have numerous significant defects. These have been addressed with the formulation of LLGI, a log-likelihood-gain function in terms of the Bragg intensities and their associated experimental error estimates. LLGI has the correct asymptotic behaviour for data with large experimental error, appropriately downweighting these reflections without introducing bias. LLGI abrogates the need for the conversion of intensity data to amplitudes, which is usually performed with the French and Wilson method [French & Wilson (1978), *Acta Cryst.* A**35**, 517–525], wherever likelihood target functions are required. It has general applicability for a wide variety of algorithms in macromolecular crystallography, including scaling, characterizing anisotropy and translational noncrystallographic symmetry, detecting outliers, experimental phasing, molecular replacement and refinement. Because it is impossible to reliably recover the original intensity data from amplitudes, it is suggested that crystallographers should always deposit the intensity data in the Protein Data Bank.

Keywords: **intensity-measurement errors**; **likelihood**.

KUDOS

New approach to account for measurement error in crystallographic likelihood targets

What's it about?

Making the best use of experimental data when determining 3D structures with X-ray crystallography requires a proper accounting for the effect of measurement errors. This new treatment overcomes problems with previous approximations used to deal with errors in photon counting in diffraction experiments.

Why is it important?

A recent trend in crystallography is to make use of weaker diffraction data, which highlights the shortcomings of existing error treatments.

This information has been added on Kudos by the following: Professor Randy J Read

Questions for discussion:

Should IUCr Journals consider including significance statements?

Can the lay summaries written for Kudos serve the same purpose?

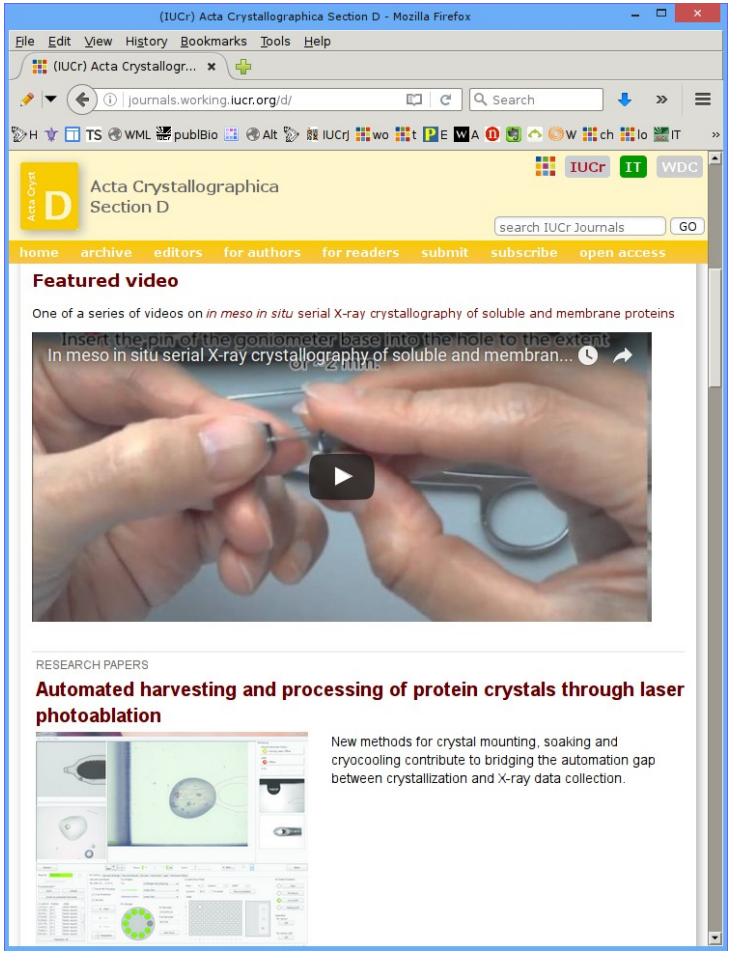
IUCr Publications

Author videos

Videos often accompany articles e.g. to show a technique or reaction mechanism

Can also be commissioned and explain the context and importance of research

Videos can be found on IUCr YouTube channel



Questions for discussion:

Should we encourage authors to provide videos explaining their work?

Which journals would be appropriate?

Should the videos be included in the peer review process or could they be submitted after acceptance?

IUCr Publications

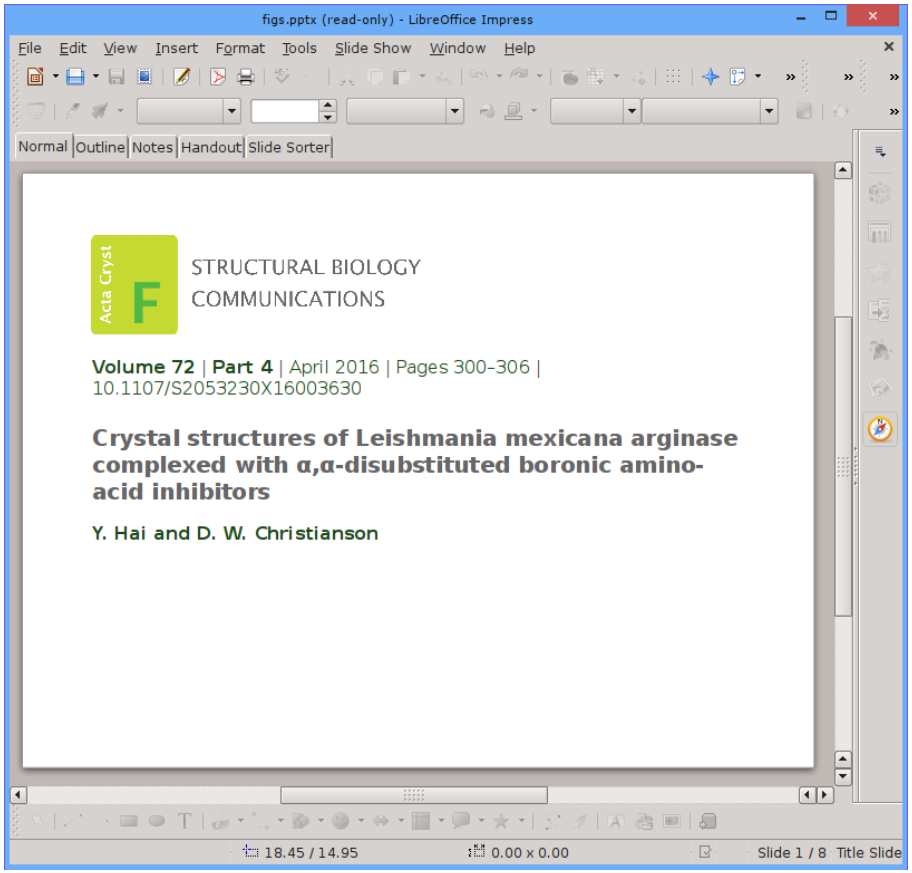
Audio slides

Short, webcast-style presentations that let authors present their research in their own words

A standard set of slides can be provided to authors on publication

Questions for discussion:

Should we encourage authors to annotate slides to explain their work?



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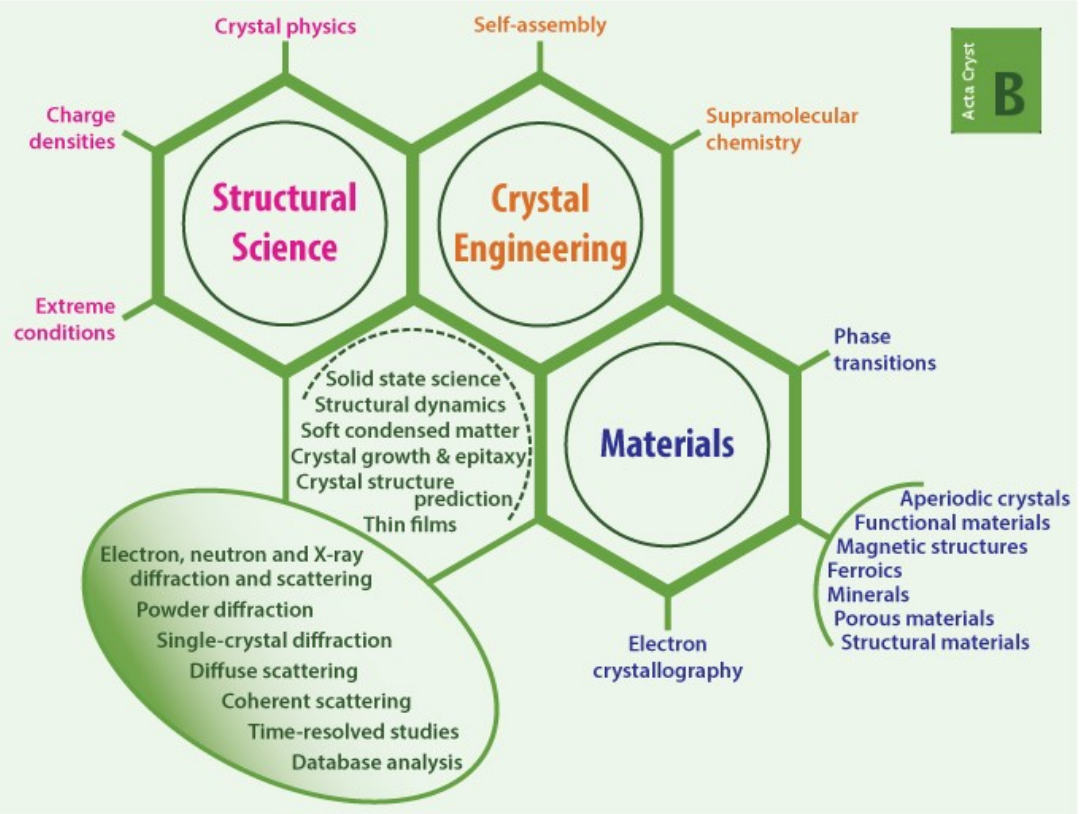
Aims and scope

Including a graphical representation may help authors understand the aims and scope of the journal

A possible graphical aims and scope has been drawn for Acta B



Questions for discussion:

Should the aims and scopes of any of our journals be widened further?

Does the graphical aims and scope work for Acta B?

Would any of our other journals benefit from a graphical aims and scope?

IUCr Publications

IUCrJ

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Appl Cryst JAC

Synchrotron JSR

What can you do to help?

Encourage authors to

- Think what is important about the research in their article
- Produce good keywords and use them throughout (but not too much)
- Write a simple but informative title
- Write a clear abstract
- Write a lay summary about their article once it is accepted
- Use social media to spread the word
- Liaise with the Managing Editor to promote the article

IUCr Publications

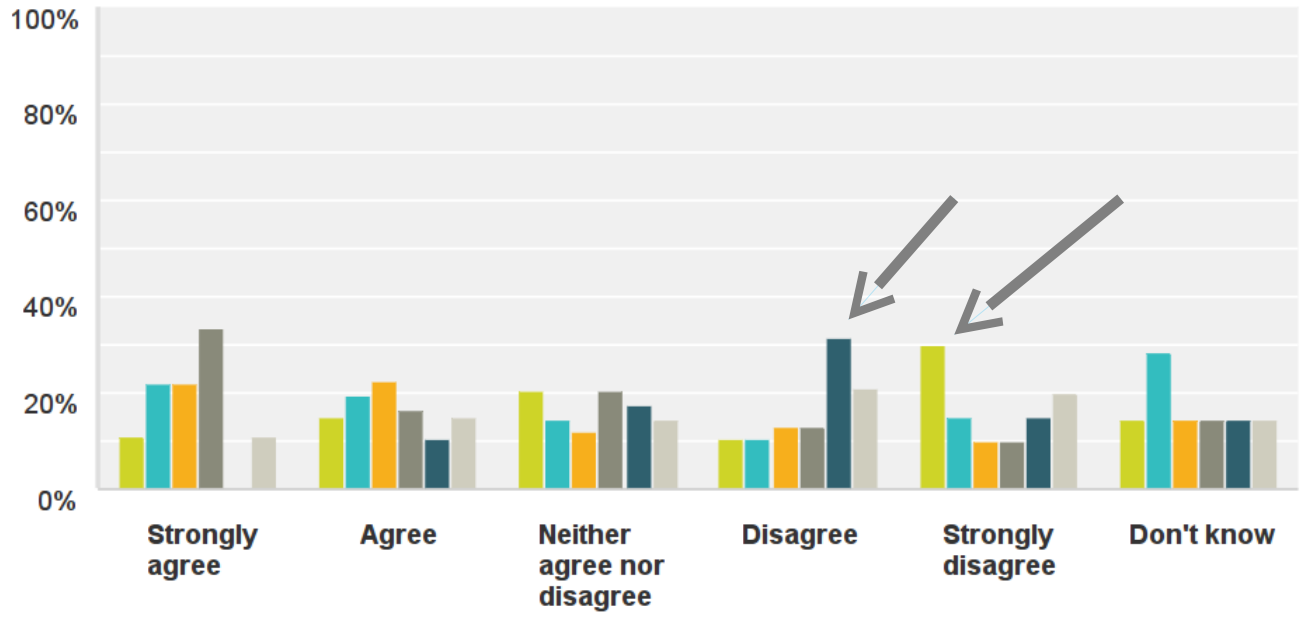
4. Retirements and Co-editor appointments

- Survey on appointment procedures (29 replies)
- New appointments

IUCr Publications

Please indicate whether you agree or disagree with the following statements concerning editor appointments.

Answered: 29 Skipped: 0



- The current appointment procedure is working well:
- We are able to attract the highest quality scientists representing the potential community...
- The current procedure gives a good scientific spread of editors:
- The current procedure gives a good geographical spread of editors from major science natio...
- The current procedure gives a good gender balance of editors:
- The current criteria for the appointment of editors are appropriate:

Appointment procedures – survey

General procedures (1)

- *In principle the current procedure should work ok: Main Editors choose candidates, Chester researches them, Editor-in-Chief chooses most appropriate target, target invited.to send in CV, details sent to Executive Committee - if we stick by these rules appointments shouldn't be too problematic*
- *Do not put geography above gender in selection criteria. If crystallography is to continue as a discipline into the future we need to look to the future not to the past for representation - we need to be more open to appointing younger up-and-comers not well-established Professors*
- *Speed up appointments. Allow degree of flexibility as requirements for the various journals differ. Not be too hung up on metrics. Need to make sure we get people who will work hard for the journals once appointed – personal recommendations can be useful in identifying such candidates*
- *Simplify it. Less reliance on metrics which are not consistent across different areas of science*
- *Direct communication between the Editor-in-Chief and the Main Editors is essential. Candidates who might not fit all the criteria but would still be very valuable as Co-editors should not be rejected outright, but should be considered on a case-by-case basis*

IUCr Publications

Appointment procedures – survey

General procedures (2)

- *The editors should always be on the lookout for new co-editors so that they are ready to replace any that are retiring or add to the expertise on the board. The EiC should not need to get involved unless specifically asked to help. If candidates are rejected a full explanation in writing would be useful, so that this feedback can be used when selecting future candidates*
- *Procedures are OK, but flexibility in appointment criteria is important. Criteria that may be good for IUCrJ, A & D are potentially less suitable when trying to find people for C & E*
- *A stellar scientist is not necessarily a good editor. I believe we have to let go of publication statistics and H-indices and look for people who are good scientists AND dedicated to the journal*
- *Younger people should be taken on board. People who publish in that journal should be preferred*
- *We need to aim for more of a balance between established high-impact researchers and those who are active in fields of interest in other ways. A major understated requirement is that a co-editor has the time to process a reasonable number of papers each year. The most prominent active researchers in a field frequently do not have this time. Less prominent but respected figures in a field frequently will put in this time*
- *Either let the EiC do it all, or delegate to the journal editors*

IUCr Publications

Appointment procedures – survey

Gender balance

- *Do not put gender last as the selection criteria, put it first. Make sure that we have a target that is representative and set in place procedures to reach that target. IUCr should establish a register of women crystallographers that can be used not just for editor selection but also to assist speaker selection at conferences. We should look for unconscious bias in our selection process and discuss this openly to develop protocols to mitigate against. We should have women only rounds of appointment to address historic imbalance. We should not use hard metric selection criteria that do not take into account career disruptions or unconscious bias*
- *We need to make a concerted effort to attract high quality female candidates and the editors from each journal should be encouraged to draw up a list of high quality female candidates*
- *In order to improve this in the long term, we need to involve women at earlier stages of their careers to foster a relationship with the Union*
- *Criteria such as H index should not be used to select candidates as these are biased against female candidates. The criteria should be relaxed and the focus should be placed on individual candidates actual abilities and suitability for the post rather than on statistics. More women could then be put forward. What the role entails could be explained more clearly to candidates so that they can see how easy it would be for them to carry out the tasks required*
- *We should recognise that high-profile female candidates tend to be overburdened with such requests. We therefore need to identify and invite "rising stars" who are not yet so committed (this applies generally, and not only to female candidates)*

Appointment procedures – survey

Geographical balance

- *Look for authors from across the world who publish good papers in the IUCr journals and invite them to become referees, then co-editors before becoming main editors*
- *The current distribution should be given on the form when a new member is nominated*
- *Editors should be sought from all nations not just from major science nations. The criteria for choosing editors should be inclusive not exclusive and countries should not be ruled out*
- *Involve more scientists from established institutions in China and Taiwan*
- *It would help to delegate more responsibility to section editors. Attempts in the past to come up with a balanced list of candidates have been blunted when a large fraction of the suggested candidates is excluded*

IUCr Publications

Appointment procedures – survey

Streamlining appointments

- *If the guidelines are followed then maybe we do not need to streamline*
- *Initiate it at regular time intervals, even if no changes are immediately necessary it is good to check it once again and to handle proactively*
- *Encourage direct dialogue between the Editor-in-Chief and the Main Editors*
- *Improve and clarify the criteria for suitability of candidates*

IUCr Publications

Appointment procedures – survey

Attracting the best candidates

- *This is becoming increasingly difficult, as the workload for academics across the world seems to be ever increasing*
- *It is easier to get people to agree if they have published with us or feel some connection to the IUCr*
- *Some candidates are just too busy to effective editors. Younger scientists should be given more opportunities in these roles*
- *The standing of the journal among the researchers is the main influence on attracting editors*
- *We have some truly excellent editors, but they agree out of loyalty to IUCr*
- *The best Editors are those who are scientifically capable, can read and write in English, and are able to dedicate the appropriate time to editorial tasks*
- *In my opinion, the best candidates for new editors will be diverse and representative of the society, will be mid-career researchers with a growing national or international profile and will have strong work ethic and commitment to cooperation and working together for the good of the discipline. Do we select the best candidates using those criteria. No we do not*

IUCr Publications

Appointment procedures – survey

Additional comments

- *We would benefit from a major review of the process*
- *More use could be made of the Co-editors' expertise and contacts. The current h-index criterion is too restrictive. Section Editors could be allowed to take greater responsibility in the election of their own Editorial Boards*
- *It was mentioned at the previous Journals Board meeting that to fill, for example, one position a number of potential candidates should be approached and asked to send in their CV and then the choice be made of who to appoint. I think it would be better to only approach candidates once we know we want them*
- *The current system is burdensome for the Main Editors, who are required to put forward very many names in order to get one or two appointments*
- *I do not choose a journal for my paper because of the name of the editor who might handle it, but rather the reputation and relevance of the journal to my work. Thus I suggest we probably do not need to rely on the criterion of an editor "being able to attract high-quality papers"*
- *It should be common for co-editor candidates to be considered multiple times (if not initially accepted). Not only do individual career profiles develop and evolve, but the journal co-editor needs also evolve, as people come and go*

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

5. Pre-screening

Aims:

- Quicker decisions for authors
- Maintaining the quality of the journal
- Keeping papers to a manageable number
- Maintaining consistency in the quality of papers

Opportunity to divert papers to a more suitable journal

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Pre-screening in Acta A

Main Editors vote and comment on all submissions to the Advances section and assess potential impact:

- → Advances
- → Foundations
- → Not suitable for Acta A

IUCr Publications

Pre-screening for Acta B Co-editors

Questions:

(1) Does the paper fit the scope of the journal? If not, is another IUCr journal more appropriate?

(2) Does the content broadly follow the editorial guidelines in the Notes for Authors?

(3) Is the manuscript complete and well presented?

(4) Is the quality of writing sufficient for refereeing?

(5) Has all necessary supplementary data been provided for refereeing?

Notes:

(a) The Section Editors are available for consultation on any of these points if required.

(b) If a paper has significant language or other problems but does not look scientifically flawed, rejection with a request to revise and resubmit might be reasonable.

(c) If outright rejection at the pre-screening stage is being considered, the Co-editor may want to cross-check with the Section Editors before informing the authors.

IUCr Publications

Pre-screening for Acta D Co-editors

Before sending out for review:

Is the paper potentially acceptable for any of the IUCr journals?

- Are there any serious scientific or methodological flaws?
- Are the results novel?
- Has the work already been published or submitted elsewhere?

Should the paper be sent back for a pre-review revision?

- Is the quality of writing sufficient?
- Is the format correct and does the manuscript satisfy the requirements of the Notes for Authors?
- Are the conclusions justified by the data presented?
- Is the topic covered in enough depth?

Should the paper be considered for transfer to another IUCr journal?

- Will the article have an influence on the field of structural biology or macromolecular crystallography?
- For structural papers, are there significant new biological or structural insights at the level required in Acta D?

After receiving reviews:

Do the referees suggest or imply a different IUCr journal?

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Pre-screening in Acta E

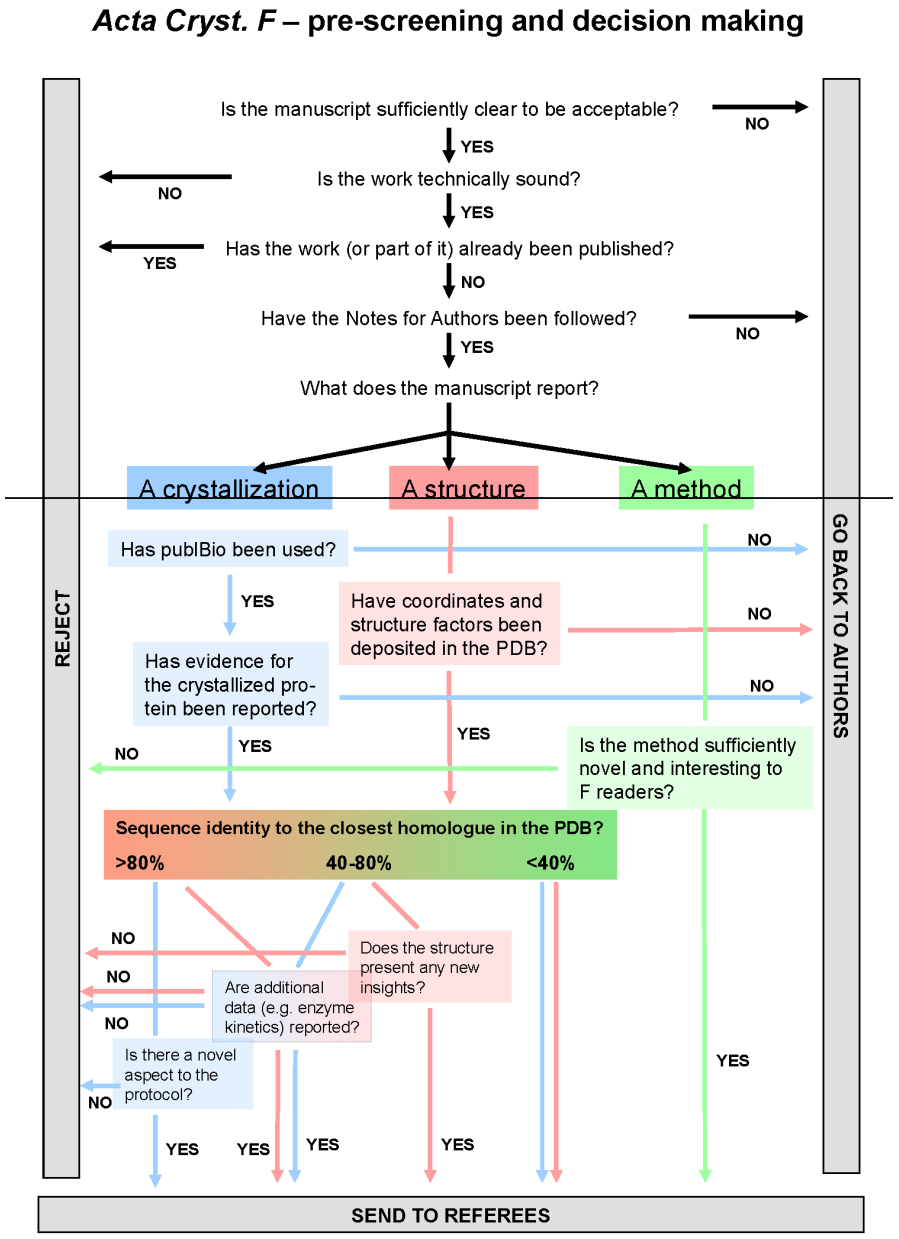
Each paper seen by one Main Editor:

- → Research communications
- → Data Reports

Main Editors encourage authors to write longer articles. Very few rejected.

