WEBINAR

ChronosHub

SDGs in the Workflow

28 September 2023

PRESENTING TODAY

Moderator

Romy Beard

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ChronosHub

Dana Compton

MD & Publisher

American Society of Civil Engineers

Sara Yow

Senior Editorial Operations Supervisor

Cell Press

Tyler Ruse

Director, Publisher Solutions

Digital Science

AGENDA

1. Presentations
2. Discussion
3. Q&A
4. What's Next

DANA COMPTON

American Society of Civil Engingeers

The SDG Publishers Compact

What are the SDGs and what can publishers do about it?


SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS
SUSTAINABLE DEVELOPMENT GOALS

The SDG Publishers Compact

IPA

United Nations

Inspiring action

- Publishers have a unique contribution to make towards accelerating progress towards the Global Goals
- Launched jointly by the International Publishers Association and the UN Publications Team
- More than 300 Publishers signed up to the SDG Publishers Compact since Oct 2020

What does it cover?

Becoming a signatory

Things to know:

- Publishers, publishing associations, other organizations in the publishing industry, and even journals can become signatories
- When an organization signs, they select 3 focus SDGs
- There is no deadline and no fee for signing; it is not legally binding
- You do not need a fully formed sustainability plan to become a signatory

Once signed up you will:

- Be able to display the Compact logo on your site
- Receive the newsletter
- Have the option to record a member of the month video for the IPA site

Don’t let perfect be the enemy of good, just get started!

The HESI SDG Publishers Compact Fellows

- Publishers
- Academic Societies
- Faculty
- PhD Students
- Librarians
- Sustainability Experts

https://www.sdgcompactfellows.org/

Top Action Tips

SDG Publishers Compact Fellows

Academic publishers, editors & reviewers

The academic publishing community must create the systems through which research and education can drive global achievement of the SDGs.

Find ways to drive organizational change.

Download PDF

Graduate researchers & students

The new generations of researchers, beginning their careers in a time of change and action, must integrate sustainability into the agenda of future scholarship.

Get tips on building SDGs into your career.

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Academic authors

Authors must actively choose to create the knowledge humankind needs to fuel growth that is sustainable and make change that is positive.

See our recommendations for best practices on bringing SDGs into your research.

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Academic librarians

Libraries must ensure that the knowledge required to achieve the SDGs can be recognized, discovered and made available to those who will build upon it and put it into action.

See tips on how to uncover SDG scholarship.

Download PDF

Connecting researchers & practitioners

Research alone will not make the SDGs reality. Each member of scholarly community must work to put research in the hands of practitioners.

See tips on how each group can get research into practice.

Download PDF

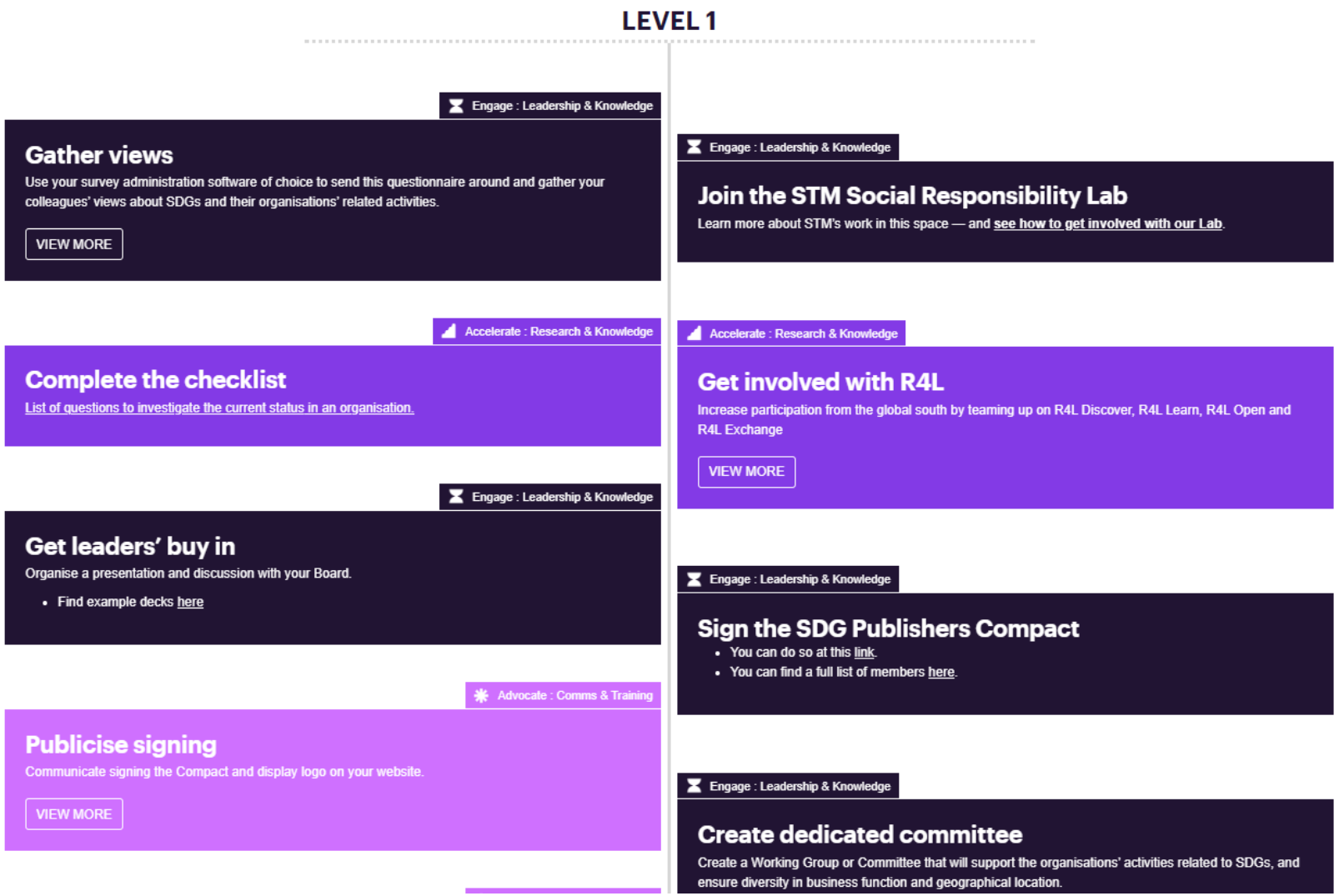
STM SDG Sustainability Roadmap

Principles of the SDG Roadmap:

- Integrates SDG Publishers Compact Commitments and Fellows' Top Tips for Academic Publishers
- Suggested concrete steps to live up to the commitments
- For all publishers, both big and small
- Not prescriptive but indicative of the steps an organization might want to consider
- Level 1 released; levels 2 and 3 coming

