

THE
BRITISH JOURNAL
FOR THE
PHILOSOPHY
OF
SCIENCE

ANNUAL REPORT
2024



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OVERVIEW

BJPS POPPER PRIZE 2023

The BJPS Popper Prize is awarded to the article judged to be the best published in that year's volume of the Journal, as determined by the Co-Editors-in-Chief and the BSPS Committee.

JAMES DIFRISCO

'Toward a Theory of Homology: Development and the De-coupling of Morphological and Molecular Evolution',

British Journal for the Philosophy of Science,
2023, 74, pp. 771–810

EDITORS' CITATION

The concept of homology—concerning the sameness of characters across groups of organisms—has long played a central role in biological reasoning. In recent decades, it has been argued that a new theory of homology is needed, which goes beyond phylogeny to take account of organismal development, especially developmental mechanisms. Such a theory is needed, it is claimed, in order to identify and individuate homologues and to explain the phenomenon of homology. In 'Toward a Theory of Homology: Development and the De-coupling of Morphological and Molecular Evolution', James DiFrisco addresses a significant challenge to the construction of a successful developmental theory of homology: the fact that developmental mechanisms and phenotypic characters can be de-coupled in evolution to a significant degree. The occurrence of this de-coupling via evolutionary change in the genes and/or network underlying the same character in related taxa is known as developmental system drift (DSD). Synthesizing a wide range of empirical and theoretical findings, DiFrisco offers a qualitative model of the factors and causal processes at work in DSD and argues that DSD is a widespread phenomenon that might well be (probabilistically) predictable. Far from undermining the possibility of a successful theory of homology, this points to the need for a broader, integrative theory that encompasses multiple explanatory models—a theory that can provide developmental–genetic explanations when they apply but, guided by models of DSD, can seek other explanations, such as stabilizing selection, when necessary. DiFrisco goes on to argue that this integrative approach will be most successful if the different explanatory models and perspectives share the same definition and criteria of homology. In other words, alongside a pluralism regarding explanatory models, there should be monism regarding definitions and criteria of homology.

For its impressive contribution to the theory of homology, informed by a masterful synthesis of wide-ranging work on this important topic, the BJPS Co-Editors-in-Chief and the BSPS Committee finds 'Toward a Theory of Homology' to be worthy of the 2023 Popper Prize.

Wendy Parker & Robert Rupert
Co-Editors-in-Chief

1 Evidential Probabilities

- and Credences

ANNA-MARIA ASUNTA EDER

The Value of Biased Information

NILANJAN DAS

Essentially Ergodic Behaviour

PAULA REICHERT

Self-Assembling Games and the Evolution of Saliency

JEFFREY A BARRETT

The Kalām Cosmological Argument Meets the Mentaculus

DAN LINFORD

Varieties of Error and Varieties of Evidence in Scientific Inference

BARBARA OSIMANI & JÜRGEN LANDES

Boolean Difference-Making

MICHAEL BAUMGARTNER & CHRISTOPH FALK

Conventionality and Causality in Lewis-Type Evolutionary

Prediction Games

GORDON MICHAEL PURVES

EDITORS' CHOICE

Explanatory Distance

ELANOR TAYLOR

Anti-reductionist Interventionism

REUBEN STERN & BENJAMIN EVA

Comparing Mathematical Explanations

ISAAC WILHELM

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Evidence in Default

MIKE DACEY

Epistemic Engagement, Aesthetic Value, and Scientific Practice

ADRIAN CURRIE

Classical Particle Indistinguishability, Precisely

JAMES WILLS

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NADIA RUIZ & ARMIN W SCHULZ

Explaining the Success of Induction

IGOR DOUVEN

The PC Algorithm and the Inference to Constitution

LORENZO CASINI & MICHAEL BAUMGARTNER

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SHARON BERRY

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The Kalām Cosmological Argument Meets the Mentaculus

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ALFONSO GARCÍA-LAPEÑA

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CAMERON BUCKNER

EDITORS' CHOICE

Science Communication and the Problematic Impact of Descriptive Norms

UWE PETERS

Analogue Computation and Representation

COREY J MALEY

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JAMES DIFRISCO

Monothematic Delusions and the Limits of Rationality

ADAM BRADLEY & QUINN HIROSHI GIBSON

4 Quantum Mechanics: Keeping It Real?

• CRAIG CALLENDER

The Unreasonable Effectiveness of Physics in Mathematics

DANIELE MOLININI

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Digital Literature Analysis for Empirical Philosophy of Science