IUCr Publications

Pre-screening flowchart for Acta F Co-editors



IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Pre-screening in IUCrJ

Each paper seen by 5 Main Editors, who vote, comment and assess potential impact:

- If yes vote → IUCrJ
- Split vote, Editor-in-Chief asked to cast deciding vote
- Editor-in-chief sometimes comments on submissions during voting
- For rejected submissions, transfer to another IUCr journal usually offered

IUCr Publications

Other IUCr journals

- Acta C – pre-screening not needed at the moment but favour a set of guidelines for Co-editors
- J. Appl. Cryst. – would consider pre-screening if the number of submitted articles increases significantly
- J. Synchrotron Rad. – Editors have agreed to pre-screening; implementation by 2017

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

6. Reviewers and review procedures

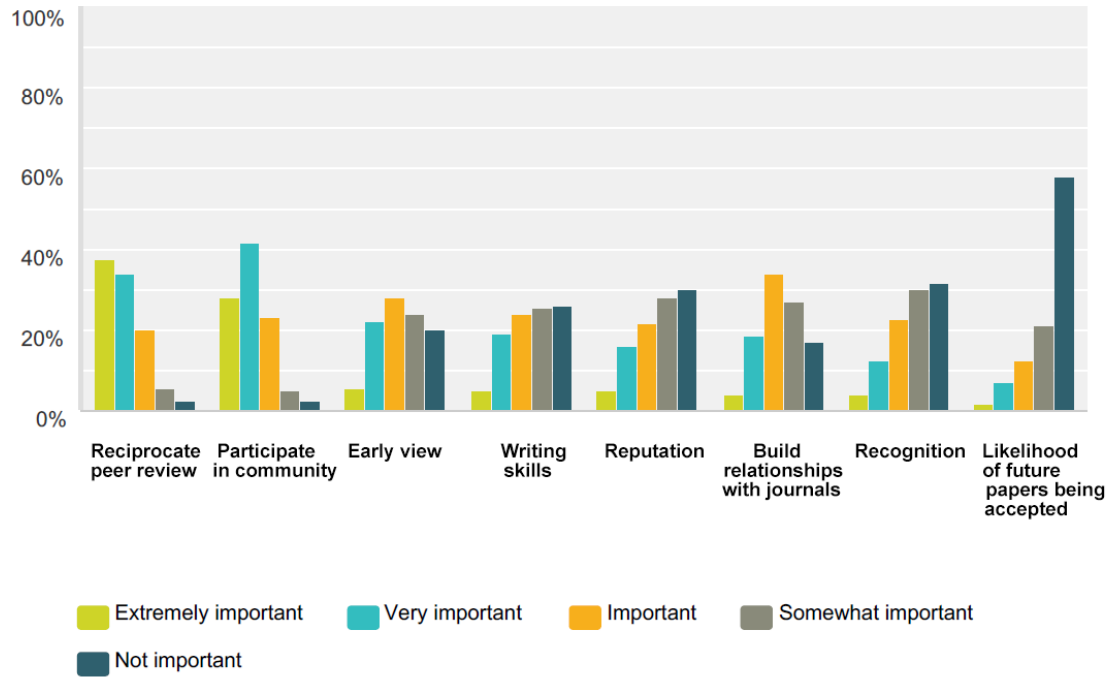
- Survey of reviewers (over 500 responses)
- Questions for discussion

IUCr Publications

Reviewers' survey

We are keen to understand the reasons why you act as a peer reviewer. Please let us know which of the following statements are important in relation to your work as a reviewer.

Answered: 521 Skipped: 1



IUCr Publications

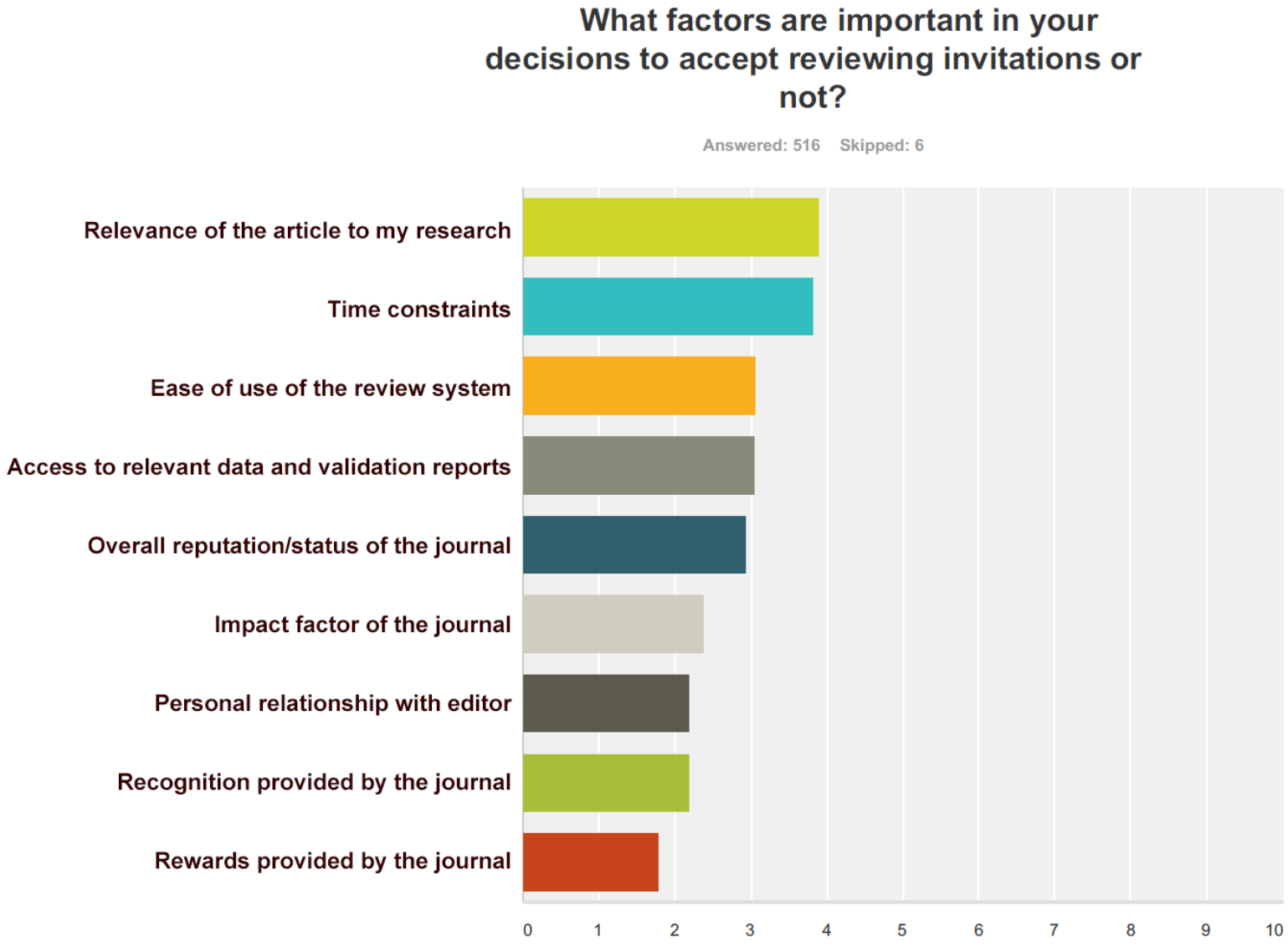
Reviewers' survey

Other important reasons why you act as a peer reviewer:

- *If you are a responsible member of the scientific community, reviewing is one of your commitments*
- *It is all part of the job of a professional scientist*
- *The system of peer review only works if everyone participates*

IUCr Publications

Reviewers' survey



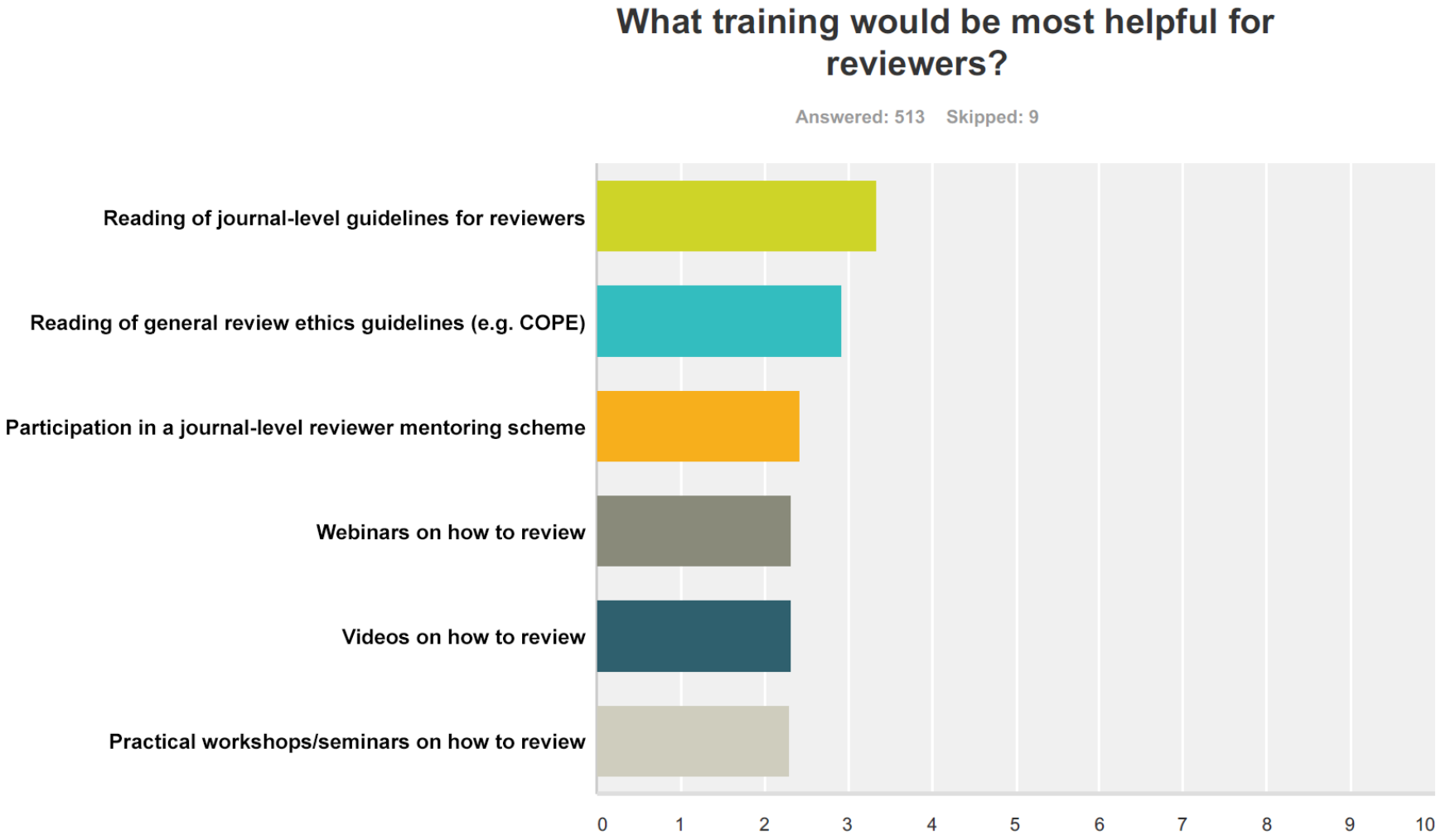
Reviewers' survey

Other important factors:

- *Journals do not provide any rewards. Just the opposite – one good review generates many more requests*
- *Time constraints are often too tight – three weeks for the reviewer is a must*
- *It must be for journal that I would also publish in*

IUCr Publications

Reviewers' survey



Reviewers' survey

Other training that would be helpful:

- *After acceptance/rejection, all reviewers should see all the reviews*
- *Hints from the editors on the expected quality for the journal would be useful*
- *Webinars etc. are a nice idea, but I don't honestly have time to take part*

IUCr Publications

Reviewers' survey

IUCr Publications

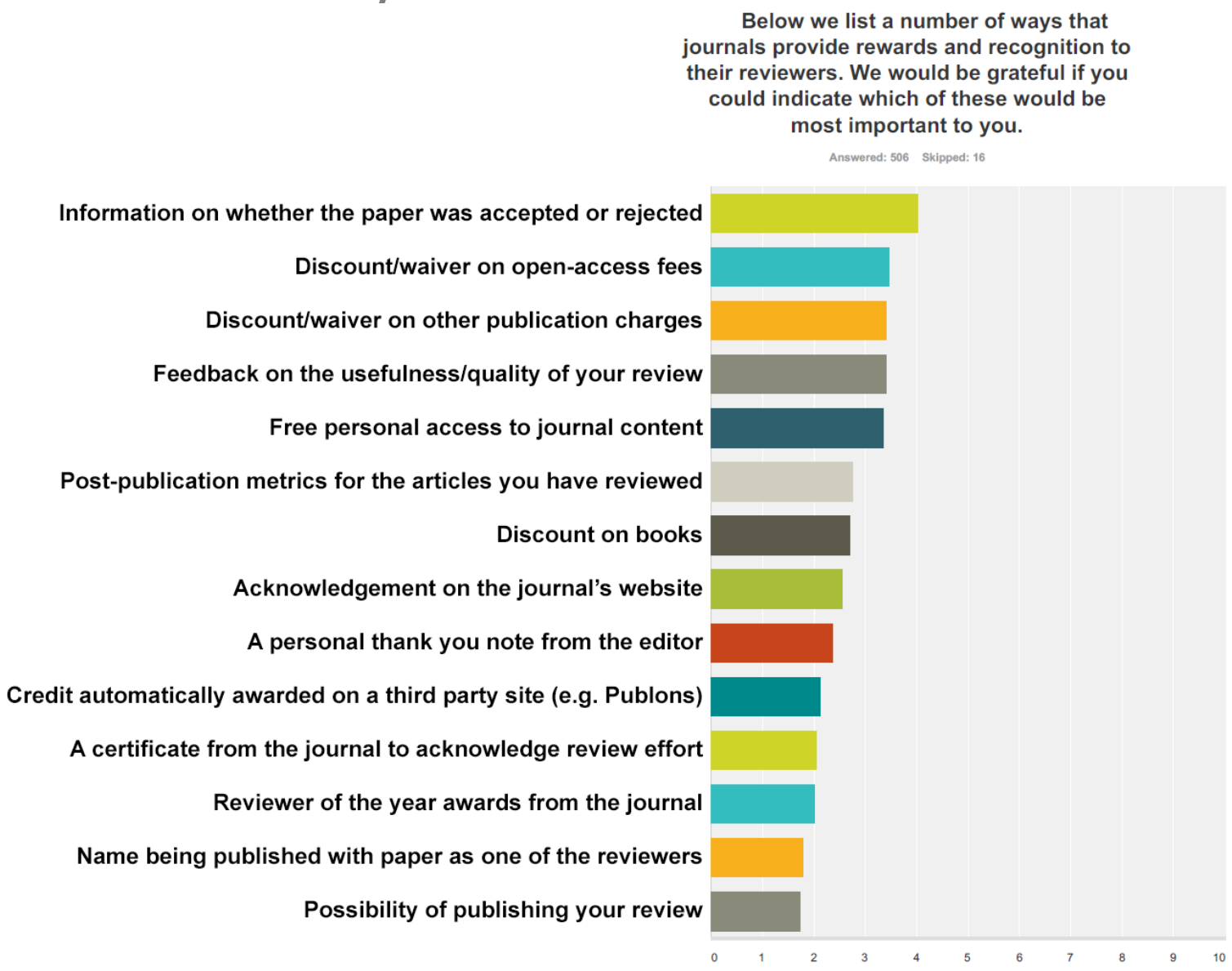
Reviewers' survey

Other ways in which you think the review process could be made more efficient:

- *Access to the cited literature would be tremendously useful, even if that is unrealistic*
- *Editors should more thoroughly screen manuscripts for scientific quality before sending papers out for review*
- *Chance to review specific parts of a manuscript (not all of it) when it contains very different techniques and the reviewer may not be an expert in all of them*

IUCr Publications

Reviewers' survey



Reviewers' survey

Other rewards/recognition that might encourage you to review an article:

- *Little presents like fee waivers are very nice*
- *A copy of the final accepted article if it is not open access*
- *Access to journal content as a thank you*

IUCr Publications

Reviewers' survey

Other comments on improving the review process:

- *Automated nag emails. 1 week before deadline. Then 2 days. Then every day…*
- *Keep track of the number of requests to a given reviewer – and try not to overburden them*
- *IUCr review process is already very good from both reviewer and author point of view. Do not throw the baby out with the bathwater. Change for change's sake is to be avoided*

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

General review procedures

Questions for discussion:

- How well is the submission and review system working?
- What additional features would be helpful?
- What additional help should we provide to Co-editors to ensure rapid review?

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

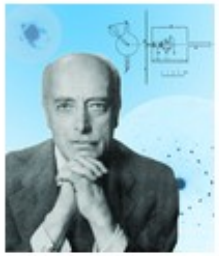
Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