https://www.stm-assoc.org/un-sustainable-development-goals-2/roadmap/

STM SDG Sustainability Roadmap: Level 1

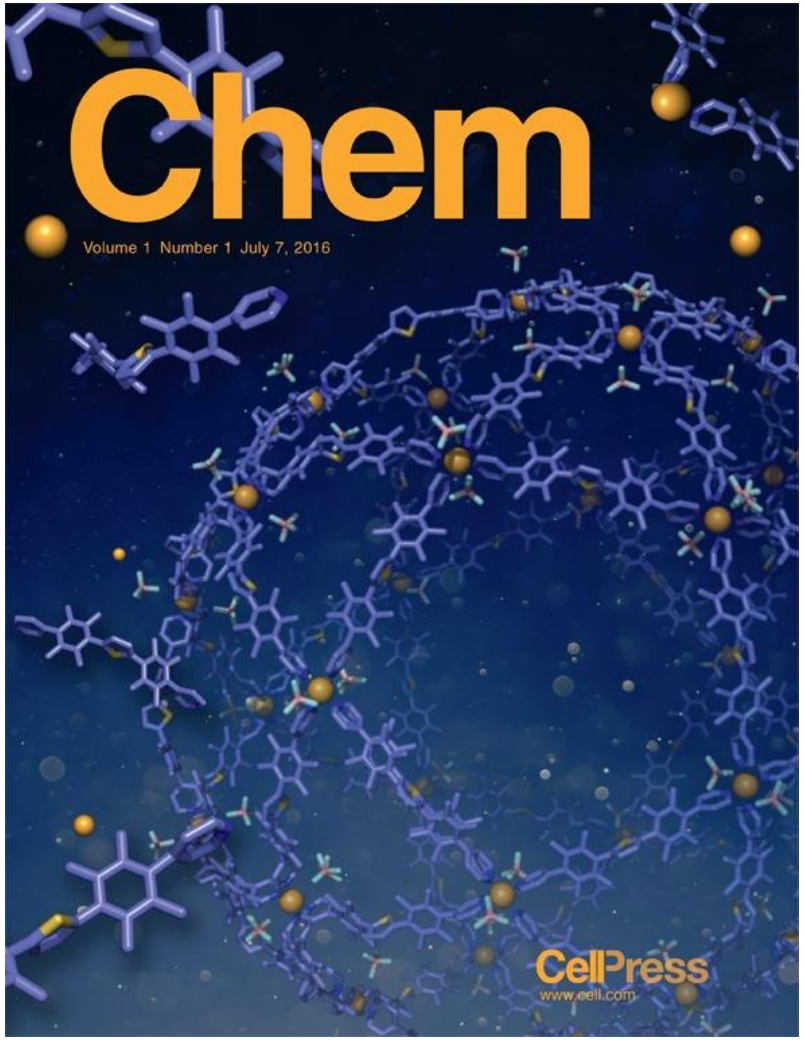


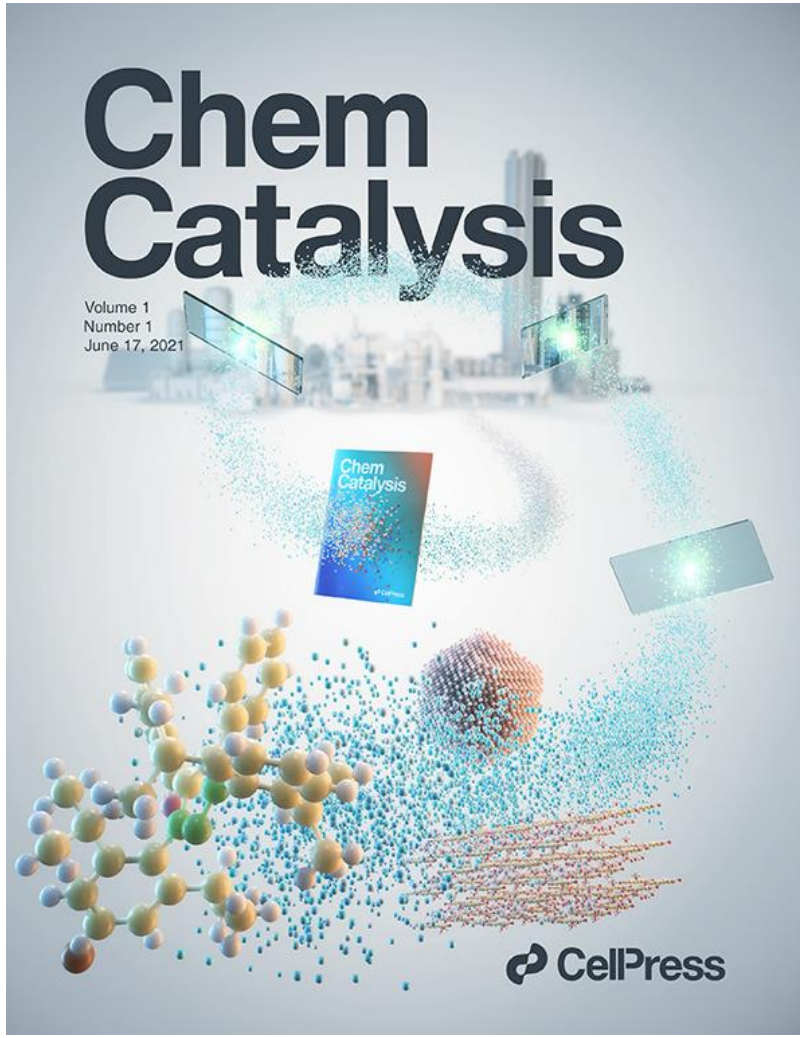
SARA YOW

Cell Press

Capturing SDG-related content at submission

UN SDGs at Chem and Chem Catalysis



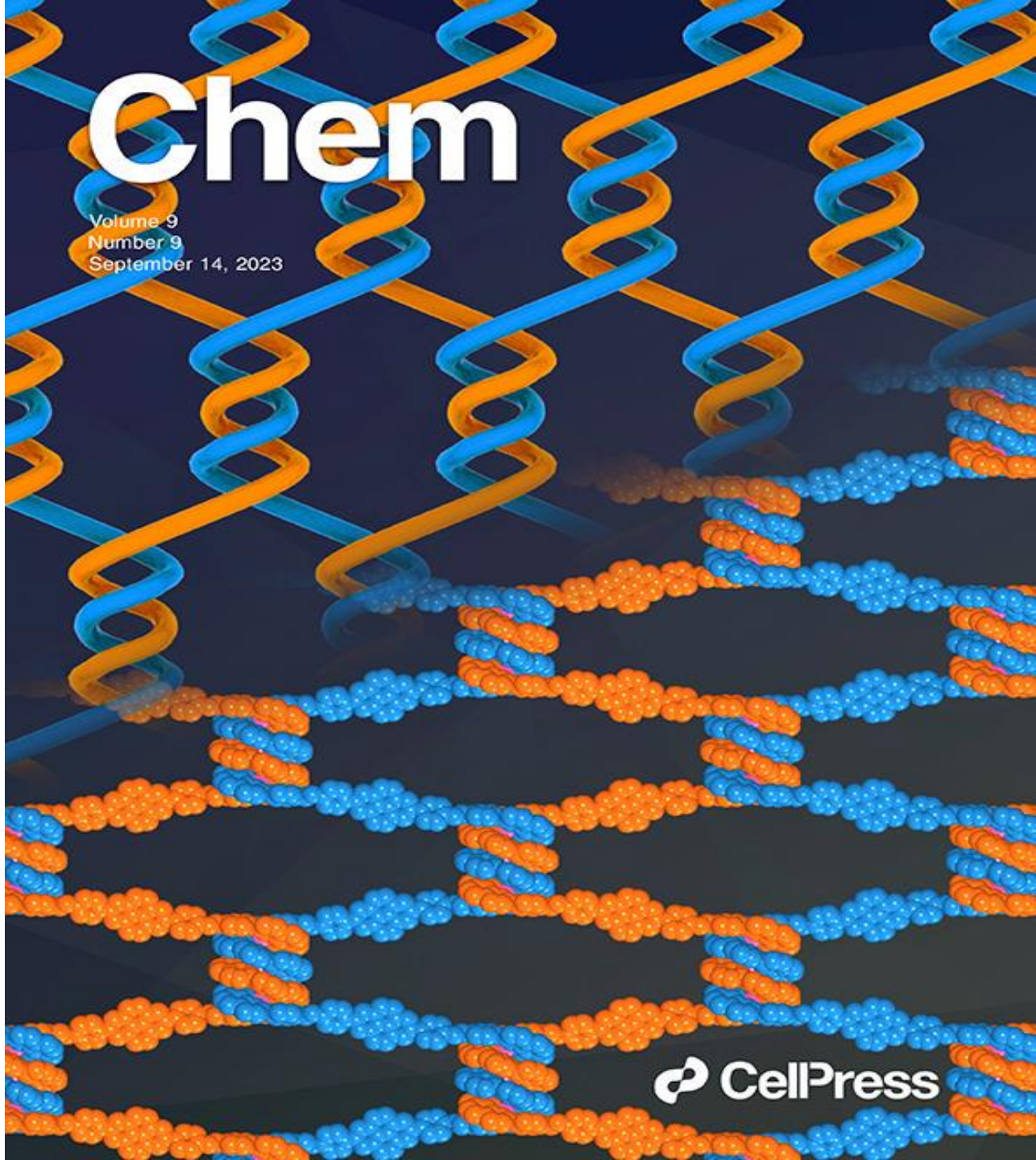


Why do we link published articles to UN Sustainable Development Goals?