OLIVER M LEAN, LUCA RIVELLI & CHARLES H PENCE

Law-Abiding Causal Decision Theory

TIMOTHY L WILLIAMSON & ALEXANDER SANDGREN

Putting History Back into Mechanisms

JUSTIN GARSON

Epistemic Dependence and Understanding

JOSH HUNT

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JOE GOUGH

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SHAHIN KAVEH

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YACIN HAMAMI

Un-debunking Ordinary Objects with the Help of Predictive Processing

PAWEŁ GŁADZIEJEWSKI

The Coalescence Approach to Inequivalent Representation

CASPAR JACOBS

RANKINGS

MOST CITED PAPERS

BJPS PAPERS CITED IN 2023; PUBLISHED ANYTIME

AUTHOR(S)	TITLE
CARL F CRAVER & DAVID M KAPLAN	ARE MORE DETAILS BETTER? ON THE NORMS OF COMPLETENESS FOR MECHANISTIC EXPLANATIONS (2020)
J BRENDAN RITCHIE, D M KAPLAN & COLIN KLEIN	DECODING THE BRAIN: NEURAL REPRESENTATION AND THE LIMITS OF MULTIVARIATE PATTERN ANALYSIS IN COGNITIVE NEUROSCIENCE (2019)
EMILY SULLIVAN	UNDERSTANDING FROM MACHINE LEARNING MODELS (2022)
REMCO HEESEN & LIAM KOFI BRIGHT	IS PEER REVIEW A GOOD IDEA? (2021)
MATTEO COLOMBO, LEE ELKIN & STEPHAN HARTMANN	BEING REALIST ABOUT BAYES, AND THE PREDICTIVE PROCESSING THEORY OF MIND (2021)
PORTER WILLIAMS	SCIENTIFIC REALISM MADE EFFECTIVE (2019)
LAUREN N ROSS	CAUSAL CONCEPTS IN BIOLOGY: HOW PATHWAYS DIFFER FROM MECHANISMS AND WHY IT MATTERS (2021)
S ANDREW SCHROEDER	DEMOCRATIC VALUES: A BETTER FOUNDATION FOR PUBLIC TRUST IN SCIENCE (2021)
CHRIS DORST	TOWARDS A BEST PREDICTIVE SYSTEM ACCOUNT OF LAWS OF NATURE (2019)
COLLIN RICE	MODELS DONT DECOMPOSE THAT WAY: A HOLISTIC VIEW OF IDEALIZED MODELS (2019)

MOST CITED PAPERS

BJPS PAPERS CITED IN 2023; PUBLISHED IN 2023

AUTHOR(S)	TITLE
MICHAEL BAUMGARTNER & CHRISTOPH FALK	BOOLEAN DIFFERENCE-MAKING: A MODERN REGULARITY THEORY OF CAUSATION
ANNA-MARIA ASUNTA EDER	EVIDENTIAL PROBABILITIES AND CREDENCES
CAMERON BUCKNER	CONSERVING FUNCTIONS ACROSS GENERATIONS: HEREDITY IN LIGHT OF BIOLOGICAL ORGANIZATION
NILANJAN DAS	THE VALUE OF BIASED INFORMATION
GERARDO S CIEPIELEWSKI, ELIAS OKON & DANIEL SUDARSKY	ON SUPERDETERMINISTIC REJECTIONS OF SETTINGS INDEPENDENCE
ADRIAN CURRIE	EPISTEMIC ENGAGEMENT, AESTHETIC VALUE, AND SCIENTIFIC PRACTICE
COREY J MALEY	ANALOGUE COMPUTATION AND REPRESENTATION
IGOR DOUVEN	EXPLAINING THE SUCCESS OF INDUCTION
JOE GOUGH	ON THE PROPER EPISTEMOLOGY OF THE MENTAL FOR PSYCHIATRY: WHAT'S THE POINT OF UNDERSTANDING AND EXPLAINING?
MARCIN MILKOWSKI	CORRESPONDENCE THEORY OF SEMANTIC INFORMATION
AUGUSTIN BAAS & BAPTISTE LE BIHAN	WHAT DOES THE WORLD LOOK LIKE ACCORDING TO SUPERDETERMINISM?