7. Special issues

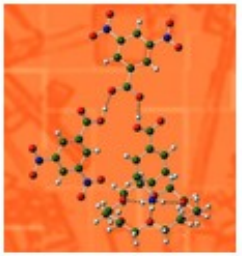
A Laue centennial issue



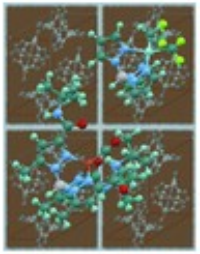
A Bragg centennial issue

B Energy materials

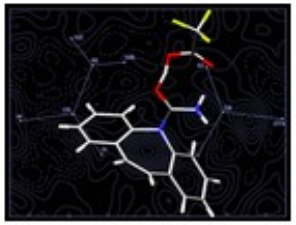
B Crystal engineering



C Scorpionates

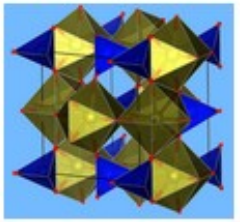


C Pharmaceuticals and natural products

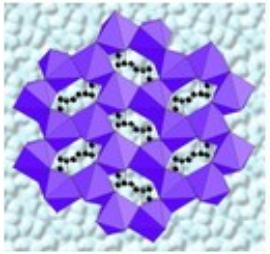


C Crystallography, spectroscopy and theory

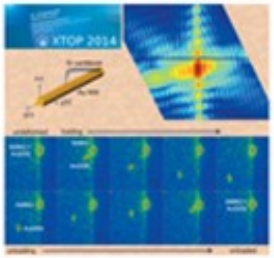
C Computational materials discovery



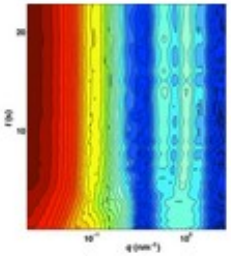
C Coordination polymers



JAC X-ray diffraction and imaging



JAC Small-angle scattering



JSR Diffraction-Limited Storage Rings

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

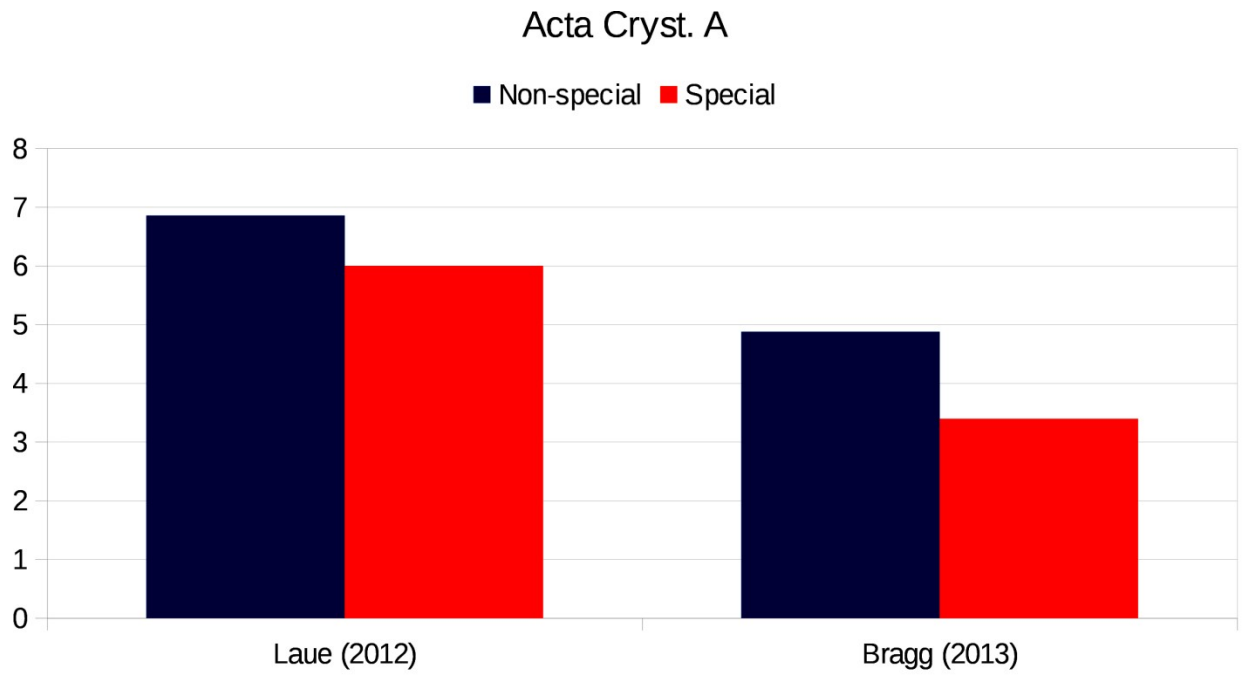
Acta Cryst E

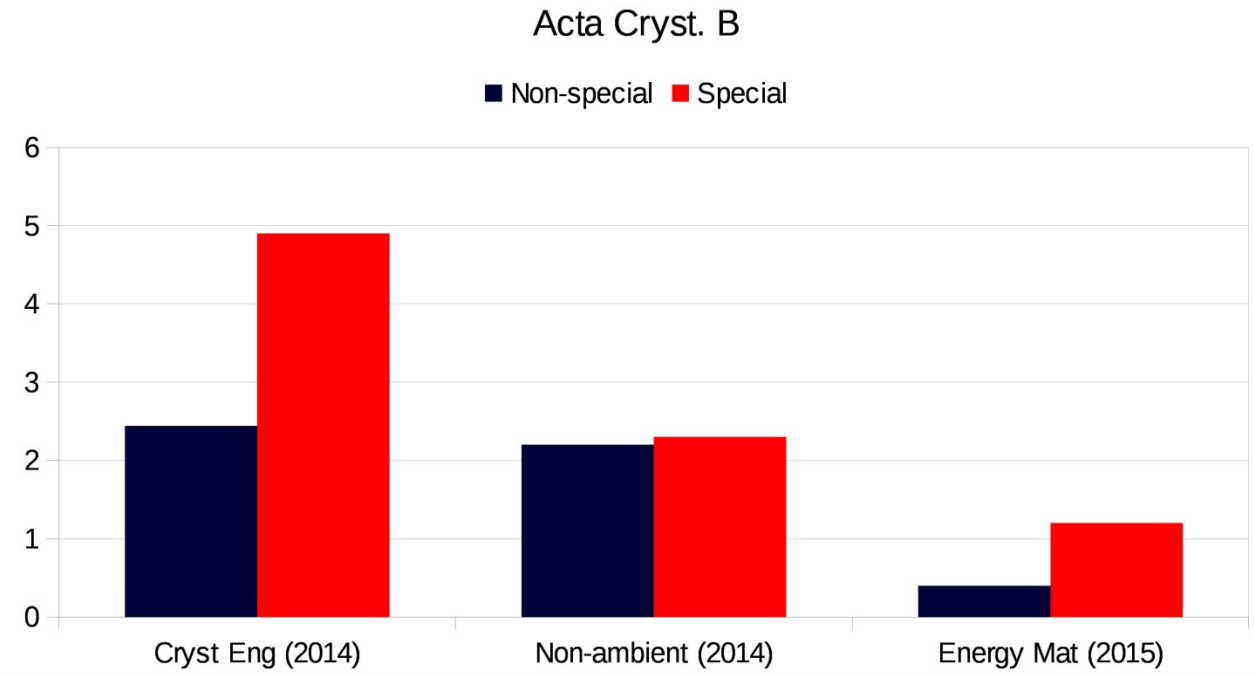
Acta Cryst F

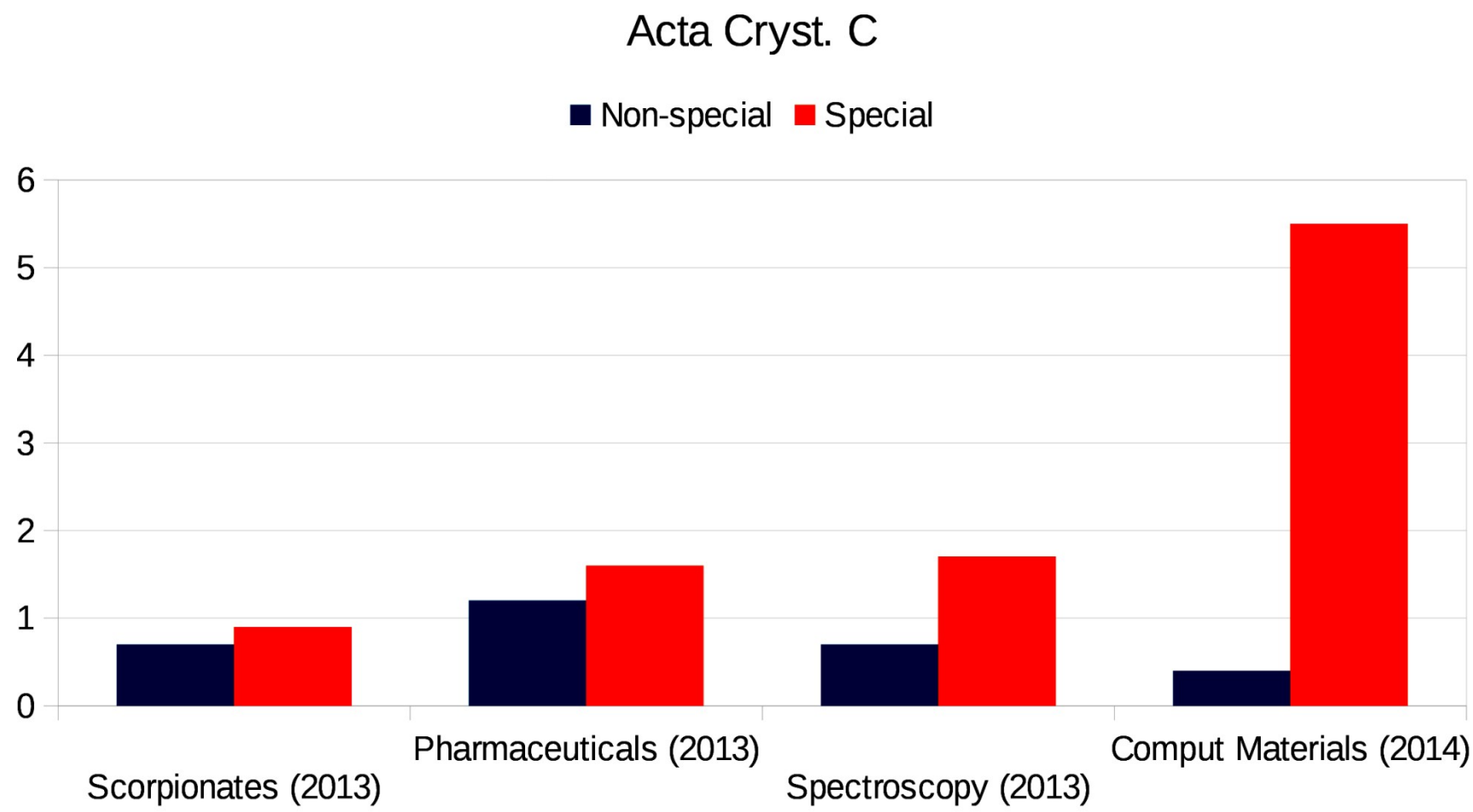
Appl Cryst JAC

Synchrotron JSR

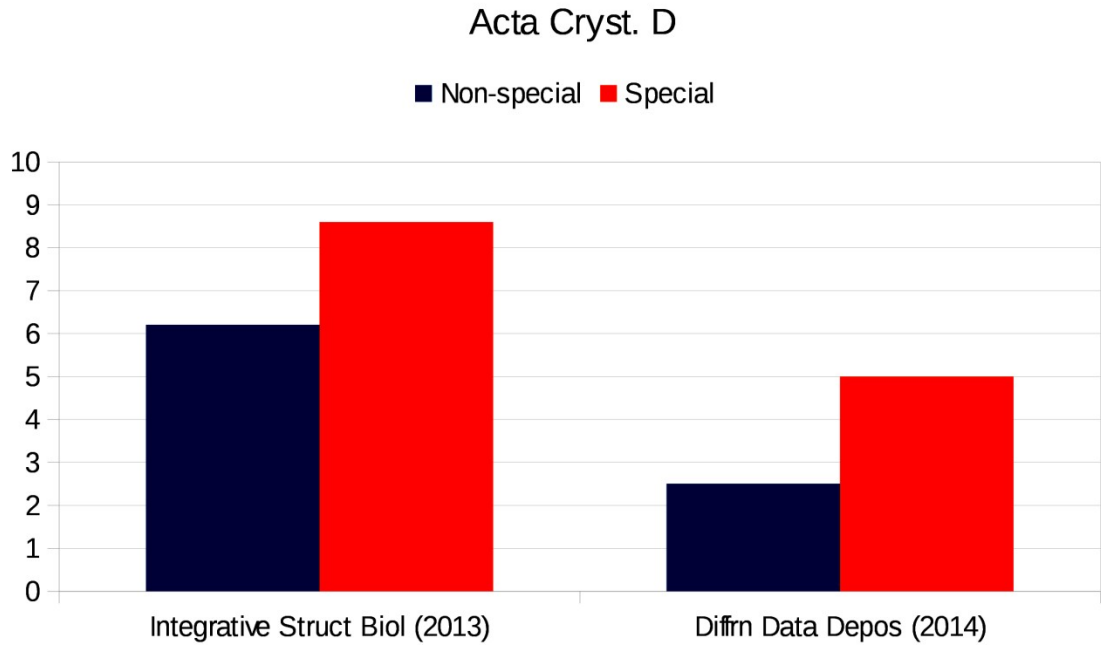
Special issues







IUCr Publications


Acta Cryst. D
Non-special
Special
10
9
8
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6
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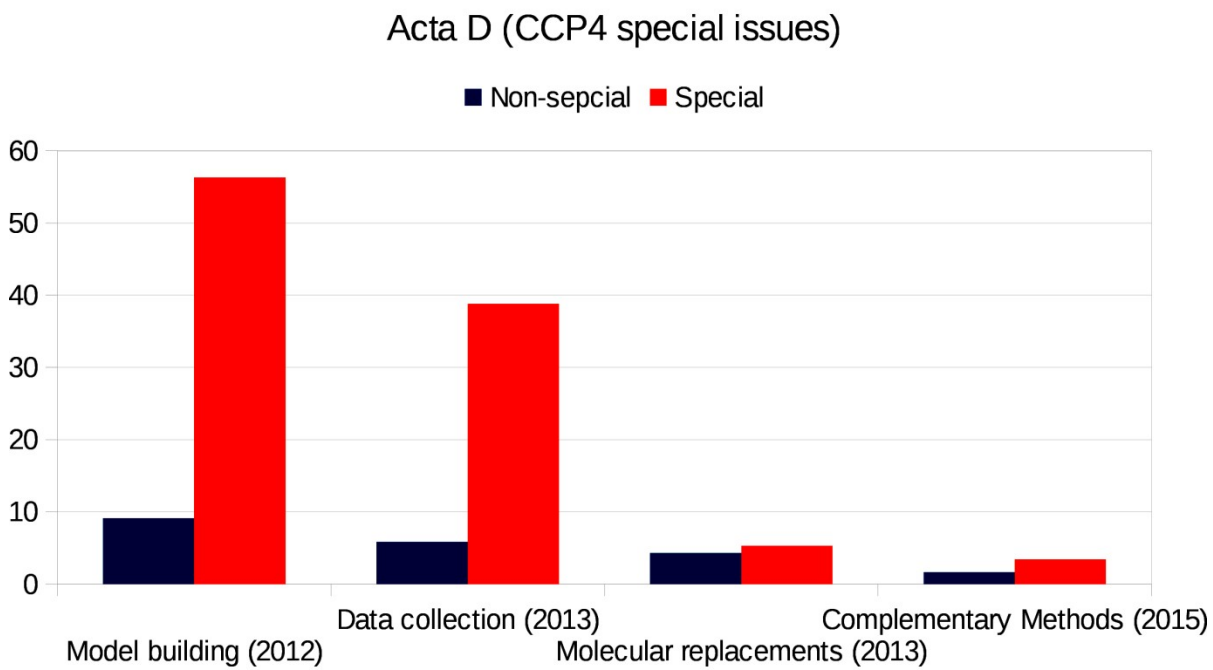
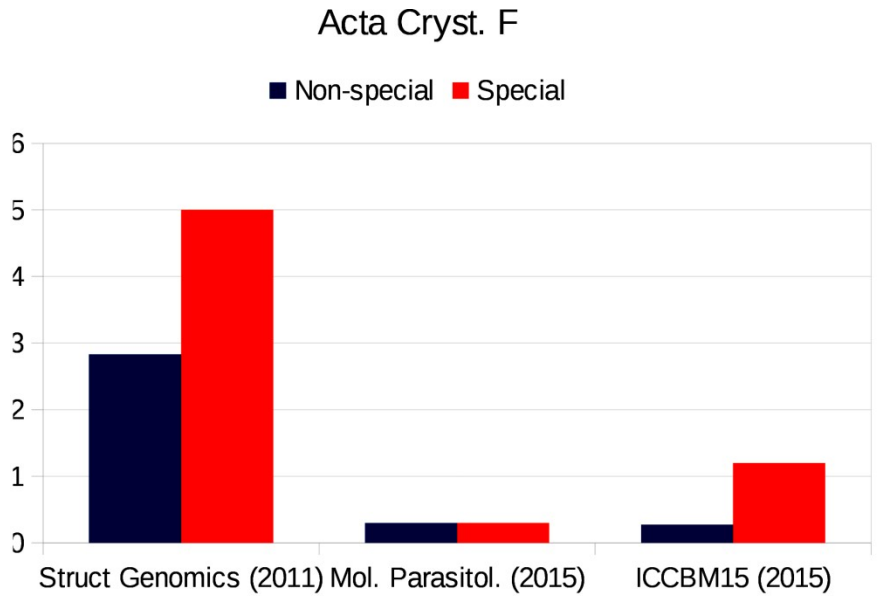
3
2
1
0
Integrative Struct Biol (2013)
Diffrn Data Depos (2014)


Acta D (CCP4 special issues)
Non-sepcial
Special
60
50
40
30
20
10
0
Model building (2012)
Data collection (2013)
Molecular replacements (2013)
Complementary Methods (2015)


Acta Cryst. F
Non-special
Special
6
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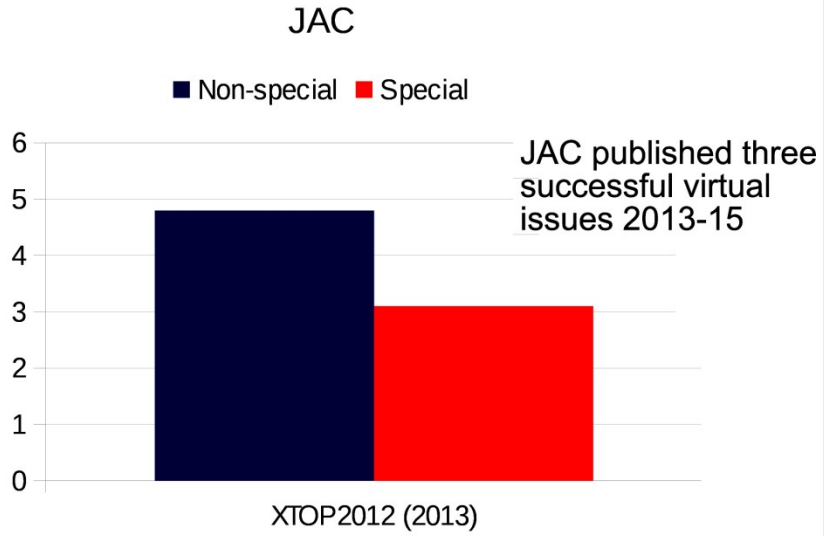
0
Struct Genomics (2011)
Mol. Parasitol. (2015)
ICCBM15 (2015)


JAC
Non-special
Special
6
5
4
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2
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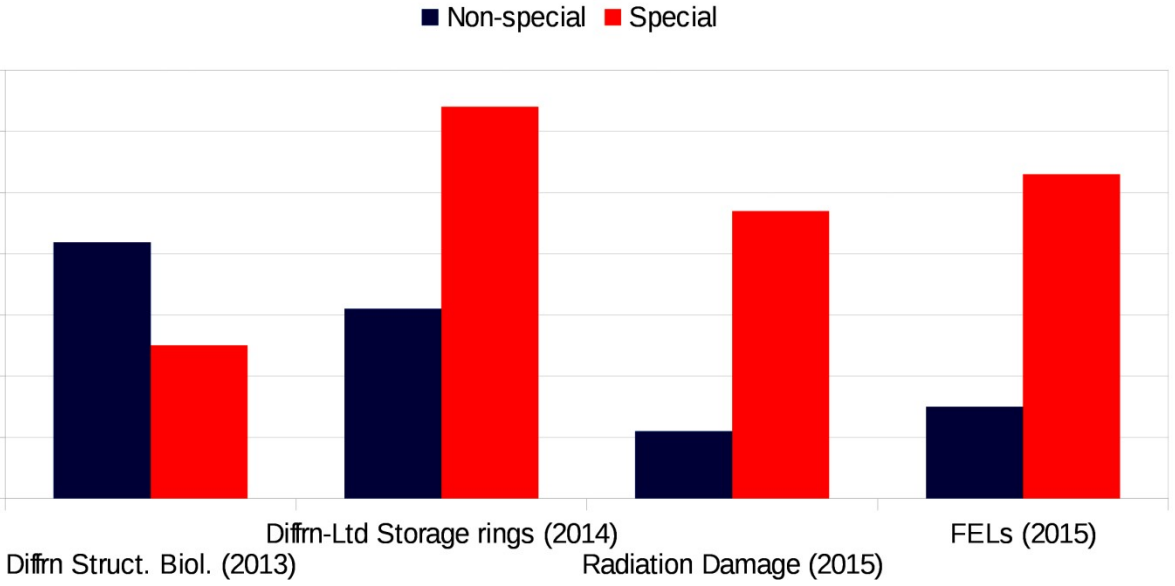
0
XTOP2012 (2013)
JAC published three successful virtual issues 2013-15


JSR
Non-special
Special
7
6
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4
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2
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0
Diffrn Struct. Biol. (2013)
Diffrn-Ltd Storage rings (2014)
Radiation Damage (2015)
FELs (2015)

special issue planning

This page shows the current situation with the planning of special issues and will be updated on a regular basis. A template for scheduling and planning special issues can be downloaded here.

Issue	Organiser/Guest editor	Journal	Proposed date
Molecular parasitology - advances in biology and supporting drug discovery	Bill Hunter	Acta F	May 2015
Selected papers from XTOP 2014	Andras Borbely and Vincent Favre-Nicolin	JAC	June 2015
CCP4 - Advances in Experimental Phasing	Dr Thomas Schneider (EMBL Hamburg, Germany) and Dr Airlie McCoy (University of Cambridge, UK)	Acta D	Summer 2015
Structural Chemistry of Homogeneous and Heterogeneous Catalysts	Paul Raithby	Acta C	September 2015
Selected papers from ICCBM15	Howard Einspahr	Acta F	Summer 2015
PhotonDiag2015	Elke Ploenjes-Palm, Marco Zangrando and Daniele Cocco	JSR	Winter 2015
Energy Materials	Simon Parsons, Richard Walton and Karena Chapman	Acta B	December 2015
NMR Crystallography	Roderick Wasylishen and Francis Taulelle	Acta C	January 2016
Crystal Structure Prediction	Graeme Day and Carl Henrik Gorbitz	Acta B	April 2016
IYCr Crystallization Series	Howard Einspahr	Acta F	2014-2016
Selected papers from SAS 2015	Andrew Allen and Michael Gradzielski	JAC	Spring/summer 2016
Beyond Bragg		Acta A	Under consideration
Big data		Acta A	Under consideration
100 Years of the Debye Scattering Equation		Acta A	Under consideration
Ferroelectric and multiferroic materials	Pierre Bordet	Acta B	Under consideration
Halogen Bonding	Pierangelo Metrangolo	Acta B	Under consideration
Mineralogy and related phases	Janusz Lipkowski, Sergey Krivovichev and Stuart Mills	Acta B	Under consideration
Neutron Science and Technology	Trevor Forsyth and Paul Langan	JAC	Under consideration
FEL Software		JAC	Under consideration
Selected papers from ISDSB2016		JSR, Acta D/F	Under consideration

Journal planning

Special issue planning
Published special issues
Commissioned and review articles planning
Meetings planning
Forthcoming meetings
Promotional materials

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Summary

- Special issues help demonstrate new scope of a journal and attract new readers/authors
- Special issues papers are generally more highly cited
- Selected articles from medium to large conferences can sometimes be poorly cited
- Careful selection of special issues is needed
- Virtual issues are generally better cited

IUCr Publications

Special issues: some questions for discussion

- What have been Main Editors' experiences with commissioning special issues?
- What would they do differently for future issues?
- Keeping in mind our limited resources, how many special issues a year (across all journals) should we aim for?
- Is the current format of a special issue the correct one, or should we approach this on e.g. a one article per issue basis, as we have done for the crystallization series in Acta F?

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Future special issues and virtual collections

- Are there organisations who we could work with to produce regular special issues (similar to CCP4)?
- How could we work with IUCr Commissions on special issues?
- Do we want to bring together virtual collections of papers and what would be good topic areas to start with?
- How do we sustain a programme of special issues in a journal?
- Would virtual collections be useful for journals such as *Acta E*? If so, what topics should they cover?

IUCr Publications

Special issues - links

- Planned and published special issues

http://journals.iucr.org/services/specialissues_planning.html

- Future special issues and virtual collections
- Appointing Guest Editors

http://journals.iucr.org/services/coeditors/handbook/appointments.html

- Procedures

http://journals.iucr.org/services/coeditors/specialissueinfo/specialissues.xlsx

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

8. Commissioning articles

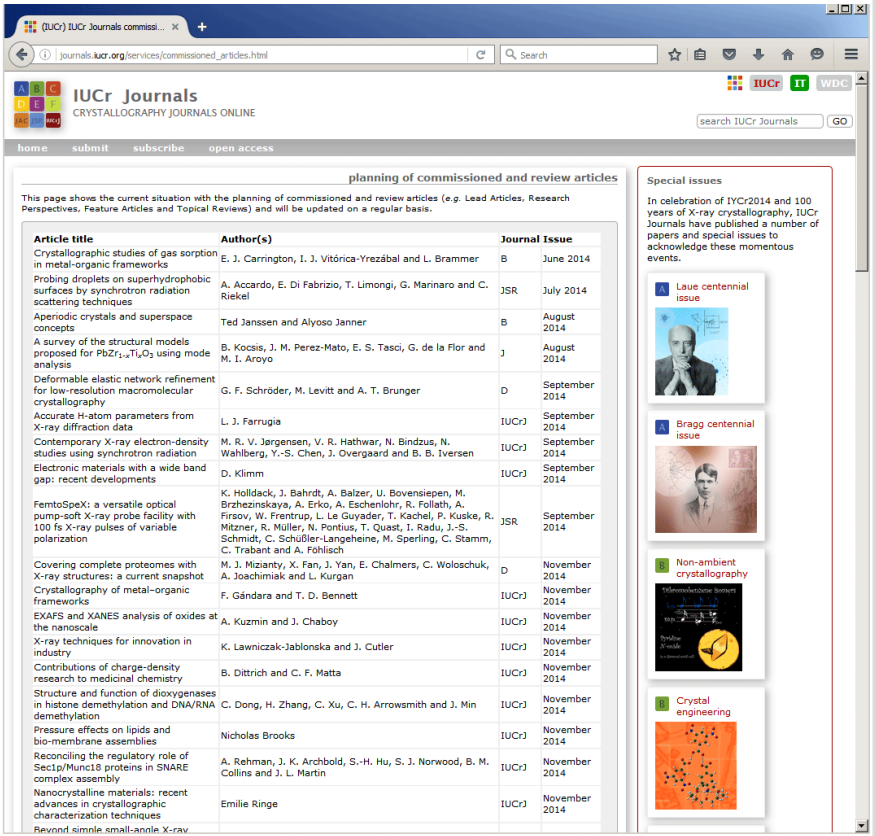
- Includes Feature/Lead articles, Topical reviews, Research perspectives
- Tend to be well cited and popular – 2014/15 invited articles for Acta B highly cited. Used in promotional materials
- IUCr Congress and regional associate meetings
- All journals invited speakers from last Congress – varied success
- Publish in time for meeting or publish after?

IUCr Publications

Commissioning articles

Web page with list of all invited articles across all journals

Check before commissioning new article



http://journals.iucr.org/services/commissioned_articles.html

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Commissioning articles

New ideas - Acta B: Research Perspectives

- Written by leader in selected area reviewing development of that field with emphasis on author's own contribution

- 2014 paper by Janssen and Janner (Ewald prize winners for 2014) on Aperiodic Crystals
- Next article by Mike Zaworotko on Crystal Engineering
- Opinions articles also being commissioned

IUCr Publications

Commissioning articles - trends

Article category	A	B	C	D	F	IUCrJ	JAC	JSR
Lead articles		↑↑						-
Feature articles	-	↑↑	↑↑	-		-	↑	↑
Topical reviews						-		
Essays	↓	↑		-		↑		
Editorials	-	↓	-	↓	-	↓	↓	↓
Scientific commentaries	↓↓	-		↓		↓	↓	
Article commented on	-	↑		-		-	-	

- neutral; ↑ positive; ↓ negative effect

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Commissioning articles

Questions for discussion:

- How can we commission more Lead and Feature Articles, and Topical Reviews?