- Chem and Chem Catalysis showcase exceptional advances in Chemistry – which can help tackle the big challenges of the 21st century.
- We encourage authors to give broader context for the importance of the research.
- Each paper also has a “Bigger Picture” statement, which explores in layman’s terms the significance of the work.
- UN SDGs take it further by linking the research directly to global issues that the UN has identified.

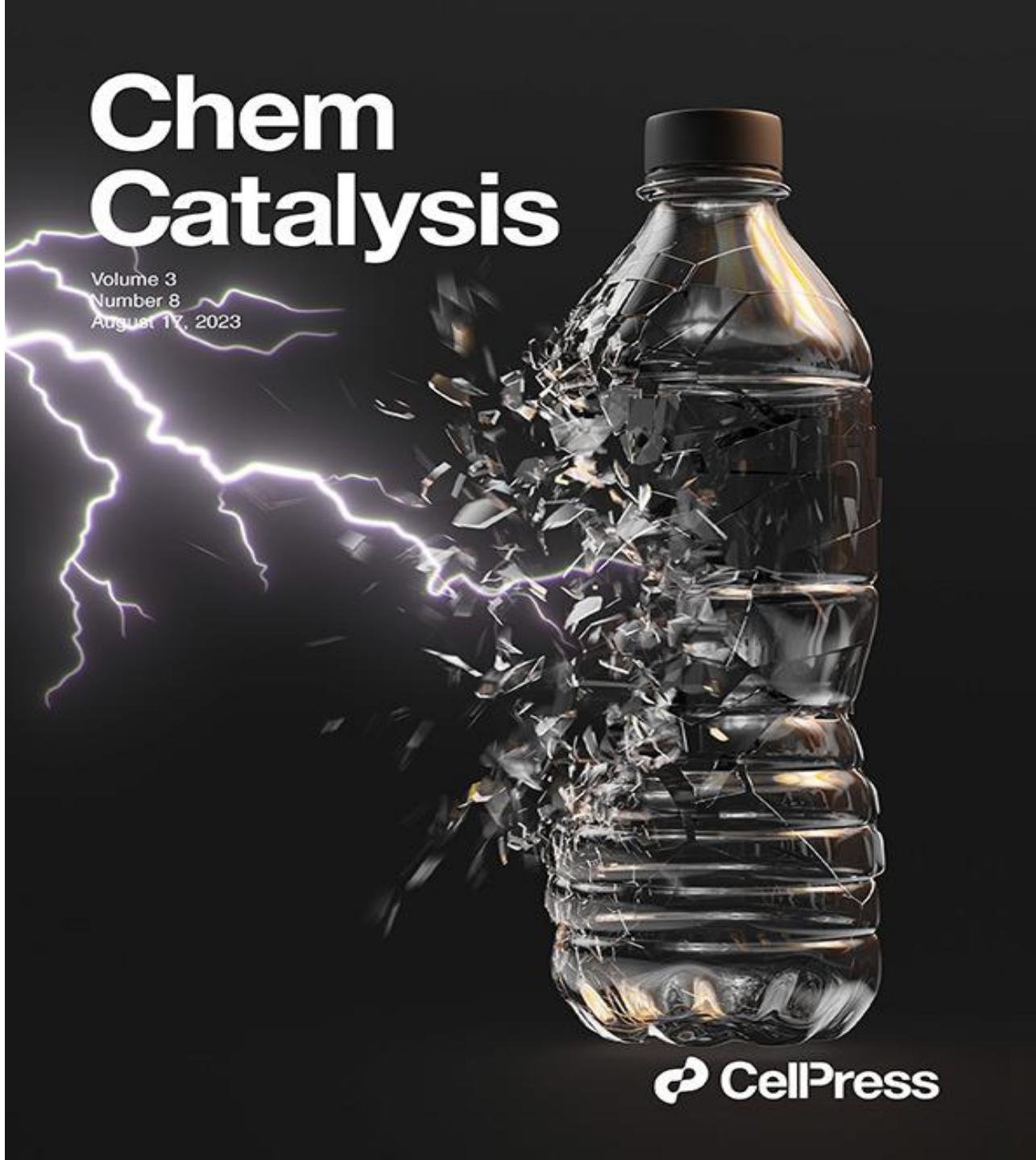
UN SDGs at Chem

- We give authors the ability to choose between 10 UN SDGs:
  - Zero Hunger
  - Good health and well-being
  - Clean water and sanitation
  - Affordable and clean energy
  - Industry, innovation, and infrastructure
  - Sustainable cities and communities
  - Responsible consumption and production
  - Climate action
  - Life below water
  - Life on land



UN SDGs at Chem Catalysis

- We give authors the ability to choose between five UN SDGs:
  - Good health and well-being
  - Clean water and sanitation
  - Affordable and clean energy
  - Industry, innovation, and infrastructure
  - Climate action



Submission Process: EM Homepage

em Chem

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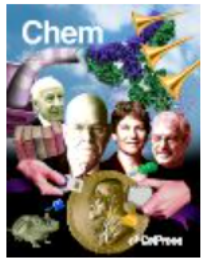

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Chem

Welcome to the online submission and editorial system for Chem.

Chem, a sister journal to Cell, provides a home for seminal and insightful research and showcase how fundamental studies in chemistry and its sub-disciplines may help in finding potential solutions to the global challenges of tomorrow. Chem will publish work from across the chemical sciences and at the interfaces between chemistry and other disciplines. On submission, authors will be asked to categorize their article into at least one of the Sustainable Development Goals as identified by the United Nations.

For manuscript guidelines and to read the latest research and reviews, please visit https://www.cell.com/chem. For Instructions for reviewers, visit https://www.cell.com/Reviewers.

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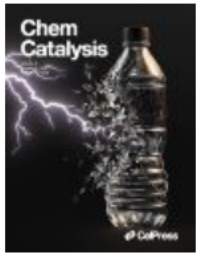

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Chem Catalysis

Chem Catalysis is a journal publishing innovative and insightful research on fundamental and applied catalysis, providing a platform for researchers across chemistry, chemical engineering, and related fields to disseminate and promote their work. We give particular emphasis to reports that significantly improve our understanding of existing systems, expand the current knowledge with novel catalysts, and connect fundamental catalysis insights to the real world for the benefit of society. Chem Catalysis links all content to a minimum of one of the five most relevant United Nations Sustainable Development Goals (SDGs), illustrating the importance of catalysis in addressing major issues facing society both today and tomorrow.

For manuscript guidelines and to read the latest research and reviews, please visit https://www.cell.com/chem-catalysis. For Instructions for reviewers, visit https://www.cell.com/Reviewers.

