Publication ethics, research integrity, and climbing mountains

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What’s your mountain?
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PUBLISHING: ADVANCING DISCOVERY
Open access (OA) publishing extends the reach of the research we publish to address the world’s urgent challenges

• Published over 800,000 pieces of SDG-related research since 2015.

• More than 1,400 SDG-related policy documents cited Springer Nature research in 2022.

• Global SDG Impact Festival in 2022 involved hundreds of colleagues taking collective steps to personal carbon emissions.

• Focus on three SDGs; and publish across all 17.

SDGs are mountains to climb
Ever increasing demand from researchers for publishing is another mountain.
Or perhaps you’re thinking about peak retraction.
For context, growth rate in retractions is steep but here are overall numbers from 2022:

- Publications in Dimensions, 2022: 7,000,000
- Records in Retraction Watch Database, 2022: 6000
Found your mountain?
Paper mills: This is a fake article

Author 1 position for sale
Author 2 position for sale
Author 3 position for sale
Author 4 position for sale
Author 5 position for sale

The characteristics of rainfall in coastal areas and the intelligent library book push system oriented to the Internet of Things.
AI intensifies fight against ‘paper mills’ that churn out fake research

Text- and image-generating tools present a new hurdle for efforts to tackle the growing number of fake papers making their way into the academic literature.

Layal Liverpool
A shared challenge needs a shared solution
The UNITED2ACT SUMMIT is a virtual gathering of international stakeholders working collaboratively to address the collective challenge of paper mills in scholarly publishing.
140+ members
Academic publishers focused on science, technology, medicine, social sciences, and humanities

66% of articles
Our members collectively publish 66% of all journal articles

20 countries
STM spans the globe — made up of publishers of all shapes and sizes

About STM
STM is the standard bearer for the academic publishing industry, working with our members to advance trusted research worldwide. We are committed to ensuring that the great discoveries of our time are communicated with pinpoint accuracy, clarity and integrity. We champion innovation across academic research, stimulating the development of new technologies and guidance on universal standards.
STM Integrity Hub

“To equip the scholarly communication community with data, intelligence, and technology to protect research integrity”
The Integrity Hub is organized in Working Groups, Task Forces, and a Governance Board.
Do The Right Thing

Courtesy of Retraction Watch

When one of the involved parties does something admirable
Maybe we can do something to ‘turn up the volume’ on Do The Right Thing stories.
Earlier this month, we reported on how Susanne Stoll, a graduate student in the Department of Experimental Psychology at the University College London, discovered an error that toppled a highly-cited 2014 article — and which might affect hundreds of other papers in the field of perception.

https://retractionwatch.com/2020/12/23/i-thought-i-had-messed-up-my-experiment-how-a-grad-student-discovered-an-error-that-might-affect-hundreds-of-papers
Nobel winner retracts paper from Science

A Caltech researcher who shared the 2018 Nobel Prize in Chemistry has retracted a 2019 paper after being unable to replicate the results.

Frances Arnold, who won half of the 2018 prize for her work on the evolution of enzymes, tweeted the news earlier today:

https://retractionwatch.com/2020/01/02/nobel-winner-retracts-paper-from-science/
In September 2019 Nicola Smith, a molecular pharmacologist in Australia, faced a brutal decision. She’d realized that she’d made a mistake — or rather, failed to catch a mistake in her group’s research before the crippling error was published in two academic articles which were the culmination of years of work. And she could either tell the world, or pretend it never happened.

She did the right thing.
Thank you!