- What should our annual targets be for the number of articles to be commissioned for each journal?

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

9. Article highlighting and publicity

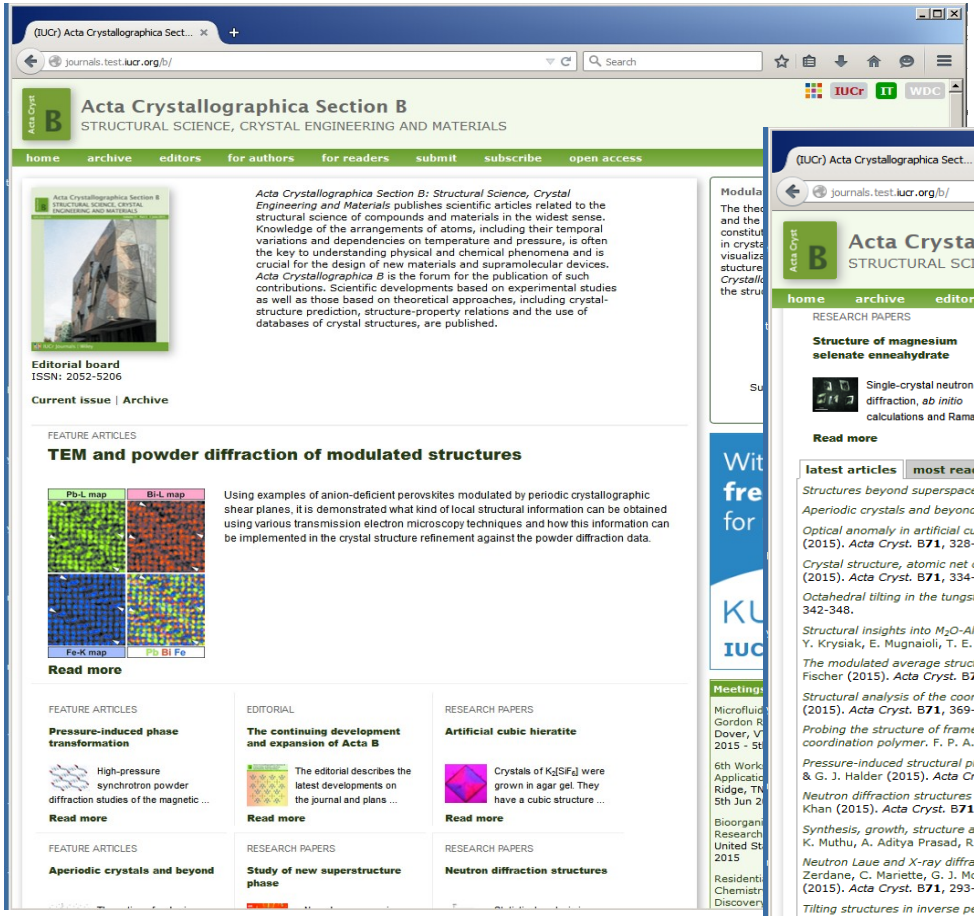
IUCr Publications

Making research more discoverable

- Even though millions of articles are published every year, only a few are cited and actually discovered or used by readers
- To ensure that authors work has maximum impact, researchers must ensure that their papers are easily discoverable
- There is now a growing array of tools and services to help authors maximize the visibility and impact of their published article

IUCr Publications

Highlights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Acta Crystallographica Section B
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Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials publishes scientific articles related to the structural science of compounds and materials in the widest sense. Knowledge of the arrangements of atoms, including their temporal variations and dependencies on temperature and pressure, is often the key to understanding physical and chemical phenomena and is crucial for the design of new materials and supramolecular devices. Acta Crystallographica B is the forum for the publication of such contributions. Scientific developments based on experimental studies as well as those based on theoretical approaches, including crystal-structure prediction, structure-property relations and the use of databases of crystal structures, are published.
Editorial board
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Current issue | Archive
FEATURE ARTICLES
TEM and powder diffraction of modulated structures
Pb-L map
Bi-L map
Fe-K map
Pb Bi Fe
Using examples of anion-deficient perovskites modulated by periodic crystallographic shear planes, it is demonstrated what kind of local structural information can be obtained using various transmission electron microscopy techniques and how this information can be implemented in the crystal structure refinement against the powder diffraction data.
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High-pressure synchrotron powder diffraction studies of the magnetic ...
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Structures beyond superspace. M. Senechal (2015). Acta Cryst. B71, 250-251.
Aperiodic crystals and beyond. U. Grimm (2015). Acta Cryst. B71, 258-274.
Optical anomaly in artificial cubic hieratite, K2[SiF6]. O. F. Göbel, J. E. ten Elshof, W. Kaminsky & M. Hannss (2015). Acta Cryst. B71, 328-333.
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Octahedral tilting in the tungsten bronzes. T. A. Whittle, S. Schmid & C. J. Howard (2015). Acta Cryst. B71, 342-348.
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The modulated average structure of mullite. J. Birkenstock, V. Petříček, B. Pedersen, H. Schneider & R. X. Fischer (2015). Acta Cryst. B71, 358-368.
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Probing the structure of framework materials by high pressure and the example of a magnetic, non-porous coordination polymer. F. P. A. Fabbiani (2015). Acta Cryst. B71, 247-249.
Pressure-induced structural phase transformation in cobalt(II) dicyanamide. A. A. Yakovenko, K. W. Chapman & G. J. Halder (2015). Acta Cryst. B71, 252-257.
Neutron diffraction structures of water in crystalline hydrates of metal salts. G. S. Chandler, M. Wajrak & R. N. Khan (2015). Acta Cryst. B71, 275-284.
Synthesis, growth, structure and characterization of molybdenum zinc thiourea complex crystals. M. Rajasekar, K. Muthu, A. Aditya Prasad, R. Agilandeshwari & SP Meenakshisundaram (2015). Acta Cryst. B71, 285-292.
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Tilting structures in inverse perovskites, M2TtO (M = Ca, Sr, Ba, Eu; Tt = Si, Ge, Sn, Pb). J. Nuss, C. Mühle, K. Hayama, V. Abdolazimi & H. Takagi (2015). Acta Cryst. B71, 300-312.
Structure of magnesium selenate enneahydrate, MgSeO4·9H2O, from 5 to 250 K using neutron time-of-flight Laue diffraction. A. D. Fortes, D. Alfè, E. R. Hernández & M. J. Gutmann (2015). Acta Cryst. B71, 313-327.
Taking a closer look for a broader view: combining powder diffraction with electron crystallography for a better understanding of modulated structures. L. Palatinus (2015). Acta Cryst. B71, 125-126.
Powder Diffraction, New Orleans, LA, United States 8th Jun 2015 - 12th Jun 2015
Summer School on Methods and Applications of Neutron Spectroscopy, NIST, 8th Jun 2015 - 12th Jun 2015
High Throughput Chemistry & Chemical Biology. Gordon Research Seminar, New London, NH, United States 13th Jun 2015 - 14th Jun 2015
Polymers. Progress Towards Tomorrow's Materials. GRS, South Hadley, MA, United States 13th Jun 2015 - 14th Jun 2015
The 17th Annual National School on Neutron and X-ray Scattering, ORNL, TN, United States 13th Jun 2015 - 27th Jun 2015
Atomic Physics. GRC. From Ultracold to Strongly Interacting Quantum Systems, Newport, RI, United States 14th Jun 2015 - 19th Jun 2015
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Commentaries

- Journal articles of approximately 800-1500 words
- Provide coffee table style articles introducing the wider implications of a published research paper
- They promote the journal aims and scope, topicality and authors of the work to multidisciplinary communities
- Performance of this class of paper can be seen in appendix H7

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

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Commentaries

Questions for discussion:

- Is poor citation performance typical for this class of article?
- Are we publishing too few, too many, or have we got it about right?
- We can do more to highlight commentaries and the underlying paper in the journal TOC, and the paper itself – see how we manage corrigenda

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Press releases and research news stories

- Based on peer reviewed journal articles, approx. 250-400 words
- Provide short, newsworthy coverage of highlight papers published in our journals
- Act as a powerful promotional tool in the community showcasing the best research and high impact authors
- Encourages press releases by authors' institutions
- Effect on downloads and citations?

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What makes research news?

"*News is something which will **interest** a large part of the community and which has **never** been brought to their attention.*"

Charles Dane, Editor of New York Sun, 1920

- Important to differentiate between research news appropriate for mainstream press or specialist press
- What is this paper's **news value**? How valuable is this paper to a journalist?

IUCr Publications

Key factors influencing news value

Relevance to community	Controversy
Meaningfulness	Source
Discovery	Negativity
Impact	News fashion
Time scale	Human interest
Development	Popular topic

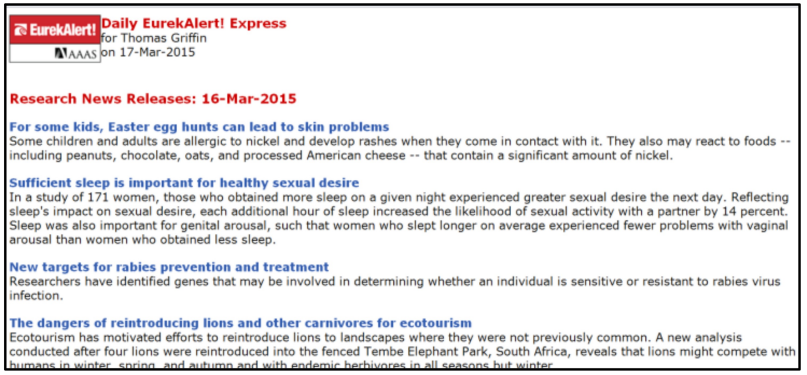
IUCr Publications

News dissemination channels

IUCr subscribes to EurekAlert! A premium online global news services for STM media. EurekAlert! allows IUCr's research to reach an even wider audience

EurekAlert! and EurekAlert! Express

- 1 million unique online visitors each month
- 8,600 registered science reporters and editors
- News alerts distributed to 85 countries.



EurekAlert! Daily EurekAlert! Express
for Thomas Griffin
AAAS on 17-Mar-2015

Research News Releases: 16-Mar-2015

For some kids, Easter egg hunts can lead to skin problems
Some children and adults are allergic to nickel and develop rashes when they come in contact with it. They also may react to foods -- including peanuts, chocolate, oats, and processed American cheese -- that contain a significant amount of nickel.

Sufficient sleep is important for healthy sexual desire
In a study of 171 women, those who obtained more sleep on a given night experienced greater sexual desire the next day. Reflecting sleep's impact on sexual desire, each additional hour of sleep increased the likelihood of sexual activity with a partner by 14 percent. Sleep was also important for genital arousal, such that women who slept longer on average experienced fewer problems with vaginal arousal than women who obtained less sleep.

New targets for rabies prevention and treatment
Researchers have identified genes that may be involved in determining whether an individual is sensitive or resistant to rabies virus infection.

The dangers of reintroducing lions and other carnivores for ecotourism
Ecotourism has motivated efforts to reintroduce lions to landscapes where they were not previously common. A new analysis conducted after four lions were reintroduced into the fenced Tembe Elephant Park, South Africa, reveals that lions might compete with humans in winter, spring, and autumn and with endemic herbivores in all seasons but winter.

EurekAlert! Express is a daily newsletter sent to the EurekAlert! database of journalists summarizing the news of the day. All Wiley publications appearing on EurekAlert! are included in this newsletter.

IUCr Publications

Handling highlights and publicity

Questions for discussion:

- Who should identify articles for commentaries and research news coverage?
- Referees give scores for article impact - could this information be used in decision making for highlighting?
- Should we have a facility for Co-editors to recommend papers for highlighting on acceptance?
- How do we decide which type of highlighting an article gets?
- Who do we invite to write commentaries?
- Timescale – at what point in the publication process do we make highlighting decisions?

IUCr Publications

Policy on highlights and publicity

Questions for discussion:

- Should there be different methods for different journals?
- Do we need different strategies for articles that have been commissioned?
- Are different strategies needed for special issues?
- How do we make best use of press releases, commentaries etc.?
- Do we contact authors, authors' institutions, central facilities, funding bodies etc., for comment
- Have there been any problems/issues with the Commentaries that have been produced?

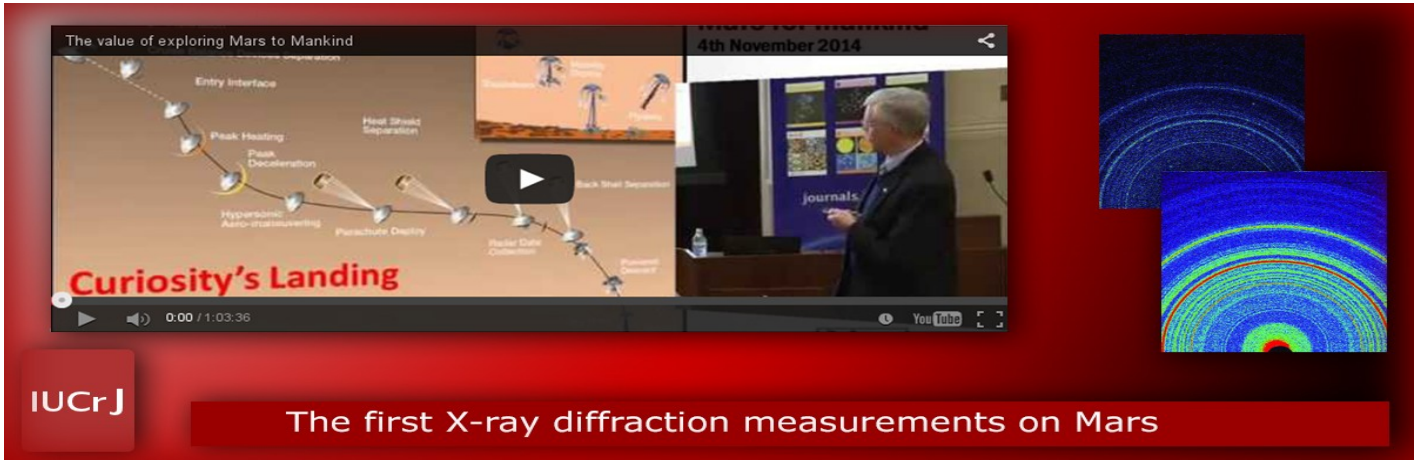
IUCr Publications

Improving the journals and increasing their appeal to a wider audience

- Research Square and Wiley partner for trial of video summaries
- Option for authors to purchase video summaries to help share their research to a broad audience in an engaging multimedia format
- Each video summary combines a 3-4 minute animated video with voiceover that summarises the key findings and implications of a research article in language that is accessible to both researchers and the public

IUCr Publications

Other highlighting methods



- Podcasts
- Journal covers
- Editor and author interviews
- Kudos

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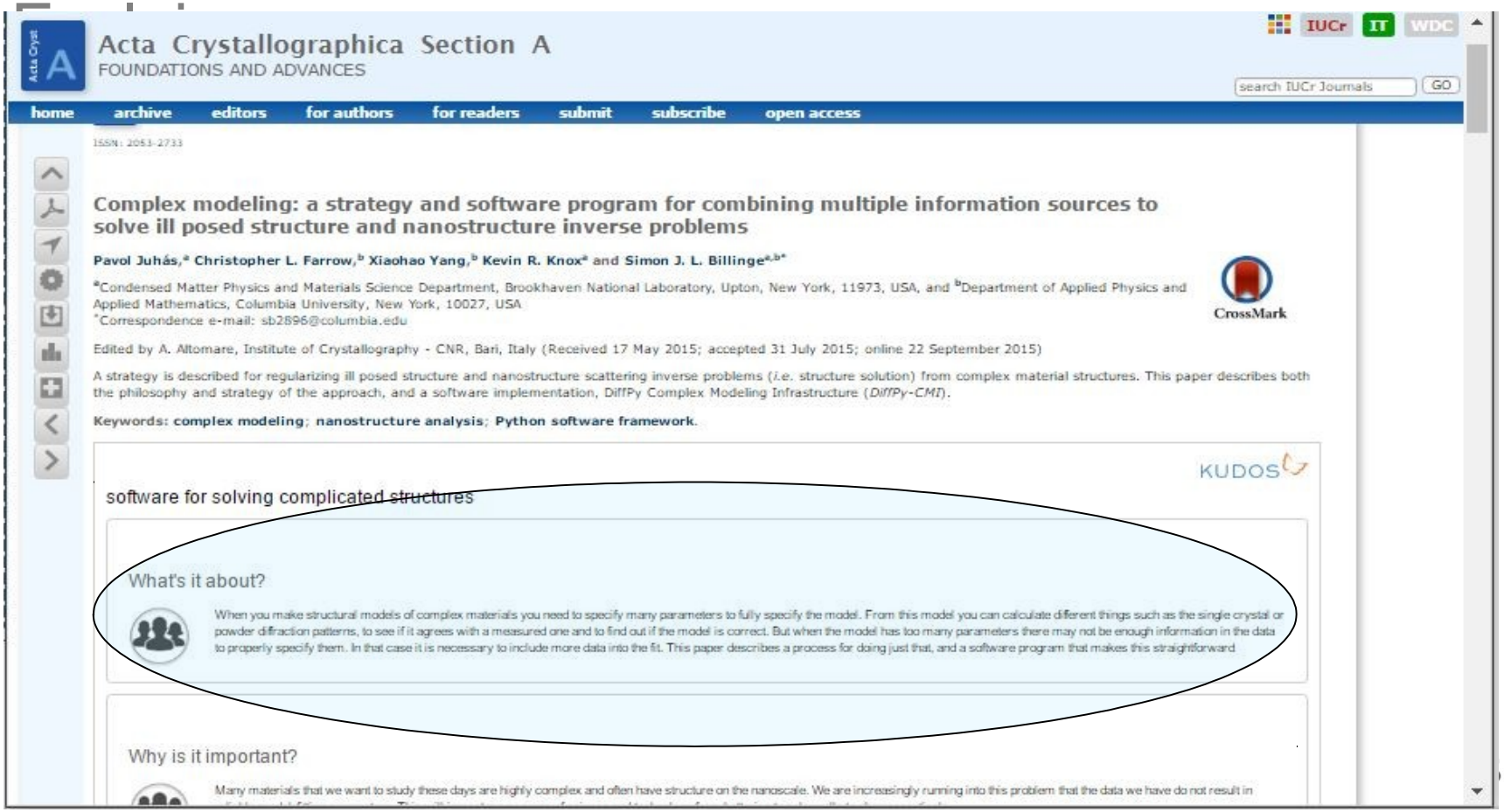
Kudos

Kudos is an outreach tool for researchers to help ensure their work is found, read, and cited.



Kudos

Share

Rank	Number of Share Referrals	Type of share	Publication title	DOI
1	127	Shared via Facebook	Data analysis method to achiev...	10.1107%252Fs1600577514010...
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3	89	Shared via Facebook	Operational properties of fluctu...	10.1107%252Fs2052252515002...
4	26	Shared via Twitter read tweet	Crystal structure of 4-(methoxyc...	10.1107%252Fs2056989015015...
5	24	Shared via Twitter read tweet	Boron carbide composite apert...	10.1107%252Fs1600576716000...
6	18	Shared via Facebook	Fingerprinting redox and ligand...	10.1107%252Fs1399004714004...
7	18	Shared via Twitter read tweet	Complex modeling: a strategy a...	10.1107%252Fs2053273315014...

Number of shares

IUCr Publications

Kudos

Measure:

Citation statistics

CRYSTALLOGRAPHY JOURNALS ONLINE Times Cited: 1

CrossRef Times Cited: 5

Web of Science® Times Cited: 2

Altmetric 50

Download statistics

Time	HTML	PDF	Total
Last seven days	7	3	10
Last thirty days	14	6	20
Since going online	422	280	702

IUCr Publications

Kudos

Questions for discussion:

- How can we increase engagement with Kudos tools?
- How can we encourage authors to write short lay summaries of their work?
- How can we encourage authors to adopt social media tools and continue to use them?

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IUCrJ

Acta Cryst A

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Acta Cryst D

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10. Science portals

Chemistry - IUCrChem
Biology - IUCrBio
Materials - IUCrMaterials
Sources – IUCrSources

Leaflets
Demo web pages

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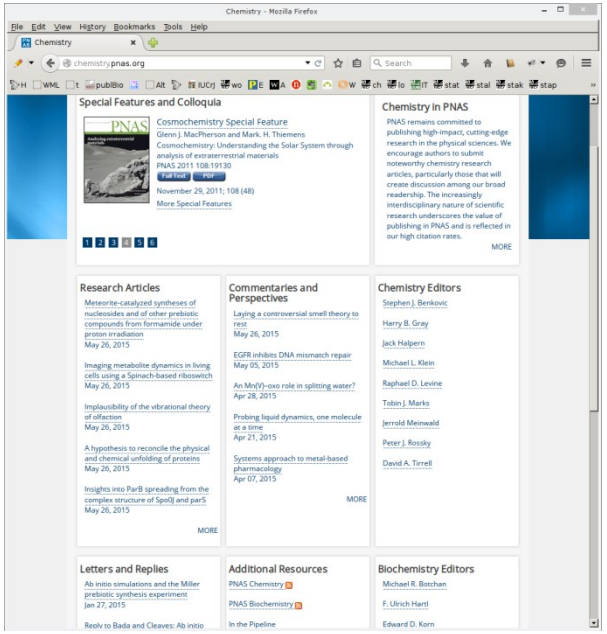
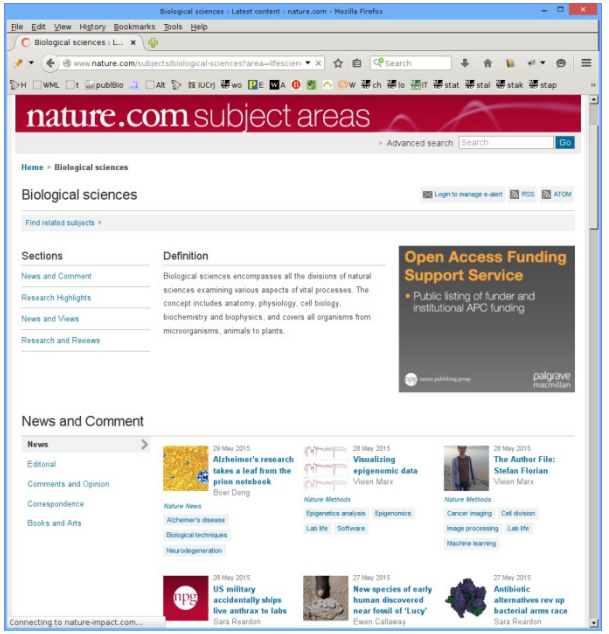
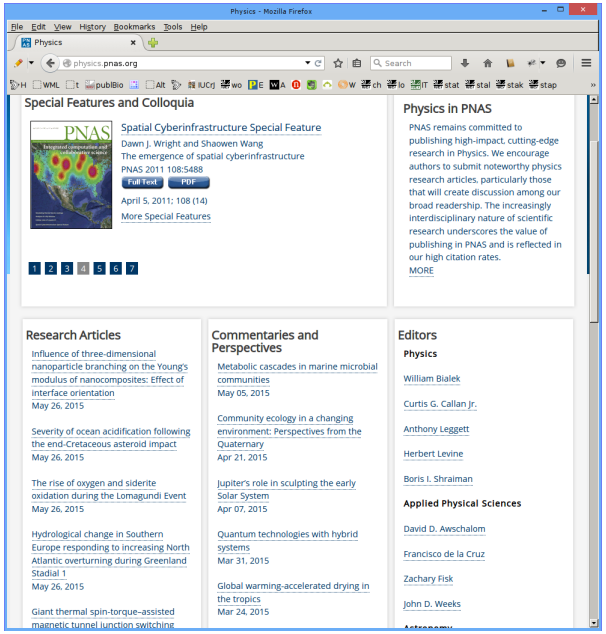
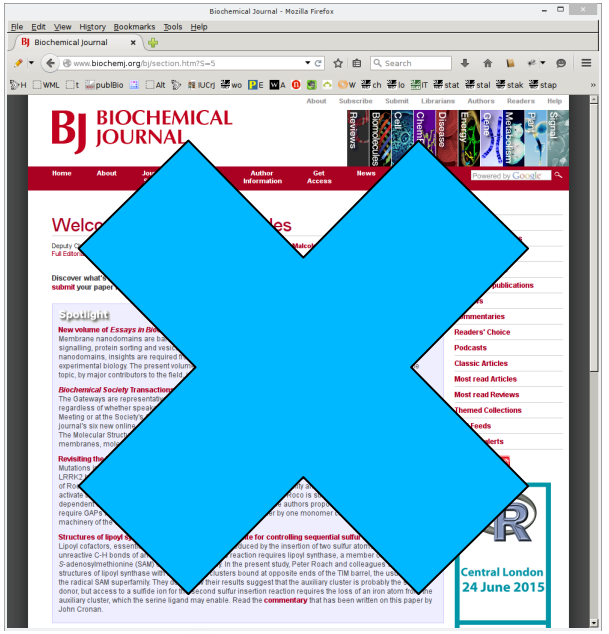
Science portals