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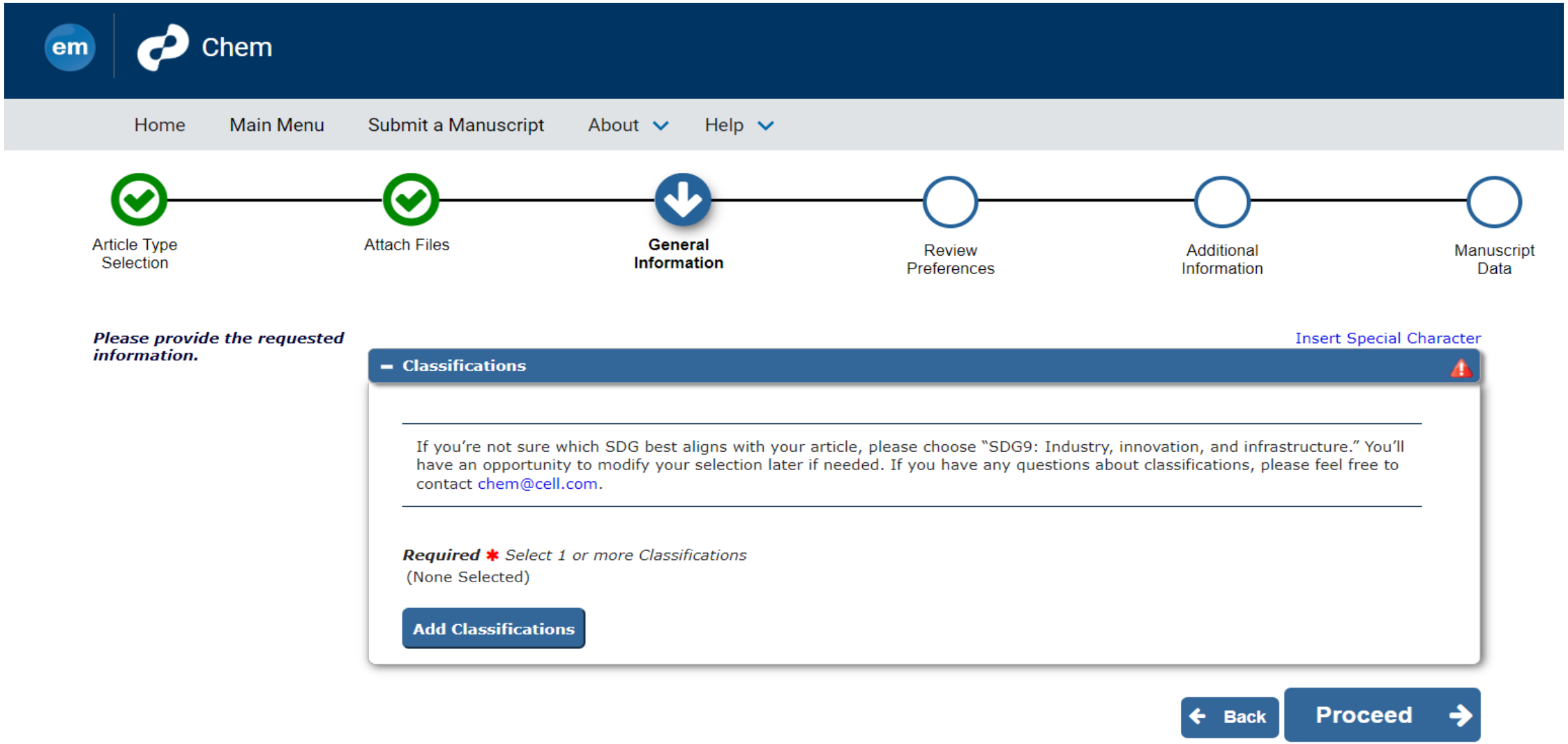
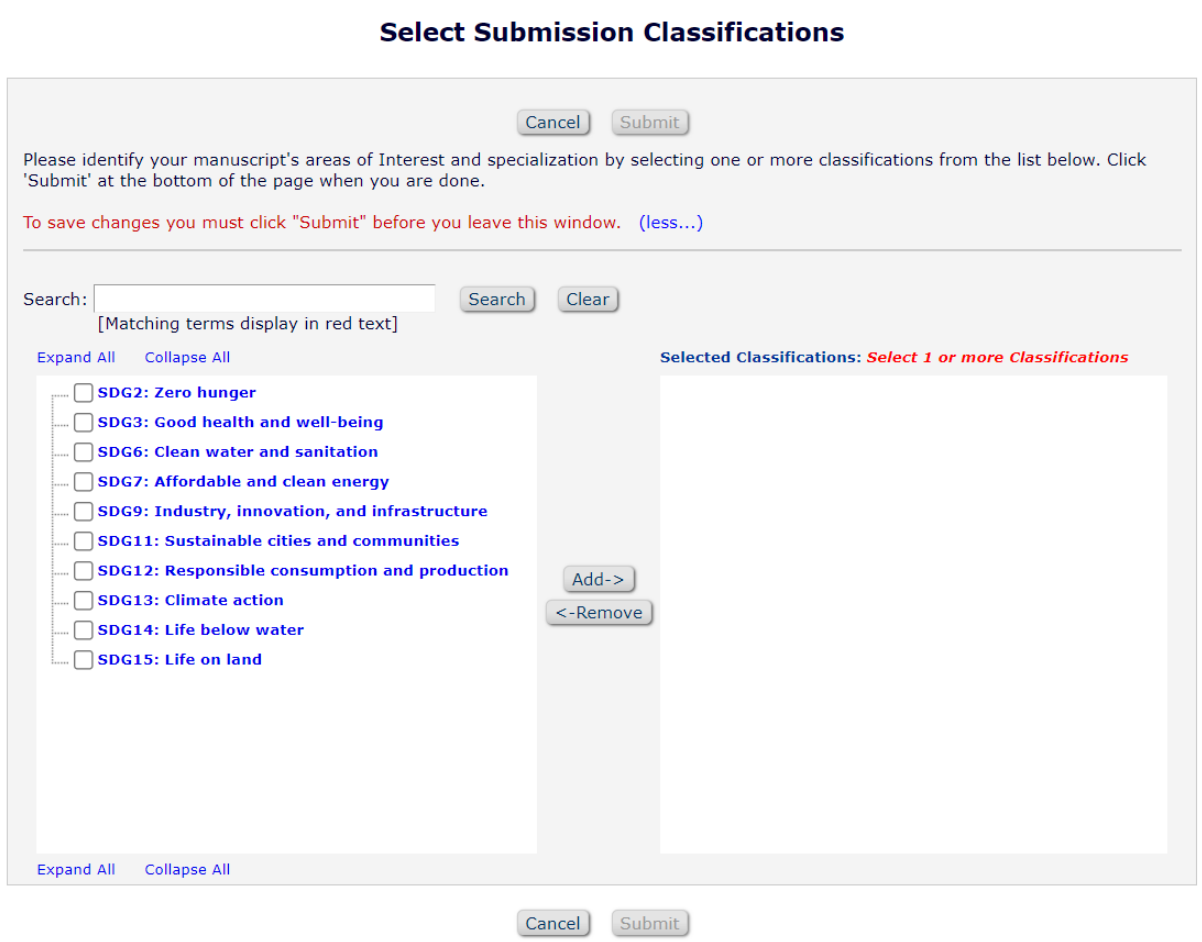
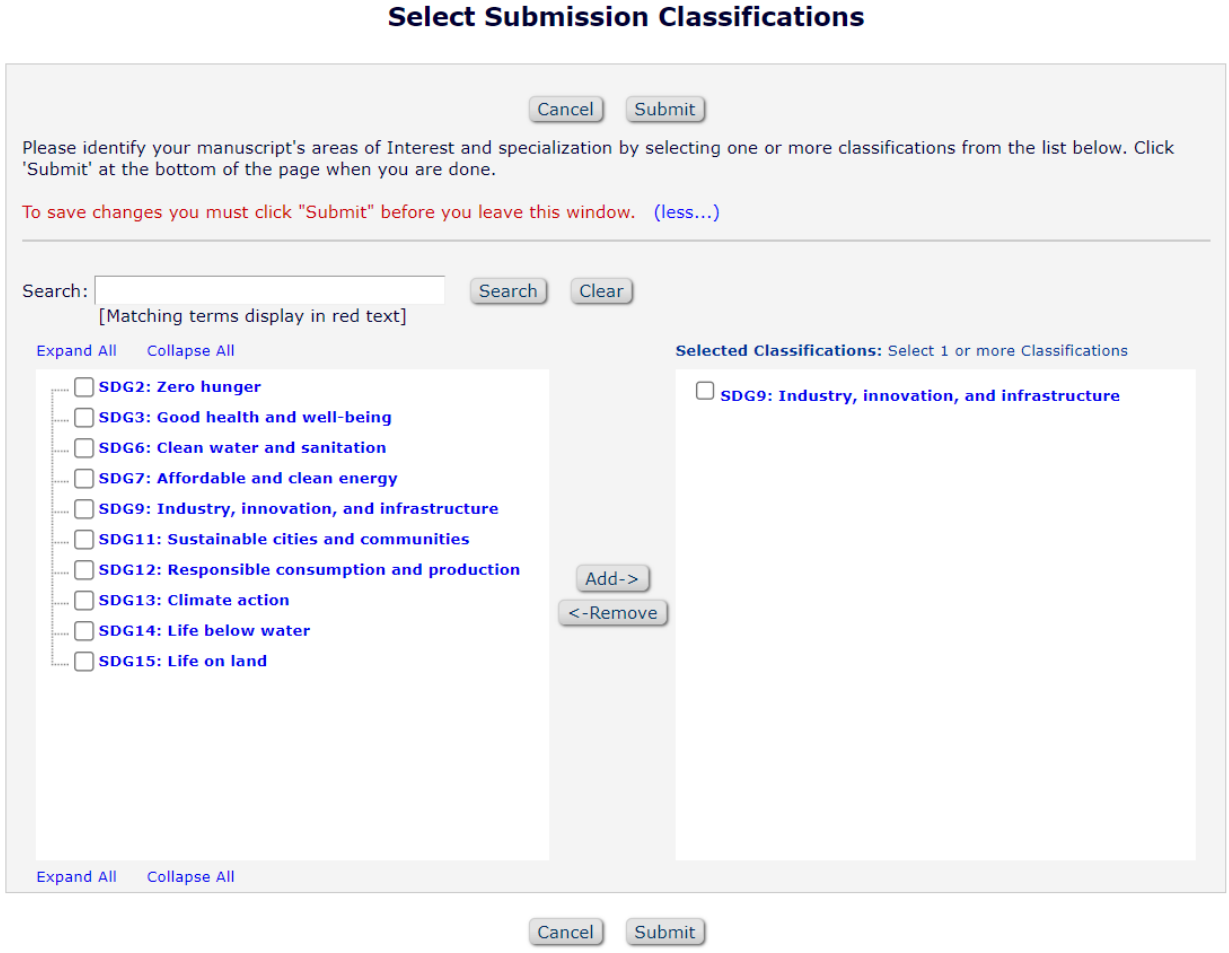
Submission Process: Author SDG Selection



Submission Process: Author SDG Selection





Published Article

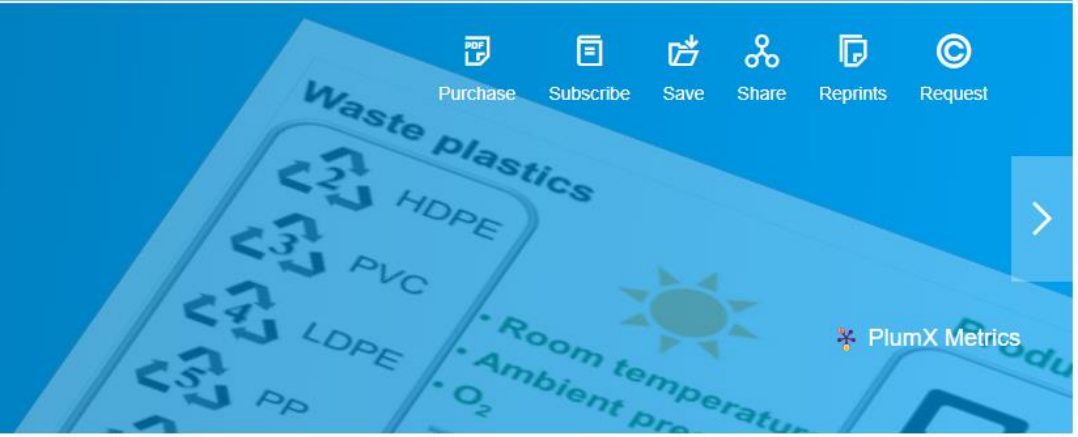
ARTICLE | VOLUME 9, ISSUE 9, P2683-2700, SEPTEMBER 14, 2023 Download Full Issue

Upcycling of non-biodegradable plastics by base metal photocatalysis

Chenfei Li • Xin Ying Kong • Maoping Lyu • ... Atsushi Goto • Michael B. Sullivan • Han Sen Soo [6] •

Show all authors • Show footnotes

Published: August 14, 2023 • DOI: https://doi.org/10.1016/j.chempr.2023.07.008 • Check for updates



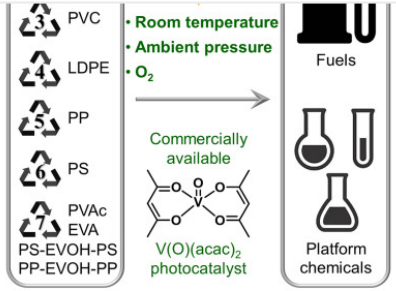
Highlights

- Non-biodegradable plastics of resin codes 2–7 and multilayered packaging are upcycled
- Visible light as energy source with affordable, commercial base metal photocatalyst
- Scalable flow reactions under ambient conditions to minimize greenhouse gas emissions
- Isolable yields of carboxylic acid platform chemicals and liquid organic H_2 carriers

Published Article

Chem Supports open access

Upcycling of non-biodegradable plastics by base metal photo…



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UN Sustainable Development Goals

SDG6: Clean water and sanitation • SDG7: Affordable and clean energy • SDG9: Industry, innovation, and infrastructure • SDG11: Sustainable cities and communities • SDG12: Responsible consumption and production

Keywords

non-biodegradable plastic upcycling • visible light photocatalysis • base metal vanadium catalysis • green chemistry • C–H oxidation • C–C cleavage • sustainable technology • waste management • circular economy • resource recovery

UN Sustainable Development Goals

SDG6: Clean water and sanitation • SDG7: Affordable and clean energy • SDG9: Industry, innovation, and infrastructure • SDG11: Sustainable cities and communities • SDG12: Responsible consumption and production

SDG Search

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From 2016 To 2023

Author

Chen, Jun	9
Wu, Jishan	7
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Han Hu, Bu Yuan Guan, Xiong Wen (David) Lou

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Weiting Yang, Xiao Wang, Shuyan Song, Hongjie Zhang

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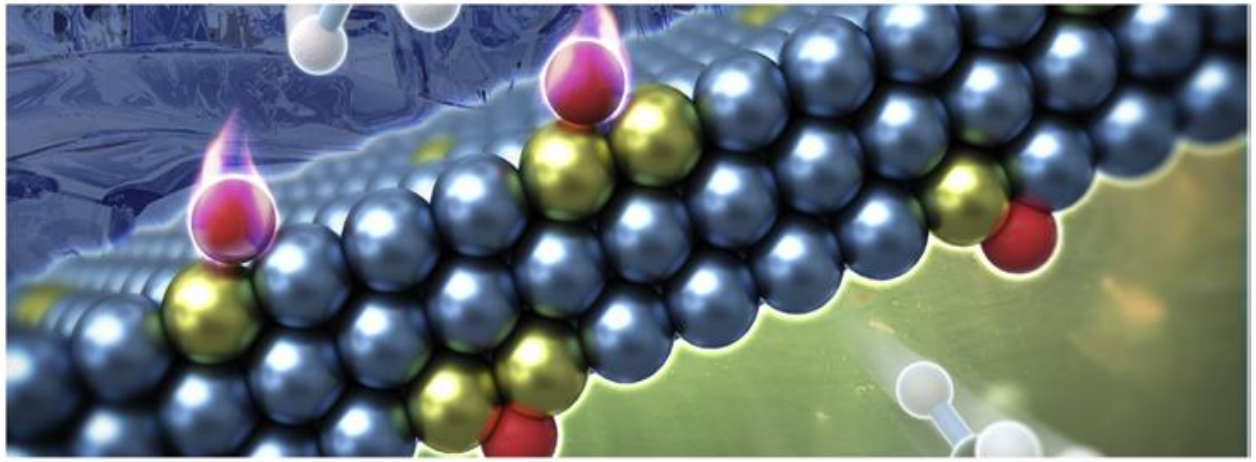
SDGs and In This Issue

- Editors also write an “In this Issue” to feature and summarize the content of the most interesting articles according to the editorial team.
- Articles are grouped based on the SDGs.
- This further highlights the SDGs connections to individual articles.



Affordable and clean energy

Fan et al., page 2253

Designing advanced catalysts for activation of CH_4 under mild conditions is the key to utilizing natural gas and producing value-added chemicals. In this issue of *Chem Catalysis*, Fan et al. fabricate ultra-thin Ru nanosheets with confined Cu atoms and demonstrate that highly efficient CH_4 conversion to liquid C1 oxygenates can be achieved over this kind of catalyst with superior productivity and selectivity under room temperature. Multiple spectroscopic analyses and calculations reveal that bi-coordinated bridge-site oxygen species generated on the Ru-edge-confined Cu sites dissociate the C–H bond and convert CH_4 via a free-radical mechanism.