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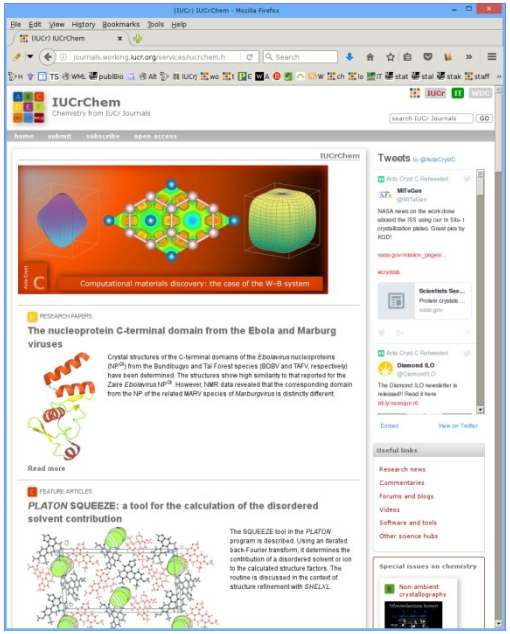
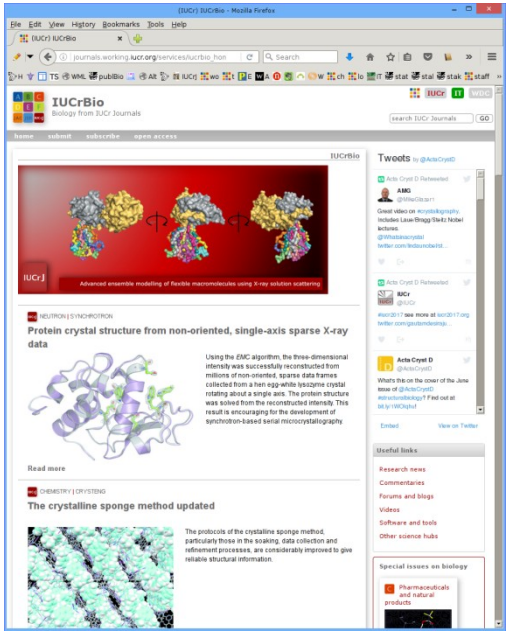
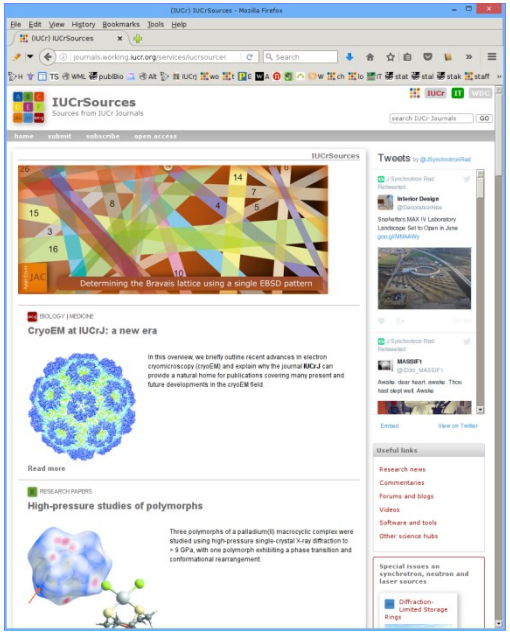
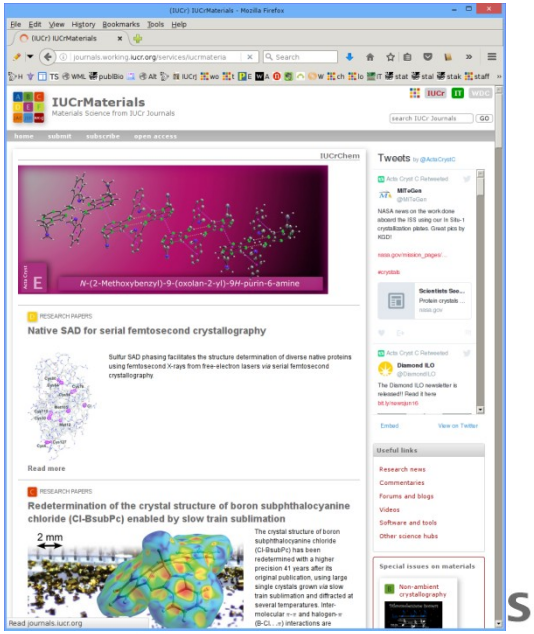
Demo science portals









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Science portals

How much time should we invest in portals?

What types of content would attract you to a science portal?

Which of the following types of content would you expect to see?

- **Submission links**
- Articles/links to articles from multiple IUCr journals
- Links to articles published in non-IUCr journals (articles from open-access journals)?
- Relevant research news and newsletter items
- Commentaries
- Jobs/meetings/announcements/blogs/webinars
- Highlight articles
- Podcasts/videos
- Adverts

What other special features should be included?

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Science portals

Who operates/organises the portal?

What is the relationship of the portals to the journals site and to the IUCr web site?

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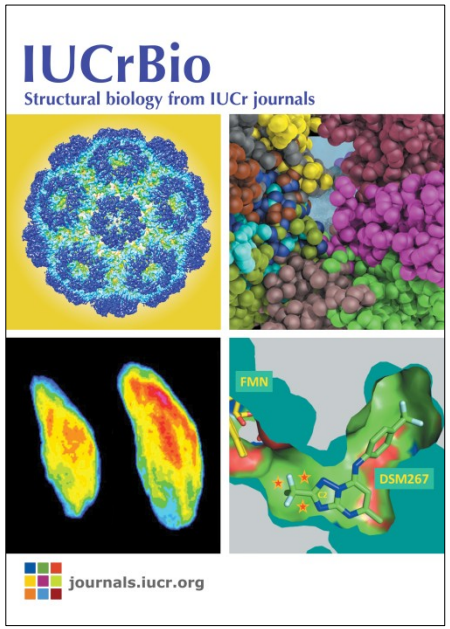
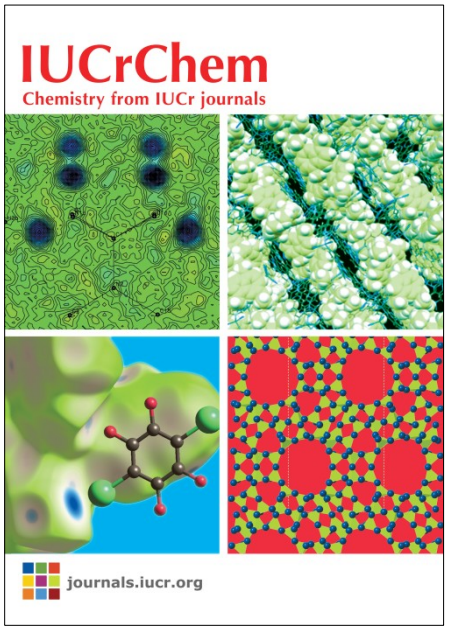
Using science portals in marketing

Marketing at meetings

Specialised email alerts





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Facility pages as specialised portals

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11. Business development

@jonathan19280

https://uk.linkedin.com/pub/jonathan-agbenyega/7/495/b51

IUCr Publications

Business development matters

Financial situation

- IUCr Journals make a small profit, but the IUCr lost USD 500000 in 2015
- Subscription revenues are static and cannot be guaranteed in future
- Open-access revenues fell after Acta E lost coverage in the Science Citation Index in 2012
- Open-access revenues have recovered in the last 3 years
- New journal and non-journal revenue streams needed
- Costs need to be closely controlled

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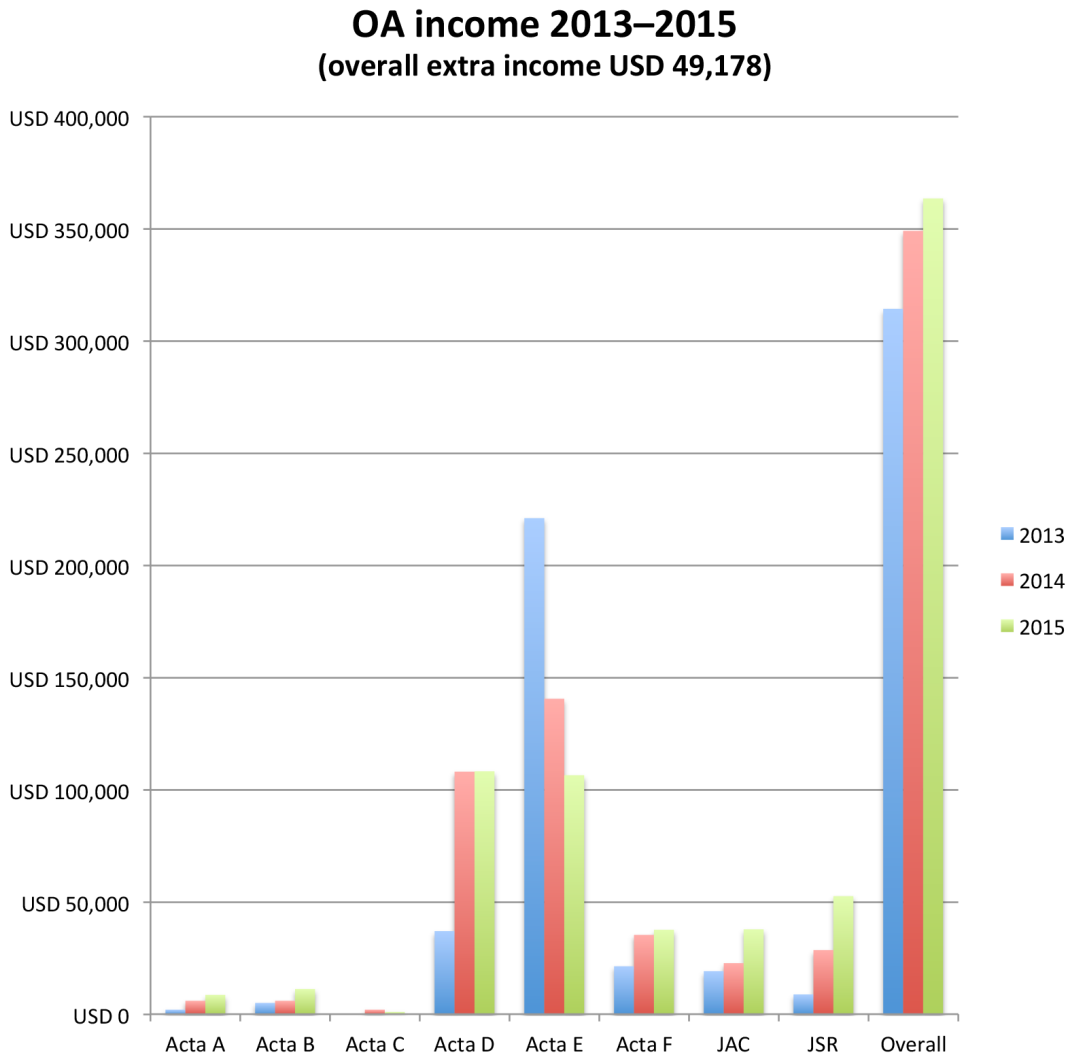
Business development matters

Open access

Price increase after survey of other publishers

How can we boost open-access uptake by authors?



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Business development matters

Article processing charges

- Flat subscription revenues
- Growth of green open access through funder requirements
- IUCr Finance Committee asked for trial of article processing charges
  - Article processing charge USD 200
  - Waivers available
  - Reduced fees for IUCr Associates
  - Article processing charges included in OA fees

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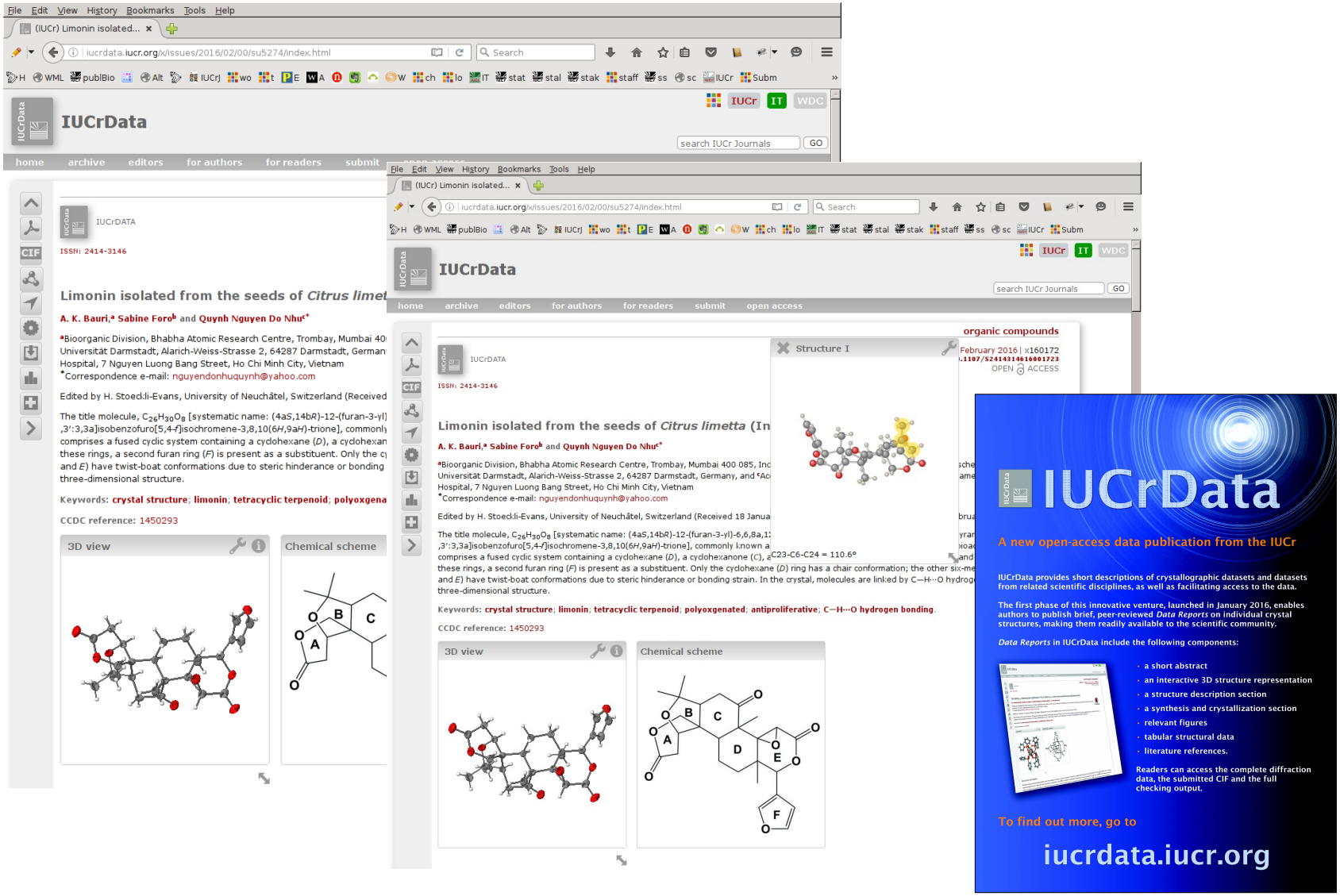

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INTERNATIONAL UNION OF Crystallography NEWSLETTER

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Volume 23, Number 4

In this issue

Past issues can be viewed here

Additional links

- Topological features in crystal structures
- Platinum celebration for IUCrJ
- Absolute structure determination using *CRYSTALS*
- IUCr2017 Hyderabad Congress Facebook page now open

IUCr JOURNALS http://journals.iucr.org

IUCrJ

Cryo-electron microscopy and IUCrJ

IUCrJ (www.iucrj.org), the only journal to carry the name of the International Union of Crystallography, was launched in January 2014 with a simple mission: to attract high-quality science papers of broad scientific significance from across the full breadth of the scientific communities that use structural information.

We are pleased to announce the journal will start accepting articles in cryo-electron microscopy (cryoEM) within the Biology and Medicine section. CryoEM is proving to be a powerful tool for structural biologists for studying large molecular machines and membrane protein complexes at high resolutions.

Three of the world leaders in cryoEM - Richard Henderson (MRC, Cambridge), Werner Kühlbrandt (MPIBP, Frankfurt) and Sriram Subramaniam (NIH, Bethesda) - are joining the editorial board of **IUCrJ** to serve the cryoEM community and provide leadership for the enthusiastic acceptance of the journal by this expanding field.

Richard Henderson | Werner Kühlbrandt | Sriram Subramaniam

On the occasion of the launch of cryoEM in **IUCrJ**, Richard Henderson said "*There has been a quantum leap in the power of single particle cryoEM due to recent improvements in microscopes, detectors and computer programs. It is entirely appropriate that the IUCr should become the home for cryoEM in the same way as it has nurtured X-ray and other crystallographies since its foundation in 1948.*"

OPEN ACCESS

Have you published open access?

BY JONATHAN AGBENYEGA, IUCR BUSINESS DEVELOPMENT MANAGER (ja@iucr.org)

Since the launch of **Crystallography Journals Online** in 1999, the IUCr has had a policy of providing free access to the full texts of certain types of articles (for example, CIF Applications, Prefaces, Editorials, Letters to the Editor, Book and Software Reviews, Crystallographers, Notes and News, Addenda and Errata, and New Commercial Products); this policy will continue. In addition, a number of services including tables of contents, e-mail alerting, and the provision of supplementary material (*e.g.* CIFs, structure factors and other structural data) are free of charge to both subscribers and nonsubscribers.

It is also worth mentioning in this article that the IUCr has an active policy (http://journals.iucr.org/services/archivingpolicy.html) concerning the long-term preservation and access to publications in its journals. The charge made to authors for open-access (OA) publication includes a contribution to the cost of the long-term preservation and access of the publication.

OA is a rapidly evolving landscape and there exist a number of benefits to publishing your work OA including possibly higher visibility of publications, the possibility of higher citation rates and improved access to literature for scientists in the developing world.

The IUCr publishes two journals that are fully (gold) OA, *i.e.* all articles are made available free of charge to the reader. An OA fee is charged to authors of articles published in these journals to cover the costs of peer review, journal production, and online hosting and archiving. These journals are **IUCrJ** and *Acta Crystallographica Section E: Crystallographic Communications*. All the remaining journals – *Acta Crystallographica Sections A, B, C, D* and *F*, *Journal of Applied Crystallography* and *Journal of Synchrotron Radiation* – are hybrid OA journals, which means they are traditional subscription journals in which some of the articles are OA.

Authors publishing an OA article in one of our gold OA or hybrid OA journals will be asked to pay an OA fee – also called an article processing charge or APC – upon acceptance of their article for publication. Note that authors will be asked to confirm that they can pay the OA fee, or that they have a payment waiver, at the submission stage. Discounts and waivers are available in particular circumstances; you can find out more by visiting http://journals.iucr.org/services/oa/openaccess_full.html. Payment is simple; authors may pay by credit card, cheque or voucher. Please note that purchase order and invoicing arrangements are also available on request. For more details of how to pay, go to the web pages of the individual journals.

Authors of OA articles will not be asked to transfer copyright to the IUCr, but will instead be asked to agree during article submission to an OA licence. This licence is a Creative Commons Attribution (CC-BY) Licence, which provides for the re-use of the article in whole or part provided there is attribution for the article.

By following this link http://scripts.iucr.org/cgi-bin/citedin?search_on=openaccess you can see a complete list of OA articles in **Crystallography Journals Online**.

2 IUCr Newsletter ♦ Volume 23, Number 3 ♦ 2015

IUCr Publications

Newsletter

The objective of the project is to refresh all areas of the Newsletter

Increase newsworthy journal content in the newsletter

Drive commercial sales opportunities

Migrate editorial control of the Newsletter to Chester

Improve visibility to generate new business leads

Grow readers

Increase community engagement

Improve production efficiencies

IUCr Publications

Newsletter

Question for discussion:

How do we report on journal content in the Newsletter?

What would be our dream editorial newsletter team?

IUCr Publications

Webinars

Webinar	Topic	Date
Professor Naomi Chayen (Acta D author)	Protein crystallography	September 2016
Rigaku	NANOPIX - X-ray scattering instrument designed for nano-structure analyses	September 2016
Molecular Dimensions Fabrice Gorrec, Acta Cryst. F author)	MORPHEUS, MRC labs	October 2016
Paul Fewster, Panalytical, Acta Cryst. A author	A new theory for X-ray diffraction	November 2016

IUCr Publications

World Directory

Description of the activity
To extend the platform to manage the Associates programme and community at large. To improve engagement. To facilitate networking.