Yuan et al., page 2302

The substitution of fossil energy with cheap and abundant biomass as feedstock for the production of high-value chemicals has drawn tremendous attention in catalysis. In this issue of *Chem Catalysis*, Yuan et al. establish alternative routes for accessing preservatives such as sorbate and benzoate over a DABCO catalyst with biobased malonate, crotonaldehyde, and acrolein as feedstocks. Life-cycle assessment indicates that this new method emits less greenhouse gas than the traditional synthesis strategy.

Ko et al., page 2312

Among various transition-metal-based catalysts for the oxygen evolution reaction, Ni-Fe-based electrocatalysts are attracting tremendous attention because of their cost effectiveness, excellent activity, and high stability. In this issue of *Chem Catalysis*, Ko et al. propose a facile and scaled-up one-pot route to synthesizing ultra-thin Ni-Fe layered double hydroxide nanosheets. Various *operando* analyses reveal the

Activity

Wang and Dong et al., page 2114

The Wang and Dong groups exchange their views on new opportunities and future directions for accurate synthesis and precise structure identification of single-atom catalysts.

Perspectives

Li et al., page 2140

Li et al. discuss the magnetic-field effect to improve the performance of water splitting and some other spin-sensitive energy-conversion reactions.

Gao et al., page 2150

Gao et al. review the recent progress and future opportunities for carbon-based metal-free electrocatalysts for various energy- and chemical-related reactions.

Thank you!

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TYLER RUSE

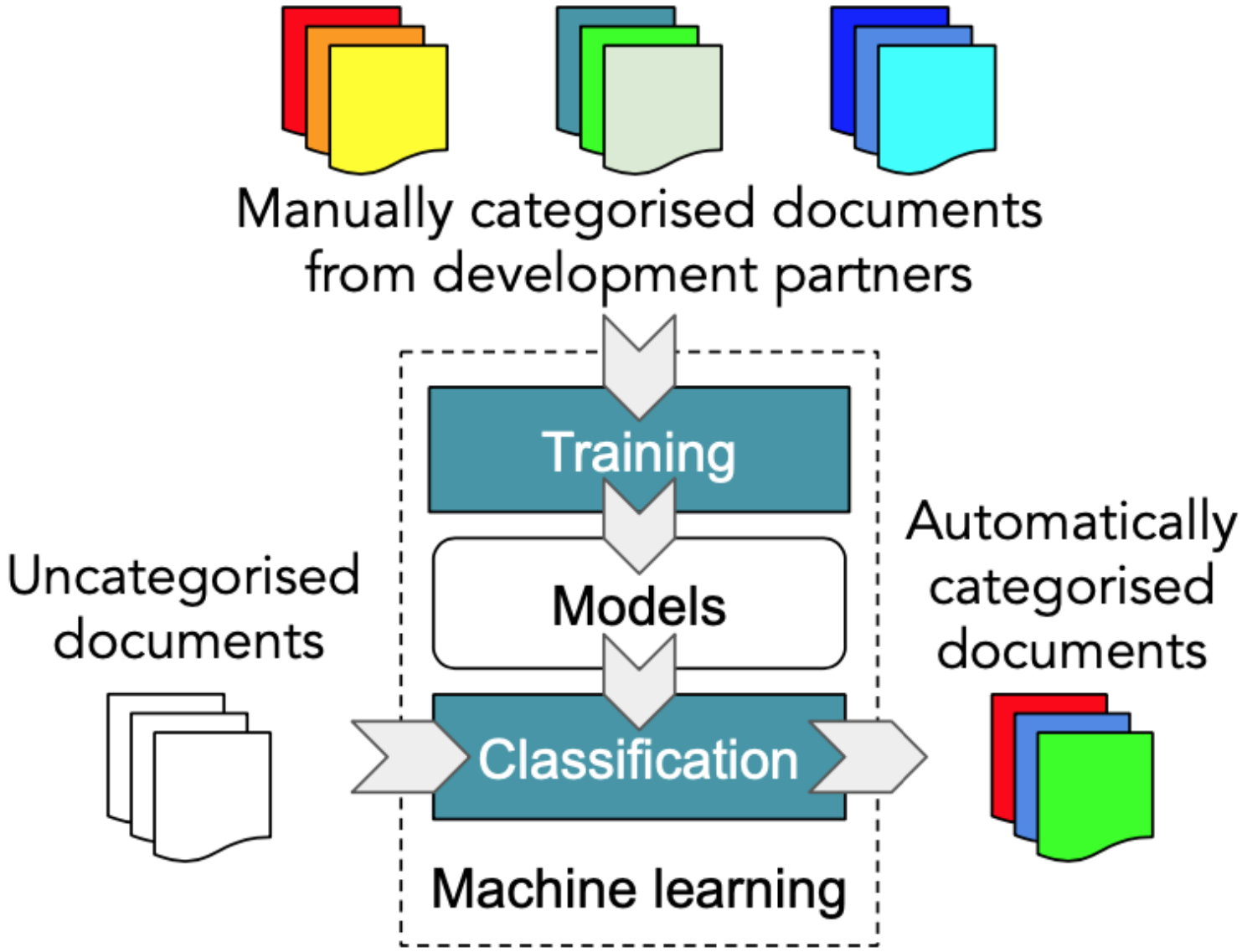
Digital Science

SDGs in the metadata: what's happening at Dimensions & where can we go

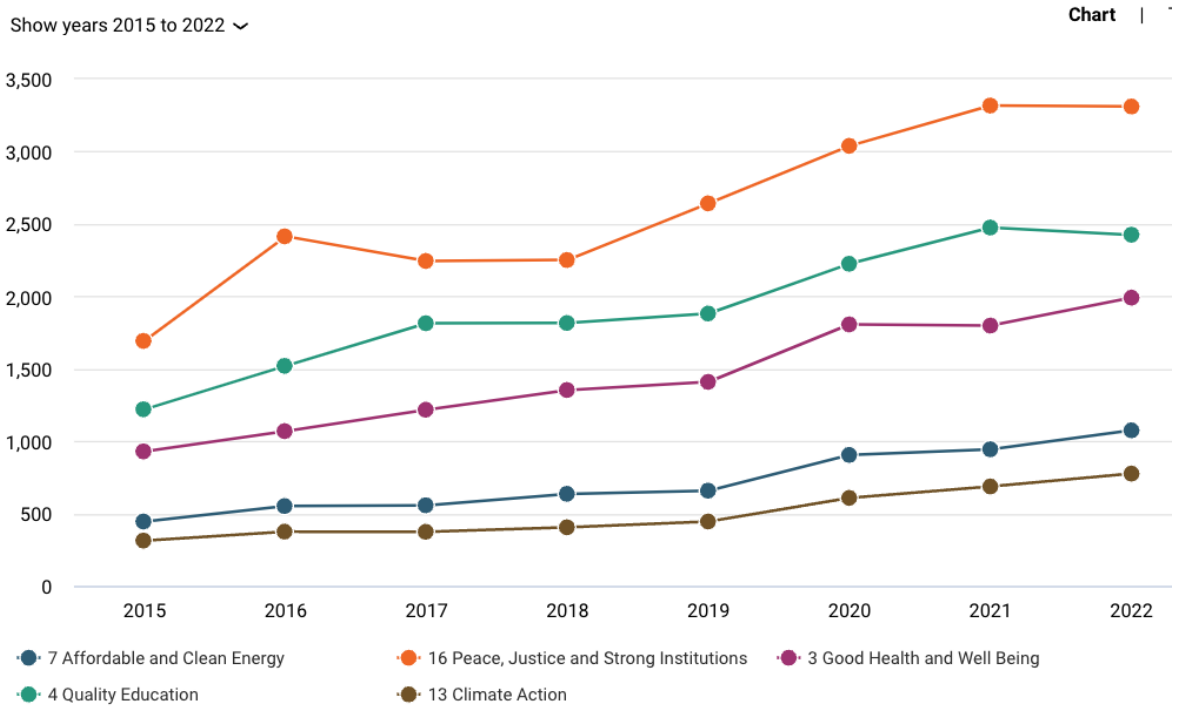
Dimensions

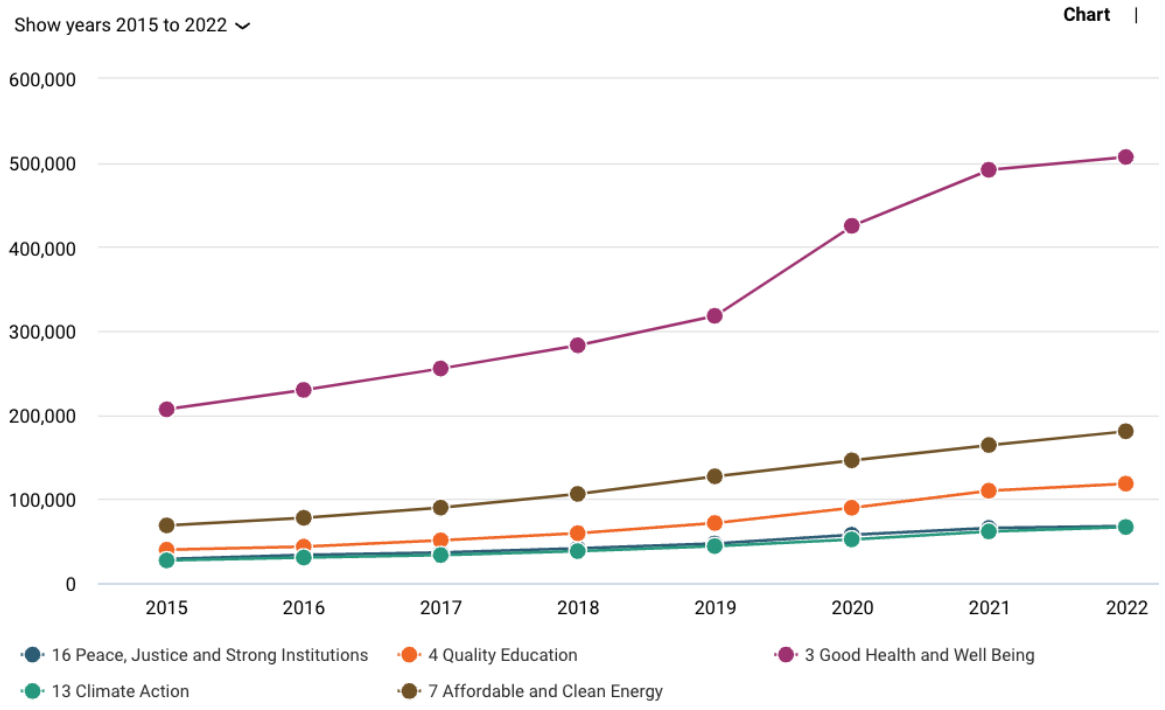
Hello

Automatic SDG Classification



SDGs in Dimensions





SDGs in Dimensions

Dimensions API

View API documentation

The Dimensions API provides access to Dimensions data directly, and makes it possible to retrieve results to precise and complex queries. These are performed using the Dimensions Search Language (DSL), our own domain specific language. DSL expresses queries using terms and structures relevant to the Dimensions data. Explore real-world applications of the API at the Dimensions API Lab, an open-source repository of Jupyter notebooks demonstrating how to carry out common scholarly analytics tasks.

Query

```
classify(
    title="Habitat considerations in optimal fisheries recovery",
    abstract="Fishery managers face an ongoing challenge in managing commercial fisheries in a way which enables the delivery of economic benefits while ensuring those benefits do not compromise the ability of fish stock to deliver future benefits. This challenge is complicated by fishing effort negatively impacting the habitats which support fish stocks and so undermining sustainability of the resource. Depletion of fish stocks and subsequent rebuilding efforts have necessitated the development of strategies which dictate harvest control mechanisms. In this paper, we explore the economically optimal design of these rebuilding strategies for a fishery depleted by overfishing and where the fishing effort results in a negative habitat externality. We assume the harvest control mechanisms include a harvest control rule and a no-take marine reserve and find that the economically optimal recovery of the stock will always incorporate both mechanisms, although the relative weight put on each will change according to biological and economic conditions. We find that the achievement of desired fishery outcomes is generally robust to "approximately optimal" specifications of the rebuilding strategy, except where the fishing habitat is vulnerable. In these conditions, it may be optimal to lead the population to extinction, via depletion of habitat.",
    system="SDG")
```