Strategic Objectives
- Manage Associates programme
- Improve engagement
- Offer services and content consistent with business
- Extend services for authors, editors, reviewers and readers

Target outcomes/benefits
- Better performing mailing lists including newsletter subscribers
- Increased revenue through Associates programme
- New users/Associates

Related activity
Journal publishing, Commissions, International Tables

Target market
- Academic and industrial researchers
- Consultants
- Instrument manufacturers, related industries
- Remote users

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

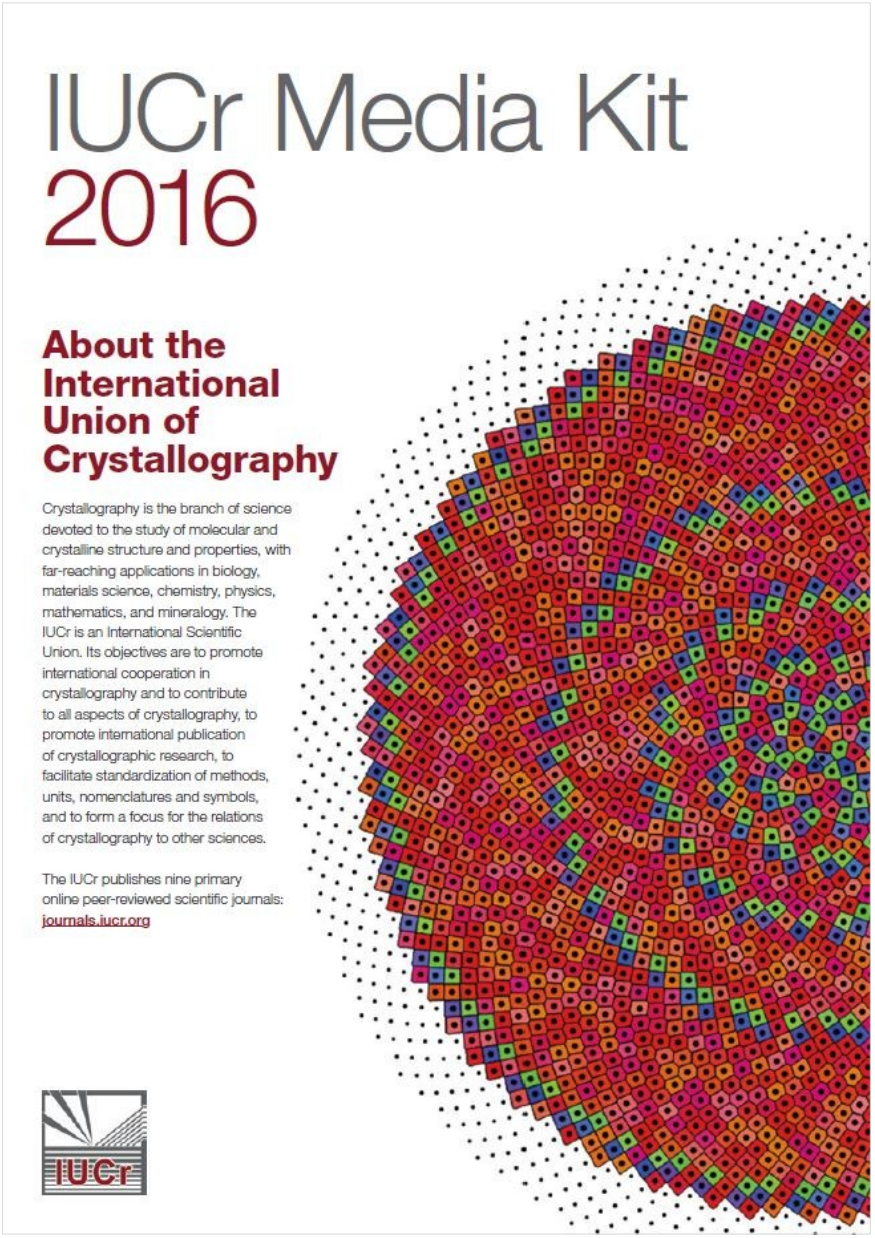
Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR



Media kit

- Create maximum market impact
- Increase brand exposure
- Generate leads
- Influence stakeholders
- Educate or collect information/user feedback
- Disseminate research

Question for discussion:

Can you think of any additional advertising opportunities for commercial organisations to partner with our journal content?

IUCr Publications

IUCr Associates Programme

The voluntary IUCr Associates Programme will deliver improved services/functionality to the crystallographic community and also create a new way of funding community initiatives. The programme will request a fee for a series of benefits and will give Associates a closer connection to the Union

IUCr Publications

Some of the benefits

- 20% discount on open access charge for an IUCr journal of one's choice.
- 20% discount on other article charges.
- Voucher to access five articles per year on journals.iucr.org
- 15% discount on IUCr publications, e.g. International Tables.
- 30% discount on other Wiley books.
- Access to the Linkedin area where the latest crystallography news, discussions and vacancies can be found.
- Opportunity to be listed on, and/or have access to, a database of crystallography experts.
- Career development opportunities, including information on crystallography-related jobs and study paths.
- Exclusive networking opportunities via webinars and regional meetings to meet and make new contacts with peers and share information, experience and help find solutions.
- Associates will be given the opportunity to make an additional donation to specific IUCr programmes. These would be e.g. OpenLabs, student bursaries, etc.
- Discounts on registration for selected meetings.

IUCr Publications

Fees

- The fee for Associates is GBP 100, for 3 years; reduced fees of GBP 30 for retired, developing country and student categories will also be available at this reduced rate. Corporate fees will be GBP 1500
- Associates will also have the opportunity to donate to their favourite charitable activity within the IUCr such as
- Calendar Committee – Young scientist awards
- Visiting Professorships
- Scientific conferences and workshops including OpenLabs
- Crystallography in Africa

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

12. Journals promotion

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Journal marketing

Our marketing communications strategy is simple:

It has been designed to raise awareness of our journals in our author communities and to work with editors and editorial board members to attract high quality content to the journals

To implement the marketing strategy we use a combination of print, physical and online channels

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

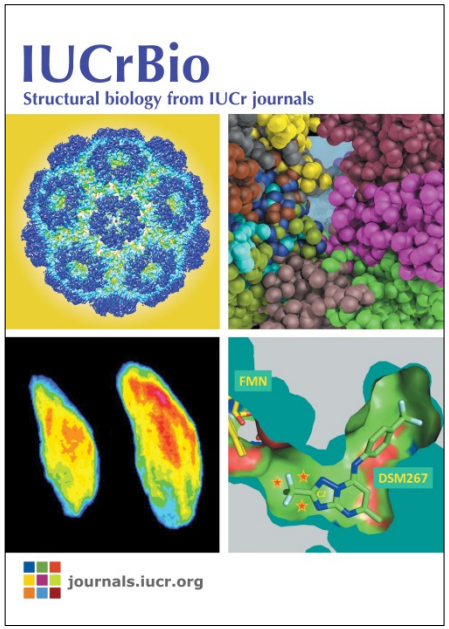
Acta Cryst E

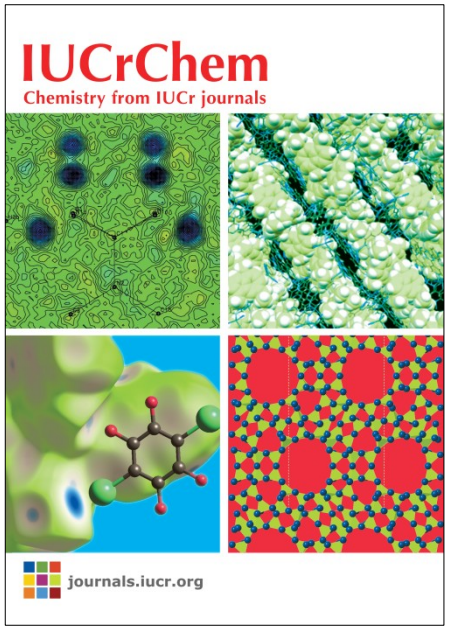
Acta Cryst F

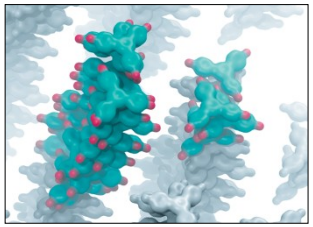
Appl Cryst JAC

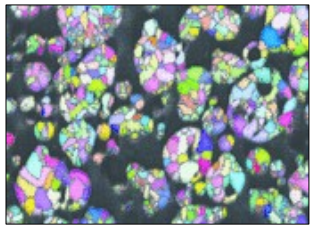
Synchrotron JSR

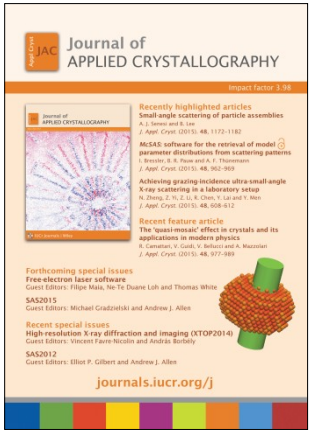
Printed journal promotion

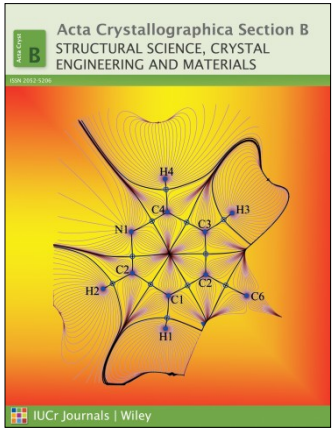


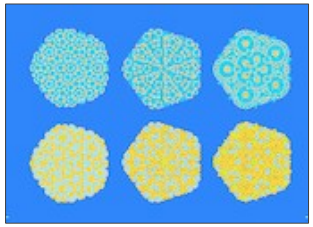


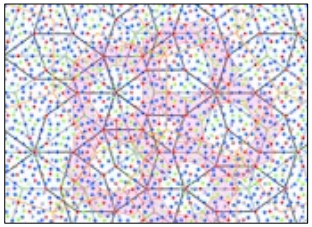












IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

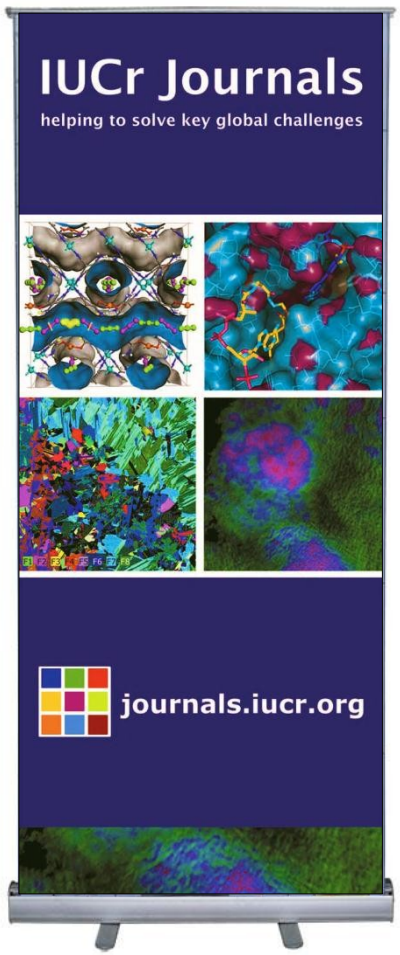
Acta Cryst E

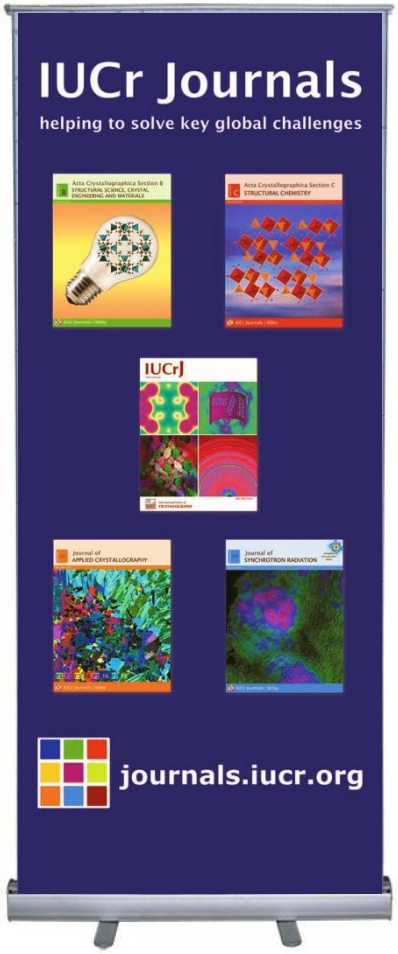
Acta Cryst F

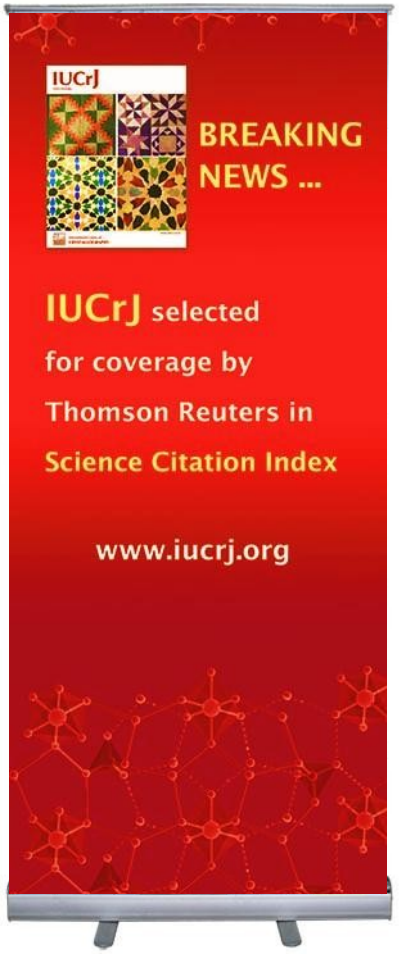
Appl Cryst JAC

Synchrotron JSR

Roll-up banners







IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

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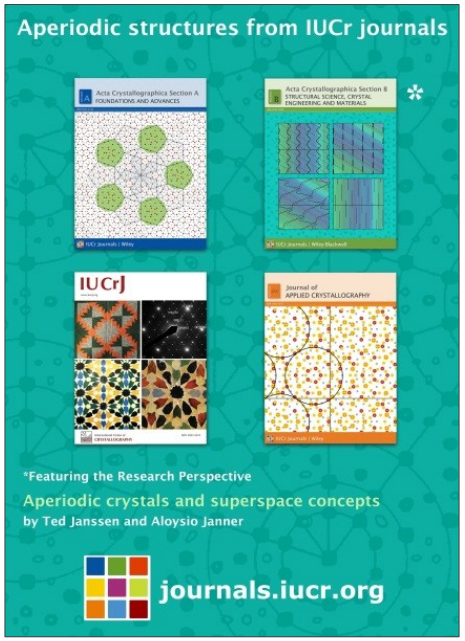
Acta Cryst D

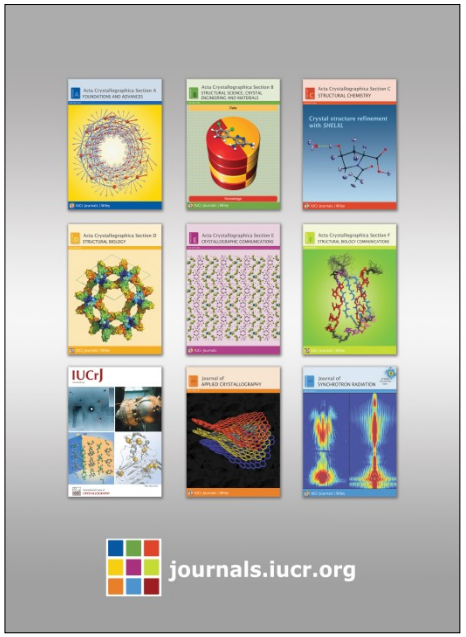
Acta Cryst E

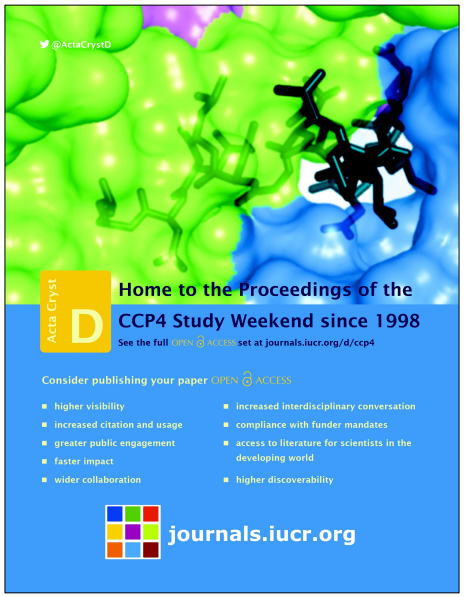
Acta Cryst F

Appl Cryst JAC

Synchrotron JSR







Journal advertisements

IUCr Publications

E-mailings

Published by the International Union of CRYSTALLOGRAPHY

Dear Colleague

Acta Crystallographica Section E

We are writing to keep you up to date with progress on the relaunch of *Acta Crystallographica Section E*.

The first step in the relaunch of *Acta E* in June 2014 heralded its transformation from *Structure Reports Online* to *Crystallographic Communications*. It introduced papers in the new Research Communications format: these are full reports designed to bring out the science behind a structure determination. You can browse the wide range of papers published in this format at http://journals.iucr.org/e/.

One of the stated aims of the relaunch has been to regain indexing in the Science Citation Index. We are therefore delighted to announce that the journal is now included in Thomson Reuters' new Emerging Sources Citation Index (ESCI). This means that articles published in *Acta E* can now be found in searches of the Science Citation Index.

From the start of 2016, *Acta E* has only published papers in the longer Research Communications format. This does not, however, spell the end for short structure reports. Data Reports have a new home in the IUCr's innovative open-access data publication, *IUCrData* (http://iucrdata.iucr.org).

We look forward to receiving your articles in *Acta E* or *IUCrData*.

Best wishes

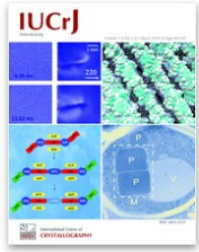
Gillian Holmes
Managing Editor

Peter Strickland
Executive Managing Editor

Published by the International Union of CRYSTALLOGRAPHY

Dear Colleague

Platinum celebration



To celebrate the first impact factor for **IUCrJ**, which will be reported in June 2016, we are offering you the chance to publish a platinum open-access article in the journal.

The first 30 articles **submitted before 30 June 2016** with the following voucher code:

Voucher code:
dis-63gwUYye619PkvwixPj

and accepted for publication following peer review, will be published platinum open access (*i.e.* there will be no charge for open-access publication).

The contents of the latest issue of the journal are given below.

We look forward to receiving your submissions.

Best wishes

Peter Strickland
Executive Managing Editor

Jonathan Agbenyega
Business Development Manager

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

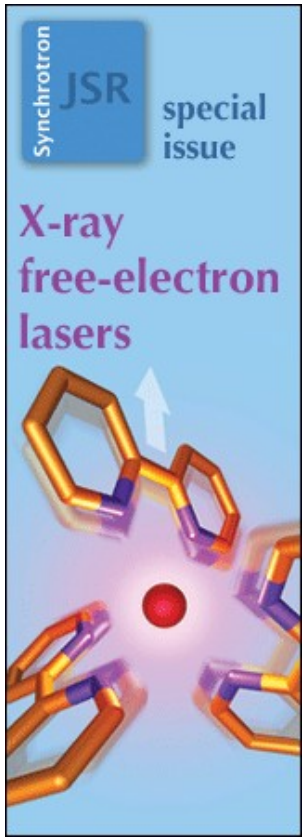
Acta Cryst E

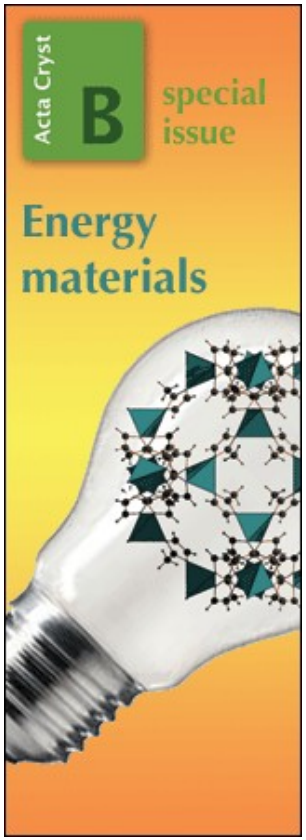
Acta Cryst F

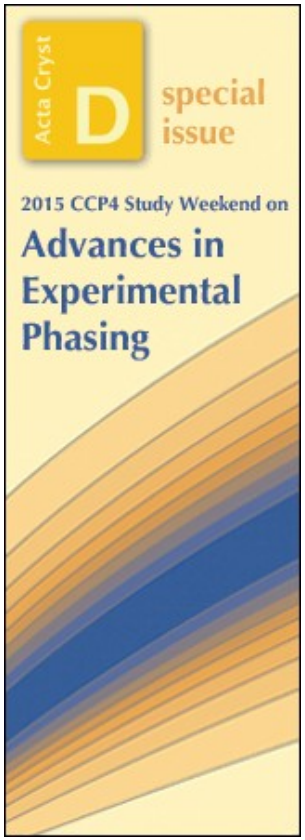
Appl Cryst JAC

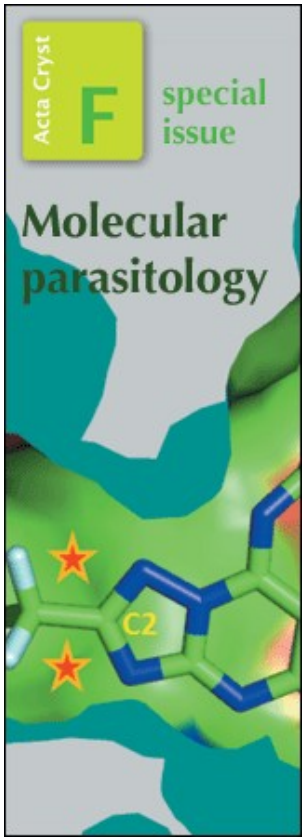
Synchrotron JSR

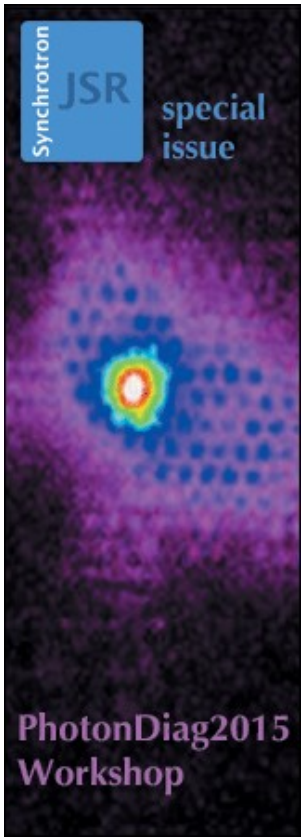
Special-issue banner ads











IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

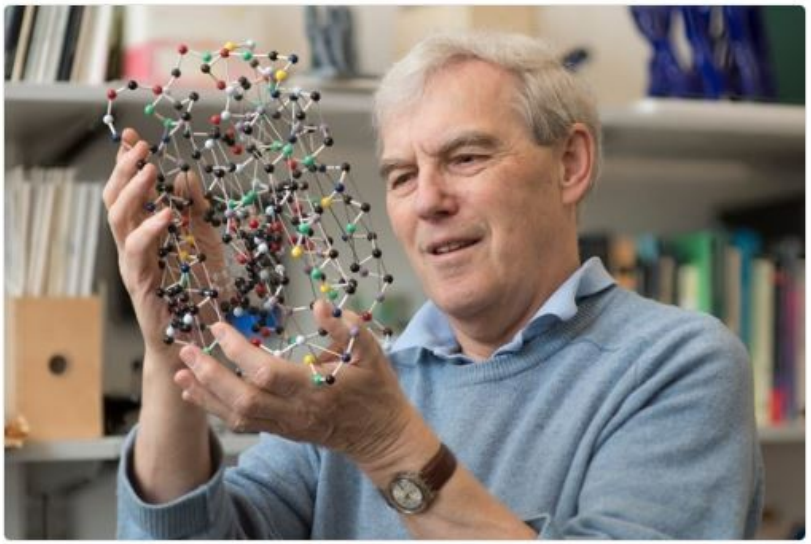
Twitter

You Retweeted

The Royal Society @royalsociety · May 23

Congrats to protein imaging pioneer, Richard Henderson, who wins our Copley Medal ow.ly/Q5R5300tpTJ #RSmedals

MRC LMB



73 68

IUCr @IUCr · May 23

Congratulations to @iucrj editor Dr Henderson FRS twitter.com/royalsociety/s…

This Tweet is unavailable.

2

@IUCr and journal accounts are growing with more than 2500 followers in total

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

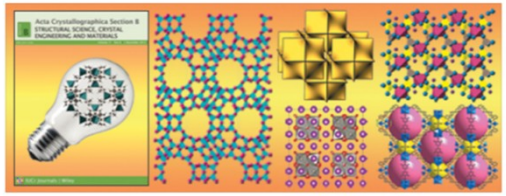
Appl Cryst JAC

Synchrotron JSR

Find us on Facebook

International Union of Crystallography (IUCr)
Published by Andrea Sharpe [?] · 9 December 2015 ·

Papers in the latest special issue of Acta Cryst. B: Structural Science, Crystal Engineering and Materials (http://journals.iucr.org/b/issues/2015/06/00/) focus on a broad range of research devoted to Energy Materials, investigating the role and application of structural science in one of the most important scientific challenges of our age: the identification of secure, sustainable and affordable sources of energy.