Run

Give Feedback

Results

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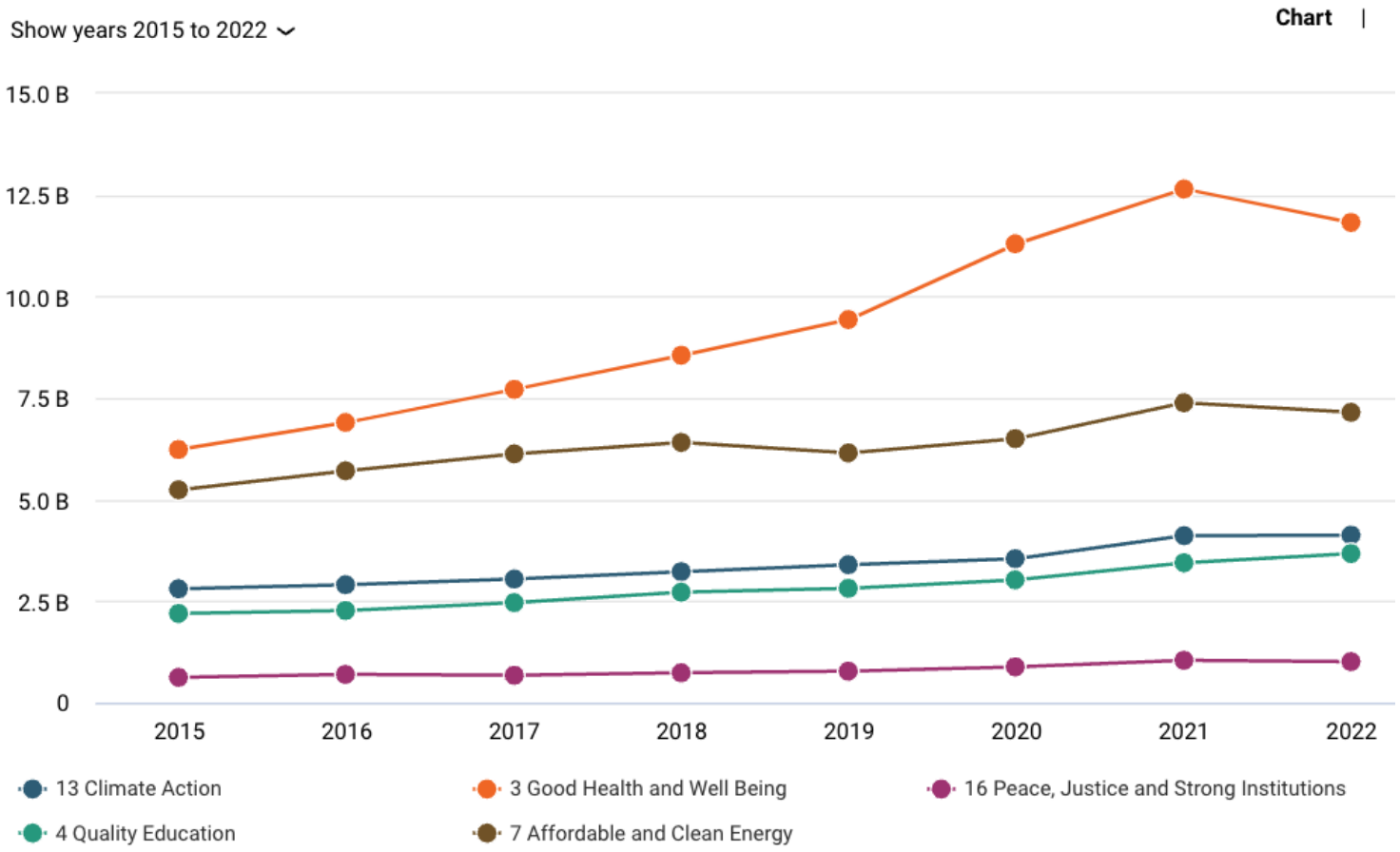
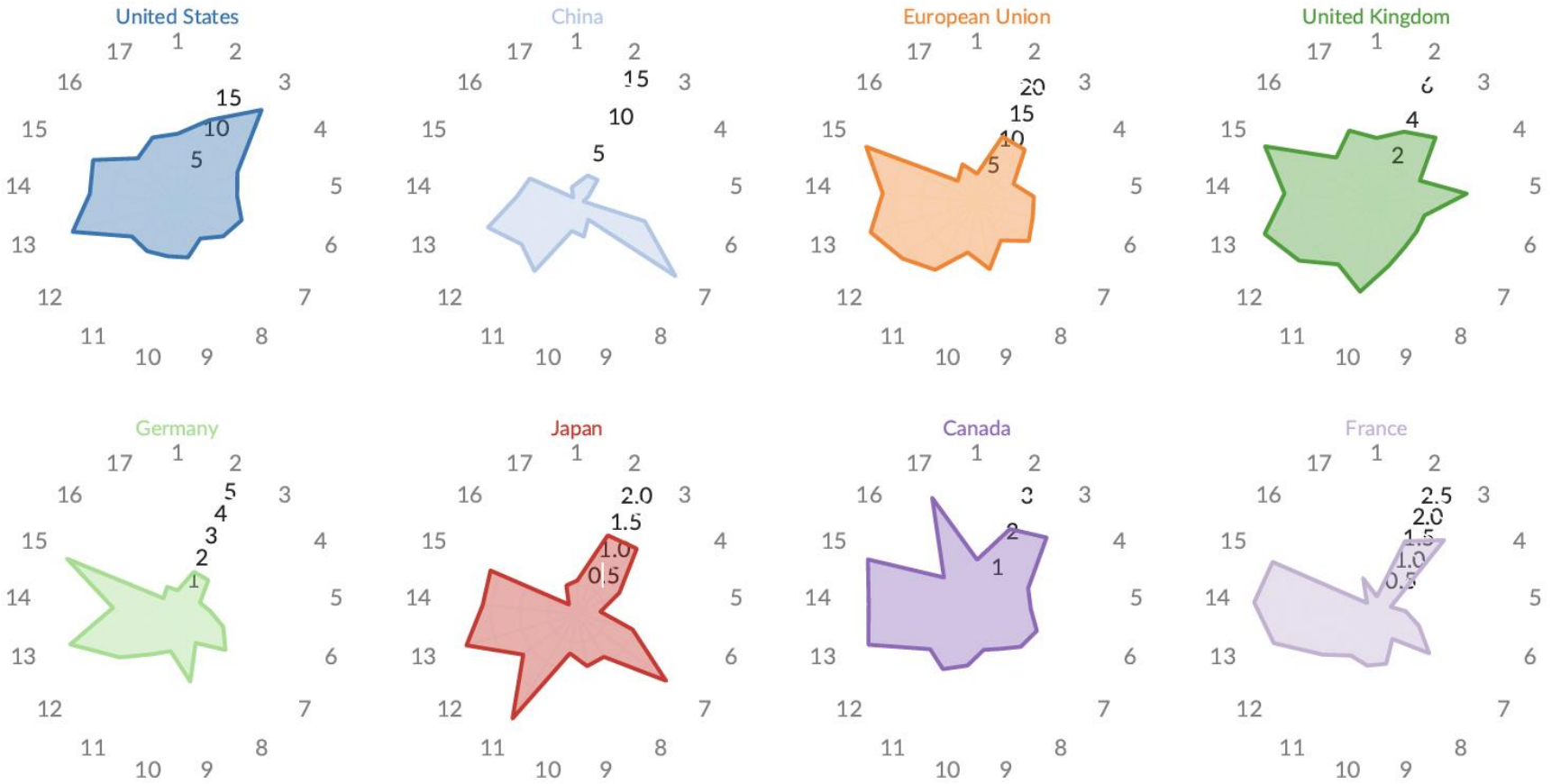
```
{ 1 item
  "SDG" : [ 1 item
    0 : { 2 items
      "id" : "40014"
      "name" : "14 Life Below Water"
    }
  ]
}
```

SDGs in Dimensions



SDGs in Dimensions

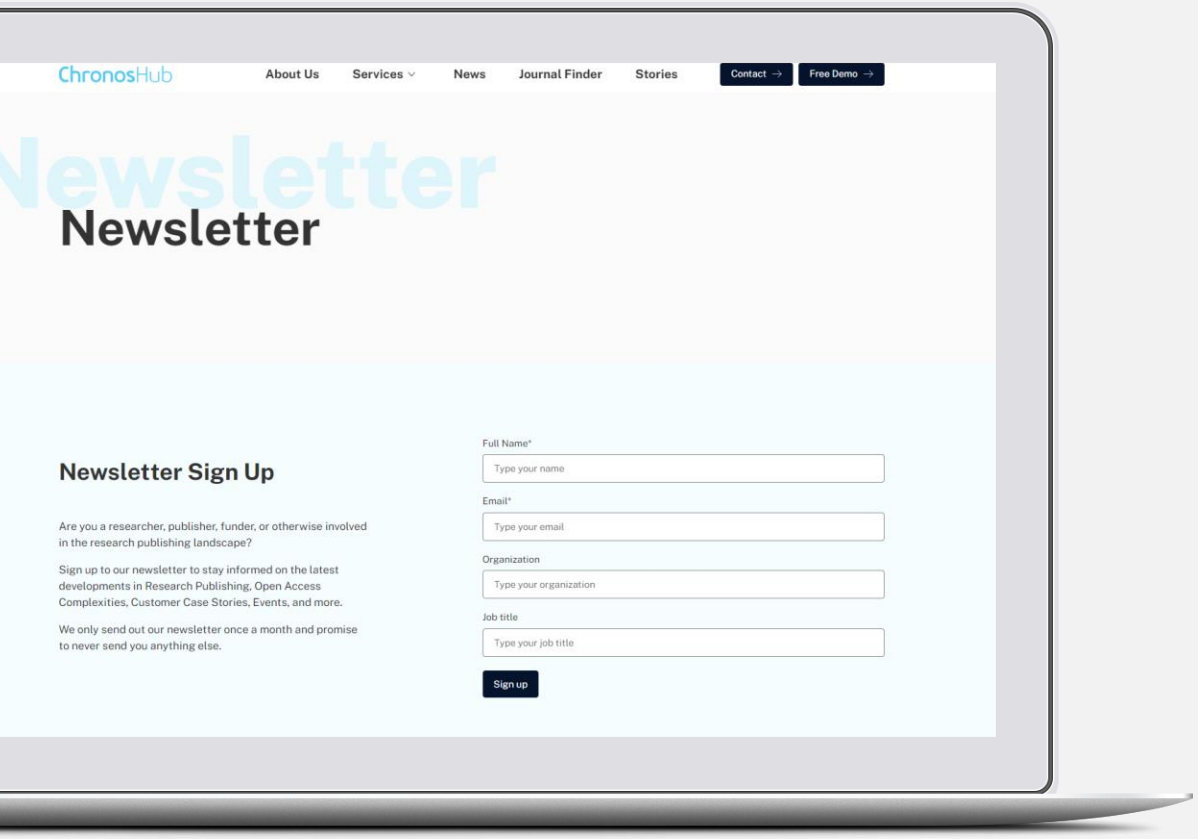


Dimensions

Thank You!

DISCUSSION& Q&A

What's next



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We only send out our newsletter once a month – less is much more.

Newsletter: https://chronoshub.io/newsletter/
Event list: https://chronoshub.io/events/

Upcoming Events

Educational Webinars

Frankfurt Book Fair 2023

We are attending Frankfurt Book Fair 2023!

HOSTED BY

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Getting to Open

Open access is a common end goal for many stakeholders in scholarly communications. But how will we get there? In this webinar, we'll hear about different approaches on how to get to open, from a l...

AI for a better user experience

AI seems to be the topic of the year and we have saved best for last. In this webinar, we'll focus on how AI can be used to create better and more intelligent workflows, determining what informati...

Source https://chronoshub.io/events

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