470 people reached — Boost post

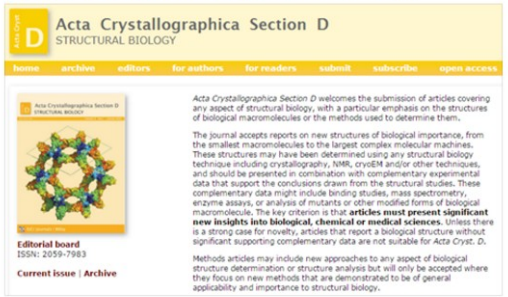
International Union of Crystallography (IUCr)
Published by Andrea Sharpe [?] · 15 February ·

The IUCr is delighted to announce the launch of a new open-access data publication, IUCrData. This innovative publication aims to provide short descriptions of crystallographic datasets and datasets from related scientific disciplines, as well as facilitating access to the data. The first phase of this venture enables authors rapidly to publish brief, peer-reviewed Data Reports on individual crystal structures, making them readily available to the scientific community. To find out more, please visit http://iucrdata.iucr.org/

1,108 people reached — Boost post

International Union of Crystallography (IUCr)
Published by Andrea Sharpe [?] · 5 January ·

Acta Cryst. D begins 2016 with a new subtitle - Structural Biology - to reflect a widened scope to encompass not only biological crystallography but also other structural biological methods and functional studies. The Section Editors look forward to receiving papers where the combination of the structural and functional data reveal significant new insight; read their Editorial at http://www.dx.doi.org/10.1107/S2059798315023761.



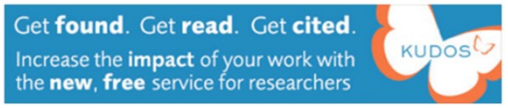
747 people reached — Boost post

International Union of Crystallography (IUCr)
Published by Jonathan Agbenyega [?] · 4 March ·

Share your thoughts on building the visibility of your work and managing your reputation in this Kudos survey:

https://www.surveymonkey.co.uk/r/reputation-iucr

The survey comprises 15 questions and should take around 15 minutes to complete. If you complete the survey you can choose to enter a prize draw for online shopping vouchers to the value of £100 (or equivalent in your local currency, where possible).



847 people reached — Boost post

International Union of Crystallography (IUCr)
Published by Andrea Sharpe [?] · 30 November 2015 ·

We are pleased to announce that Acta Cryst. E: Crystallographic Communications (http://journals.iucr.org/e) has been accepted for indexing in the Emerging Sources Citation Index (ESCI; http://wokinfo.com/products_tools/multidisciplinary/esci/), a new edition of Web of Science. Acta E is thus also under consideration by Thomson Reuters to be accepted in the Science Citation Index Expanded. ESCI expands coverage of journal content across Web of Science collections and also makes content important to funders, key opinion leaders and evaluators visible in Web of Science.

1,225 people reached — Boost post

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Student prizes

IUCr Publications

IUCrJ

Acta Cryst A

Acta Cryst B

Acta Cryst C

Acta Cryst D

Acta Cryst E

Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

PowerPoint presentations

International Union of Crystallography (IUCr) – a short introduction

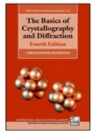
The IUCr's main activities are to

- publish journals and books
- set standards
- educate and conduct outreach projects
- promote international collaboration in science

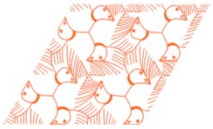
IUCr Publications

Enthusiastic sponsor of Crystallography for Space Sciences

Educational resources from the IUCr



Textbooks



Teaching pamphlets

Exhibition materials

Dictionary

IUCr YouTube™ Channel

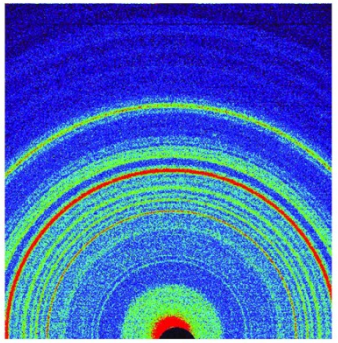
Timelines

Crystallography365

Teaching and Education section in *J. Appl. Cryst.*

And lots more to see at www.iucr.org!

The first X-ray diffraction measurements on Mars

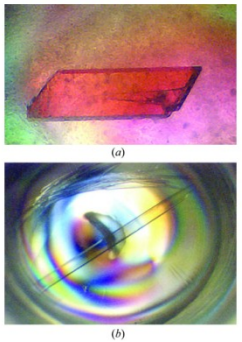


IUCrJ

Bish *et al.*

Volume 1 | Part 6 | November 2014 | Pages 514–522 | 10.1107/S2052252514021150

Improved three-dimensional growth of manganese superoxide dismutase crystals on the International Space Station



Acta Cryst D STRUCTURAL BIOLOGY

Vahedi-Faridi *et al.*

Volume 59 | Part 2 | February 2003 | Pages 385–388 | 10.1107/S0907444902020310

IUCr Publications

Meetings for 2016/2017

BCA	April 2016	JA
MISCA	June 2016	MZ
BBS	July 2016	SH/PS/JA
IUBMB	July 2016	SH/JA
ACA	July 2016	SH/PS/JA
ECM	Aug 2016	MZ
AIC School	Sept 2016	MZ
AsCA	Dec 2016	MZ

BCA	April 2017
ACA	May 2017
IUCr2017	August 2017

http://journals.iucr.org/services/meetings_2016.html

IUCr Publications

IUCrJ

Acta Cryst A

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Acta Cryst F

Appl Cryst JAC

Synchrotron JSR

Stand attractions

- Pre-meeting email
- Meet the Editor
- Prize draws
- Surveys
- Quizzes
- Exhibitor-sponsored wine
- Passport stamps/ treasure hunt

IUCr Publications

Meetings

Questions for discussion:

What types of promotions at meetings have you found interesting?

Do you think that having a stand at meetings is essential or would our promotions budget be better spent in other ways?

Can you think of other ways to improve our visibility within the community?

IUCr Publications

13. Tools and technical developments

- Tools
- Technical developments
  - Journals web site
  - ORCID identifiers
  - Funding Data

Questions for discussion:

What additional features and information would editors like to see in the journal web pages?

What are the most useful features for readers of journals?

Are any members of the JMB currently using ORCID IDs?

Has anyone used the facility in our templates to add an ORCID ID?

Should IUCr journals start to collect funding information for all journals?

IUCr Publications

New technical developments 2016

- ORCID identifiers
- Powerpoint presentations
- Similar articles
- Electron density maps
- checkCIF APIs

IUCr Publications

ORCİD

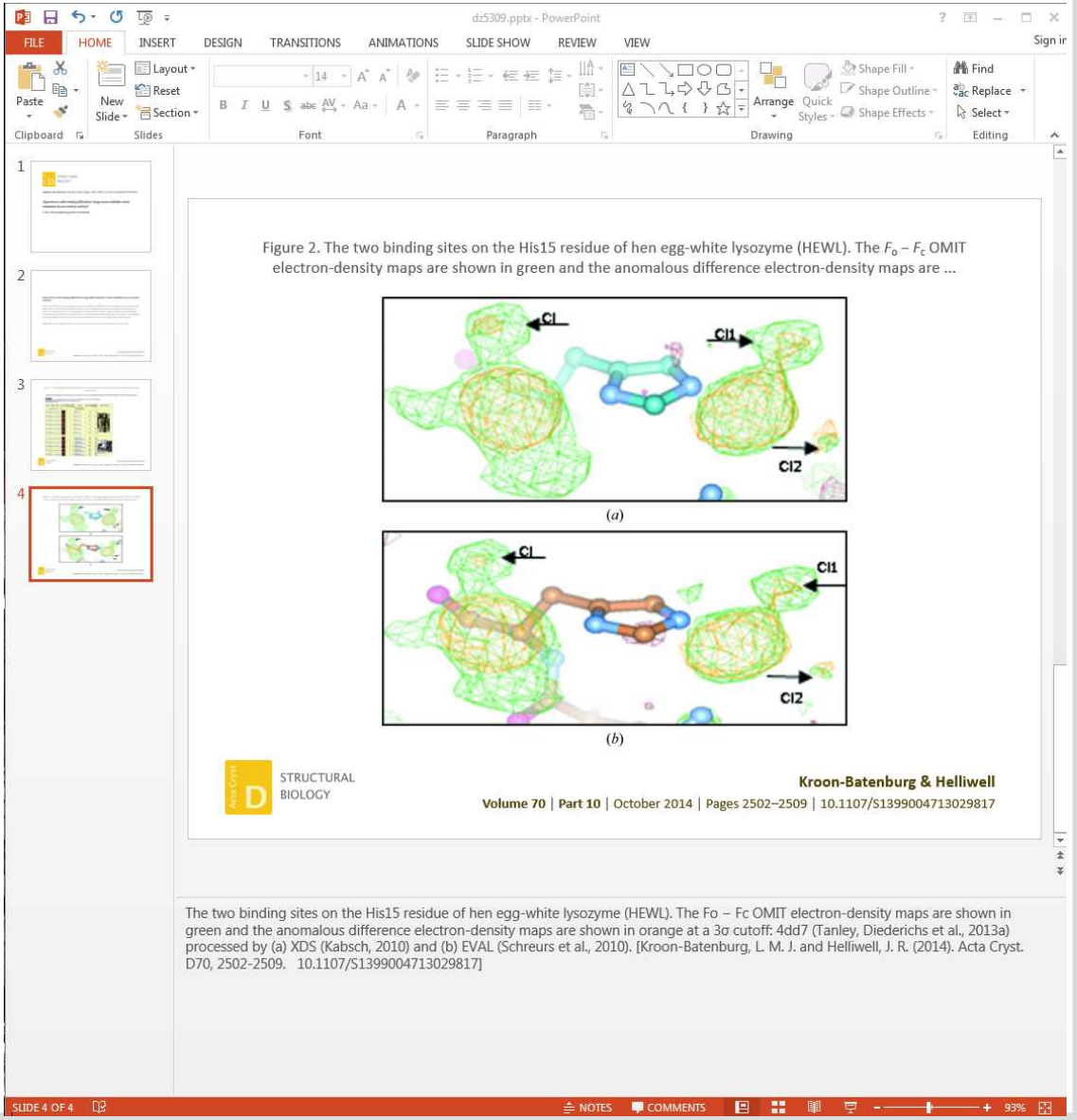
ORCID (http://orcid.org) is a registered researcher identifier designed to assist cross-linking, identification and authentication of researchers and their works

IUCr Journals now collect ORCIDs for authors of submitted articles

Powerpoint articles

For some time, authors have been able to download individual figures from their articles in Powerpoint format.

Now they can download a complete presentation: title page, synopsis, all figures (with captions as slide notes)



STRUCTURAL BIOLOGY

Volume 70 | **Part 10** | October 2014 | Pages 2502–2509 | 10.1107/S1399004713029817

Experiences with making diffraction image data available: what metadata do we need to archive?

L. M. J. Kroon-Batenburg and J. R. Helliwell

Experiences with making diffraction image data available: what metadata do we need to archive?

A local raw `diffraction data images' archive was made available and some data sets were retrieved and reprocessed, which led to analysis of the anomalous difference densities of two partially occupied Cl atoms in cisplatin as well as a re-evaluation of the resolution cutoff in these diffraction data. General questions on storing raw data are discussed. It is also demonstrated that often one needs unambiguous prior knowledge to read the (binary) detector format and the setup of goniometer geometries.

Keywords: data exchange; data archiving; metadata; derived data; processed data; raw data

Figure 1. The web page at http://rawdata.chem.uu.nl from which raw data can be downloaded as gzip-compressed ...

1.Experience with exchange and archiving of raw data: comparison of data from two diffractometers and four software packages on a series of lysozyme crystals

Simon W. M. Tanley, Antoine M. M. Schreurs, John R. Helliwell and Loes M. J. Kroon-Batenburg
Journal of Applied Crystallography, 2013, Volume 46, pages 108-119
reprint (PDF file, 1.8 Mb)

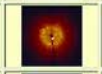
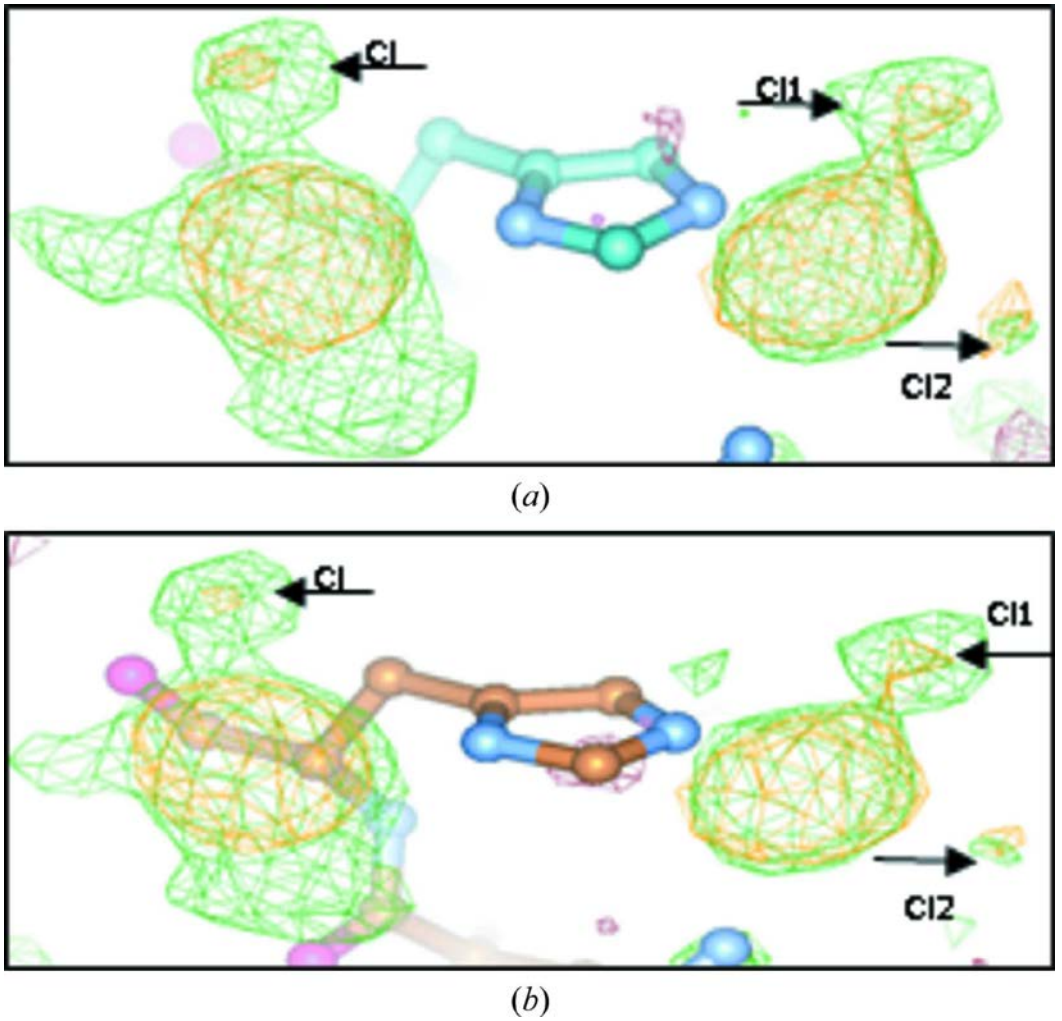
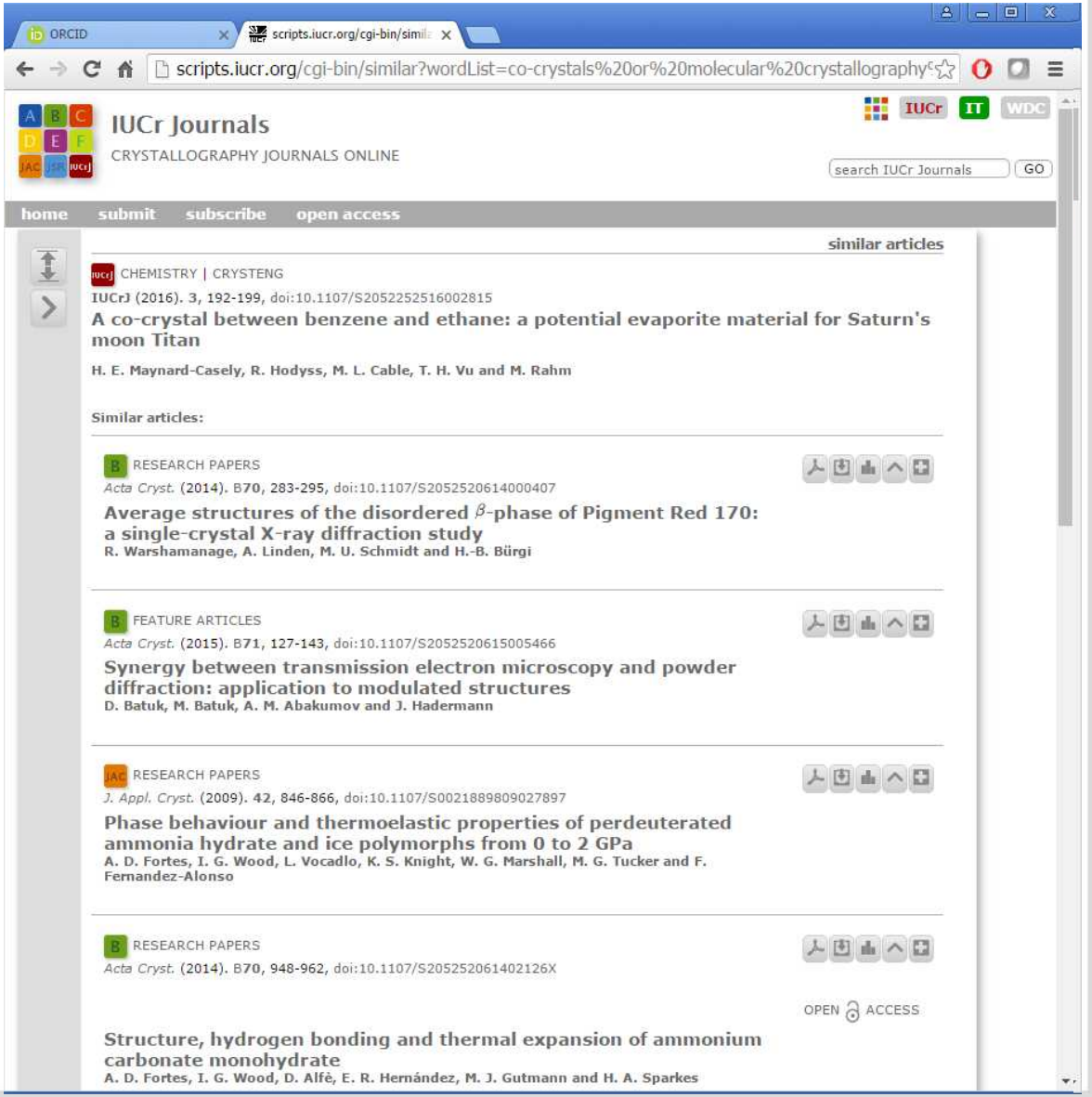
PDB	Sample Image	Snapshot	Nr of Scans	Nr of Images	Tarfile(s)	Size (Mb)	Expanded Size (Mb)	Diffractometer
	in original format	*png*			*X.tar.gz unpacks into subdirectory X*			
4DD0	4DD0_01_0001.osc		1	360	4DD0.tar.gz	1465	6191	Rigaku R_AXIS IV 
4DD2	4DD2_01_0001.osc		1	360	4DD2.tar.gz	2657	6191	
4DD3	4DD3_01_0001.osc		1	360	4DD3.tar.gz	2293	6191	
4DD9	4DD9_01_0001.osc		1	360	4DD9.tar.gz	2716	6191	
4DDA	4DDA_01_0001.osc		1	180	4DDA.tar.gz	1036	3096	
4DDB	4DDB_01_0001.osc		1	360	4DDB.tar.gz	2249	6191	
4DD1	4DD1_01_0001.sfrm		1	614	4DD1.tar.gz 4DD1unwarp.tar.gz	480 554	630 1236	Bruker PLATINUM[135] 
4DD4	4DD4_01_0001.sfrm		5	777	4DD4.tar.gz 4DD4unwarp.tar.gz	591 624	792 1564	
4DD6	4DD6_01_0001.sfrm		2	1440	4DD6.tar.gz 4DD6unwarp.tar.gz	1067 1117	1464 2897	
4DD7	4DD7_01_0001.sfrm		4	1862	4DD7.tar.gz 4DD7unwarp.tar.gz	1464 1566	1913 3746	
4DDC	4DDC_01_0001.sfrm		2	1440	4DDC.tar.gz 4DDCunwarp.tar.gz	1149 1220	1480 2897	proteumnac.p4p

Figure 2. The two binding sites on the His15 residue of hen egg-white lysozyme (HEWL). The $F_o - F_c$ OMIT electron-density maps are shown in green and the anomalous difference electron-density maps are ...



Similar articles

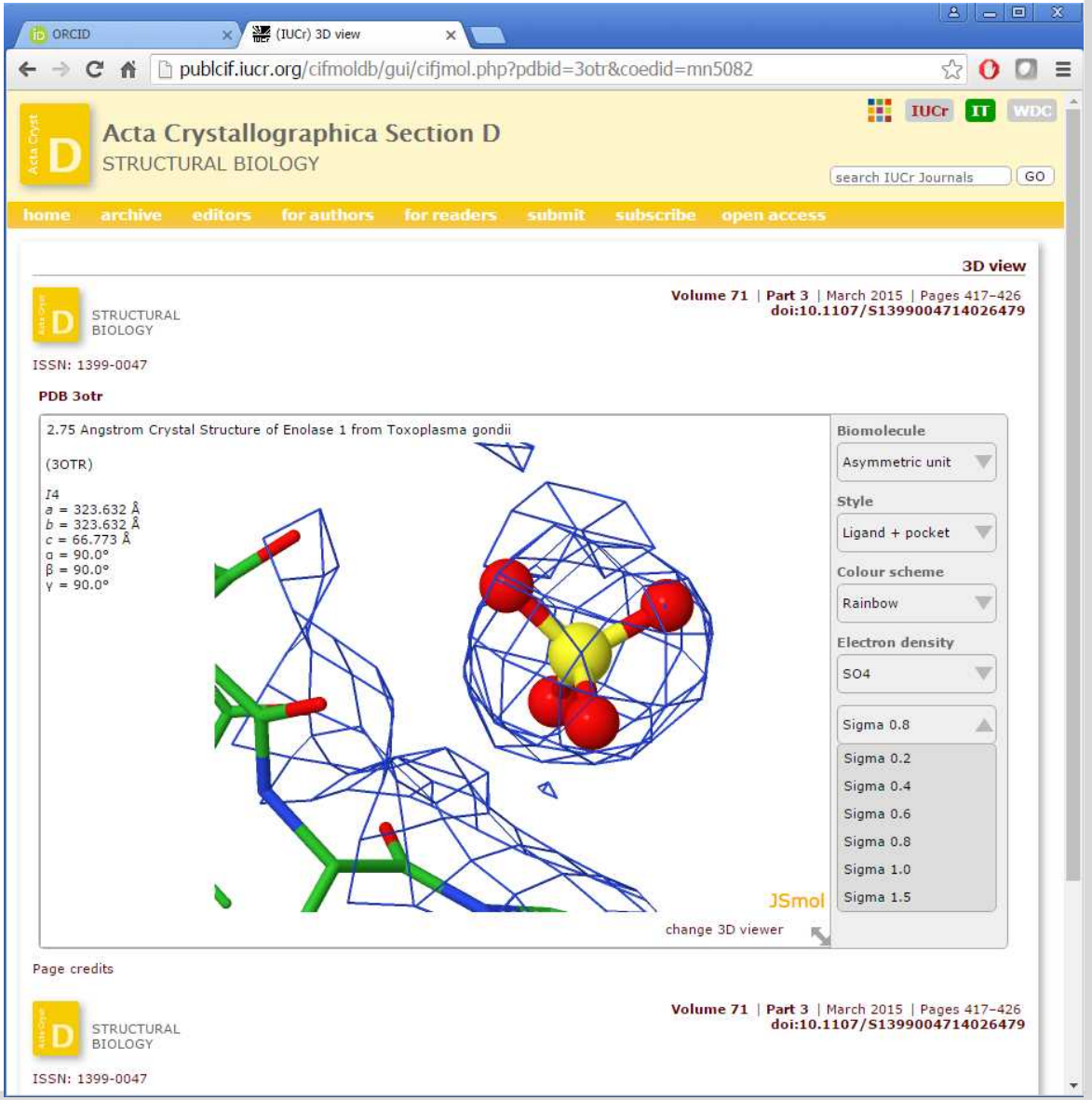
We are introducing a button to generate a list of IUCr journal articles that include the same keywords



Electron density maps

We have introduced in our “3d view” the option to explore the electron density maps fitting the environment of ligands bound to protein structures

This may be a feature that we can make available to reviewers at the article submission stage

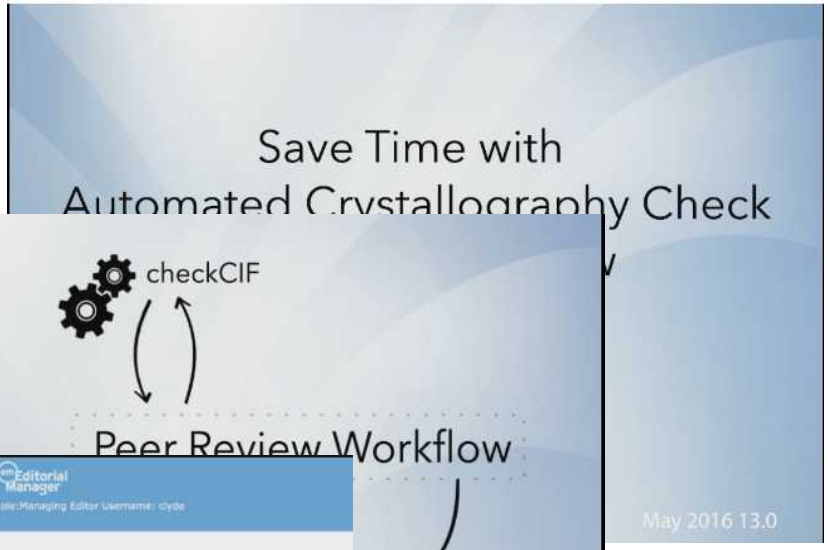


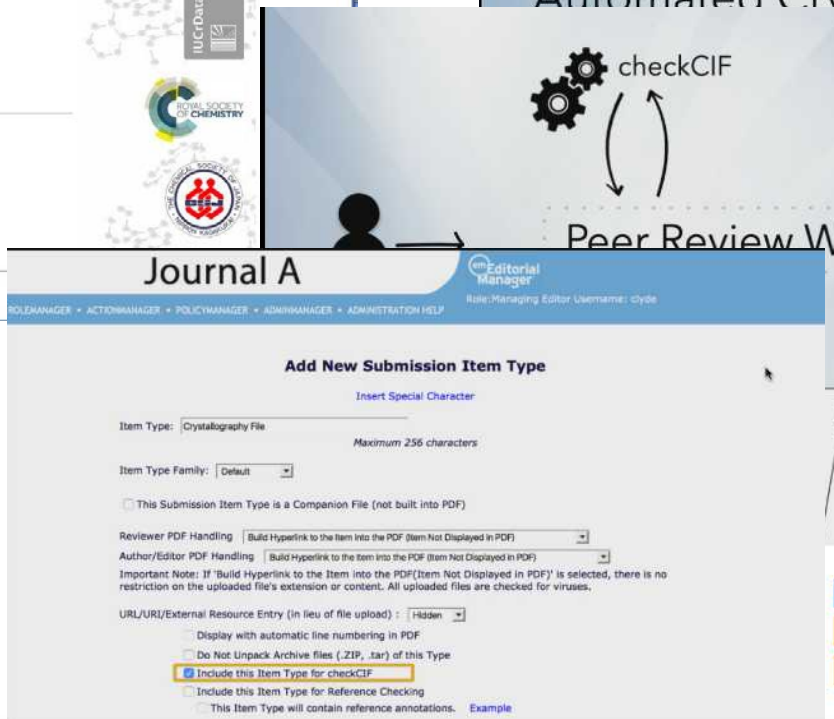
Validation tools: checkCIF

http://checkcif.iucr.org

Integrated with CSD data deposition

Now integrated with *Editorial Manager*





IUCr Publications

14. IUCr developments and outreach

IUCr Publications

JMB meeting - June 2016

IUCr Outreach programme: opportunities for journals promotion?

OUTLINE

- IUCr Outreach and Education Fund
- Collaborations with other institutions
- IUCr Congress 2017

crystallography matters ... more

Michele Zema

Outreach Officer

International Union of Crystallography
5 Abbey Square, Chester, UK

mz@iucr.org

Crystallography matters ... more!

events and outcomes from the international year of crystallography 2014

The IUCr Outreach and Education Fund

Links
- Crystallography matters more
- Launch conference
- IUCr Outreach and Education Fund

The **IUCr Outreach and Education Fund** has been established to enable the continuation of many of the initiatives successfully launched during the International Year of Crystallography in 2014 and to pursue the objectives stated in the declaration "*Crystallography for the next generation*".

The main aims of the IUCr Outreach and Education programme are as follows:

- to continue to increase awareness of crystallography, its fundamental role in the different branches of science and its contribution to the global economy via events directed at the general public, the younger generation and the media;
- to build capacity in crystallography and related fields of science in the developing regions of the world, particularly in (but not limited to) Latin America, Africa and South East Asia, by promoting high-quality educational initiatives and developing research activities, including in collaboration with industry;
- to forge collaborations with governmental, scientific and educational institutions and organizations aimed at facilitating strategic projects for the development of crystallography in all parts of the world and for its inclusion in curricula for secondary- and tertiary-level education.

The IUCr Outreach and Education Fund will be used to support the following:

A. The IUCr-UNESCO OpenLab initiative

Such events will be sponsored within a limit of US $5000 for each OpenLab.

Expressions of interest in organizing an OpenLab should be sent to the IUCr Outreach Officer. An OpenLab can be held when two or more of the following conditions are fulfilled:

- there is a necessity and opportunity to develop crystallographic activities in the country concerned;
- there is a possibility of fostering intra-regional collaborations with neighbouring countries;
- there is interest from governmental, academic and/or other local institutions in sustaining the activities and collaborating with the IUCr and the relevant Regional Associate during and after the OpenLab;
- there is partnership with an industrial company.

The IUCr will select one delegate who will be a member of the Organizing and Scientific Committees for the OpenLab.

B. Any event or activity other then OpenLabs aimed at pursuing the above main aims

Such events will be sponsored within a limit of US $2000.

Requests for IUCr sponsorship through the IUCr Outreach and Education Fund must be submitted to the IUCr Outreach Officer no later than 3 months before the event. Proposals must include the following:

- a description of the event, indicating the targeted audience and showing how the aims of the IUCr Outreach and Education programme will be achieved;
- the programme of the event and the memberships of its organizing and scientific committees;
- a provisional budget plan for the event and a declaration about any other funds already available for the project or submitted applications for other sponsorships;
- the amount of the contribution requested from the IUCr Outreach and Education Fund and how this is expected to be used – for example, to support young participants from outside the country hosting the event.

On acceptance of a proposal, designated IUCr logos must be included in all material related to the event and, if requested, a slot in the programme for a contribution from an IUCr delegate and/or a free IUCr booth to display IUCr publications must be made available. A best-poster/best-talk IUCr prize may also be awarded.

All requests will be evaluated by the Oversight Committee for the IUCr Outreach and Education Fund and decisions communicated in due course. After the event, proposers of funded projects will be required to submit the following:

Reaching out to …

- ✓ General public
- ✓ Younger generation
- ✓ Media
- ✓ Scientific community at large by:
  - Building capacity in crystallography in the developing regions of the world
  - Forging collaboration with other governmental, scientific and educational institution

How?

- ✓ IUCr-UNESCO OpenLabs
- ✓ Any activity aimed at pursuing the aims above

IUCr-UNESCO OpenLab

			Dates	Type	Country	Location
2014	1	**Bruker** OpenLab Pakistan	30 Apr 2014 - 8 May 2014	OpenLab Type 2	**Pakistan**	Karachi
	2	**Agilent** OpenLab Argentina	5 May 2014 - 10 May 2014	OpenLab Type 2	**Argentina**	La Plata and Buenos Aires
	3	**Bruker** OpenLab Morocco	20 May 2014 - 20 Jun 2014	Travelling Lab	**Morocco**	Rabat and Agadir
	4	**PANalytical** OpenLab Ghana	9 Jun 2014 - 12 Jun 2014	OpenLab Type 2	**Ghana**	Accra
	5	**Rigaku** OpenLab Cambodia	7 Jul 2014 - 11 Jul 2014	OpenLab Type 2	**Cambodia**	Phnom Penh
	6	**Bruker** OpenLab Uruguay	23 Jul 2014 - 31 Jul 2014	OpenLab Type 1	**Uruguay**	Montevideo
	7	**Bruker** OpenLab Indonesia	18 Aug 2014 - 22 Aug 2014	Travelling Lab	**Indonesia**	Bandung
	8	**Agilent OlexSys** OpenLab Turkey	1 Sep 2014 - 5 Sep 2014	OpenLab Type 2	**Turkey**	Izmir
	9	**STOE DECTRIS Xenocs** OpenFactory	10 Sep 2014 - 19 Sep 2014	OpenFactory	**France and Germany**	Grenoble and Darmstadt
	10	**Rigaku** OpenLab Colombia	27 Oct 2014 - 31 Oct 2014	OpenLab Type 2	**Colombia**	Bucaramanga
	11	**PANalytical** OpenLab Mexico	18 Nov 2014 - 21 Nov 2014	OpenLab Type 2	**Mexico**	Mexico City
	12	**Agilent OlexSys** OpenLab Hong Kong	3 Dec 2014 - 7 Dec 2014	OpenLab Type 2	**Hong Kong**	Hong Kong
	13	**Bruker** OpenLab Vietnam	8 Dec 2014 - 12 Dec 2014	OpenLab Type 2	**Vietnam**	Ho Chi Minh City
2015	14	**PANalytical** OpenLab Turkey	19 Jan 2015 - 22 Jan 2015	OpenLab Type 2	**Turkey**	Ankara
	15	**Bruker** OpenLab Algeria	9 May 2015 - 14 May 2015	OpenLab Type 1	**Algeria**	Constantine
	16	**Bruker** OpenLab Tunisia	14 May 2015 - 23 May 2015	Travelling Lab	**Tunisia**	Monastir and Nabeul
	17	**CCDC** OpenLab Kenya	6 Sep 2014 - 10 Sep 2015	OpenLab Type 2	**Kenya**	Nairobi
	18	**PANalytical** OpenLab Mexico	28 Sept 2015 - 2 Oct 2015	OpenLab Type 2	**Mexico**	Puebla
	19	**Bruker** OpenLab Senegal	5 Oct 2014 - 10 Oct 2015	Travelling Lab	**Senegal**	Ziguinchor
	20	**Bruker** OpenLab Vietnam	14-18 Dec 2015	OpenLab Type 2	**Vietnam**	Ho Chi Minh City
2016	21	**Rigaku** OpenLab Cambodia	11-15 Jan 2016	OpenLab Type 2	**Cambodia**	Phnom Penh
	22	**Bruker** OpenLab Uruguay	23-29 Feb 2016	OpenLab Type 2	**Uruguay**	Montevideo
	23	**Bruker** OpenLab Albania	30 May – 3 June 2016	Travelling Lab	**Albania**	Tirana
	24	**Rigaku** OpenLab Bolivia	12-16 Sept 2016	OpenLab Type 2	**Bolivia**	La Paz

OpenLab – recent editions

CAMBODIA – January 2016

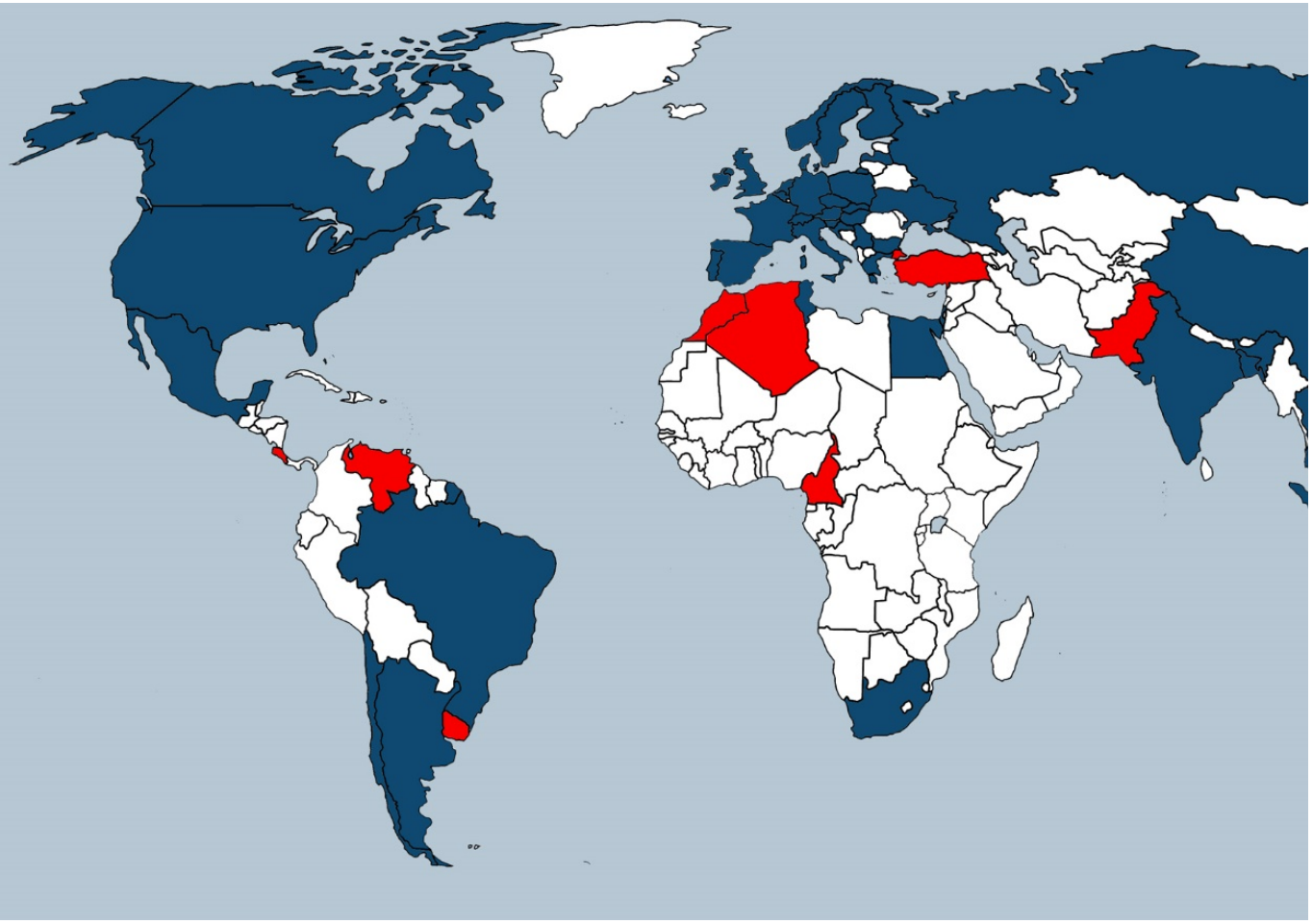
OpenLab – recent editions

URUGUAY – February 2016

OpenLab – recent editions

ALBANIA – May 2016

New member countries



Expected in 2017:

- Singapore
- Bangladesh
- Albania/Kosovo
- Tunisia?
- others?

Countries that adhered to the IUCr before 2014 are shown in **blue**, those countries that joined in 2014 during IYCr are shown in **red**.

Crystallography around the world

www.iucr.org/world/it

International Union of
CRYSTALLOGRAPHY

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Home > world > it

Crystallography around the world: Italy

National associations or societies

Associazione Italiana Cristallografia

Società Italiana Luce di Sincrotrone | Italian Synchrotron Radiation Society

IUCr | Directory | Meetings | IYCr2014 | History/activities | pre-1962 | Photos

Italy

Category III

Adhering Body

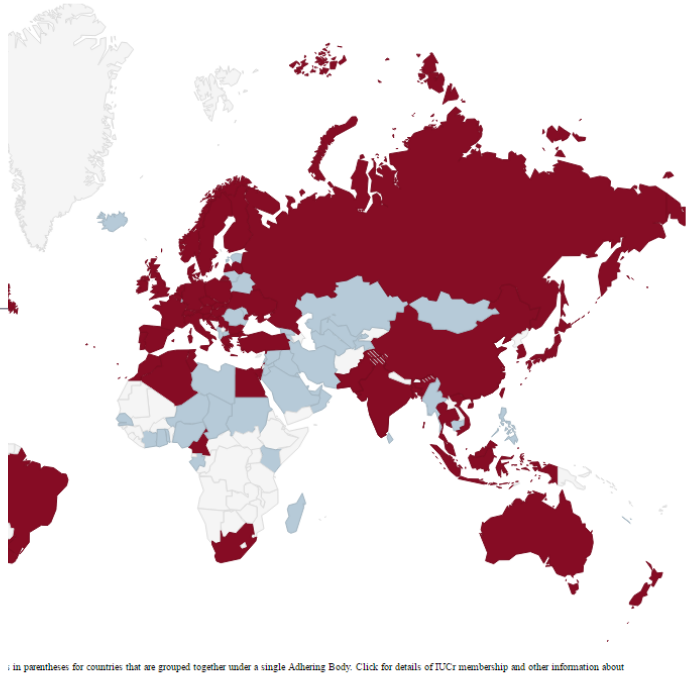
Consiglio Nazionale delle Ricerche

Secretary of National Committee

M. SAVIANO, Istituto di Cristallografia del CNR, via Amendola 122/O, 70126 Bari, Italy

National Committee

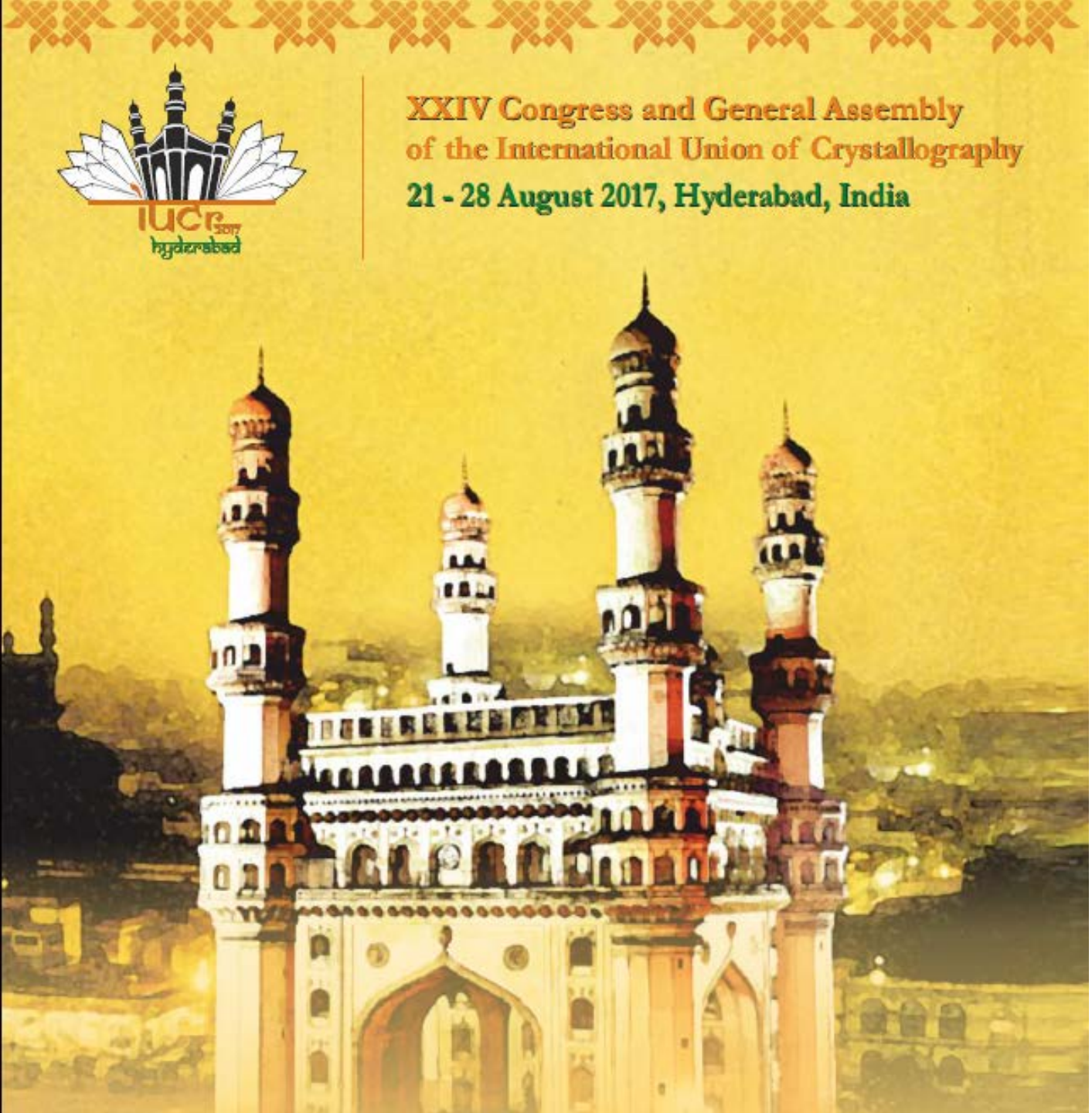
R. OBERTI (Chair)
G. ARTIOLI
F. BOSCHERINI
A. ILARI
C. MEALLI
M.SAVIANO
G. ZANOTTI
A. ZAPPETTINI
M. ZEMA



in parentheses for countries that are grouped together under a single Adhering Body. Click for details of IUCr membership and other information about

Active collaborations with other institutions

- UNESCO
- TWAS
- IUPAC – Commission on Chemistry Education
- IUPAP – Commission for Development
- IUBMB
- ICTP (Abdus Salam Intl. Centre for Theoretical Physics)
- CEI (Central Europe Initiative)
- AfLS (African Light Source)
- COSPAR
- others …



National Organising Committee

G.R. Desiraju (Chair)
P. Chakrabarti
T.N. Guru Row
R.K.R. Jetti
D. Pandey
D.M. Salunke
M.K. Sanyal

Local Organising Committee

G.R. Desiraju (Chair)
R.K.R. Jetti (Vice Chair)
R. Banerjee
K. Biradha
U. Ramamurty
C.M. Reddy
J.A.R.P. Sarma
M. Zema

www.iucr2017.org

IUCr

IUCr 2017 – Special activities and outreach programme

- 8-9 microsymposia on Special activities (data, CryoEM, IYCr legacy, COSPAR, etc.) – Programme to be defined
- Participation of large delegations from China and India
- Participation of delegates of as many as 20-25 countries which never attended an IUCr Congress
- Parallel programme to engage delegates
- Space for special initiatives available for the duration of the Congress (i.e. training/teaching sessions, meet the Editor, dissemination lectures for delegates and the media, regional meetings, etc.)

15. Meetings/workshops in Hyderabad

- What journal meetings (in addition to JMB) might be organized in Hyderabad?
- Should we consider workshops for authors, reviewers etc.?

IUCr Publications