JOURNAL IMPACT FACTOR

TITLE	2023 JIF
British Journal for the Philosophy of Science	3.2
Noûs	1.8
Mind	1.8
Biology & Philosophy	1.7
History & Philosophy of the Life Sciences	1.6
European Journal for Philosophy of Science	1.5
Philosophy of Science	1.4
Studies in the History & Philosophy of Science	1.4
Synthese	1.3
Journal for General Philosophy of Science	1.2
Philosophy and Phenomenological Research	1.3

SCIMAGO JOURNAL RANKINGS

TITLE	SJR	H-index
Philosophical Review	6.146	65
Noûs	2.783	83
Philosophy and Phenomenological Research	1.924	55
Journal of Philosophy	1.919	63
Mind	1.615	66
British Journal for the Philosophy of Science	1.446	66
Australasian Journal of Philosophy	1.302	53
Analysis	0.941	53
Synthese	0.932	83
Biology and Philosophy	0.828	58
Philosophy of Science	0.793	84

GOOGLE SCHOLAR METRICS

TITLE	H5- INDEX	H5- MEDIAN
Synthese	54	76
British Journal for the Philosophy of Science	39	56
Noûs	39	54
Philosophical Studies	36	55
Philosophy & Phenomenological Research	34	47
Phenomenology & the Cognitive Sciences	31	44
Mind	30	51
Philosophy of Science	27	36
Erkenntnis	25	34
Studies in History and Philosophy of Science B	24	32
Studies in History and Philosophy of Science A	23	36
European Journal for Philosophy of Science	22	35
History and Philosophy of the Life Sciences	18	24
Journal for General Philosophy of Science	15	20
Studies in History and Philosophy of Science C	14	19

SUBMISSIONS

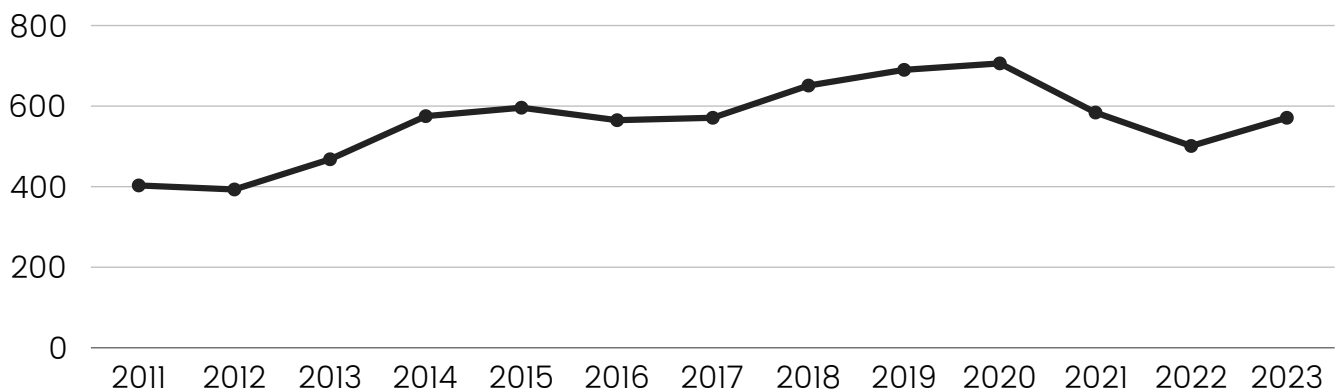


OVERVIEW

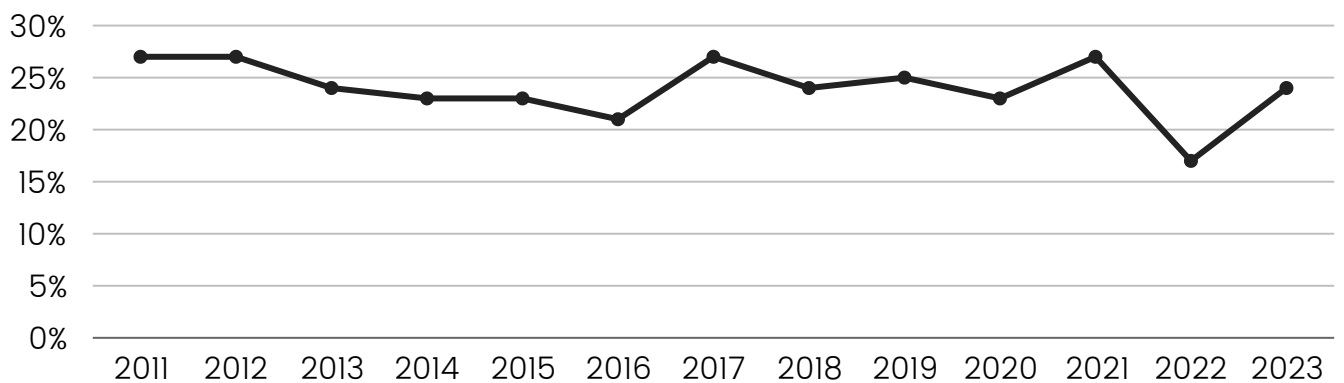
SUBMISSIONS

TOTAL SUBMISSIONS	571
ORIGINALS	435
RESUBMISSIONS	136
ACCEPTANCE RATE	9.5%

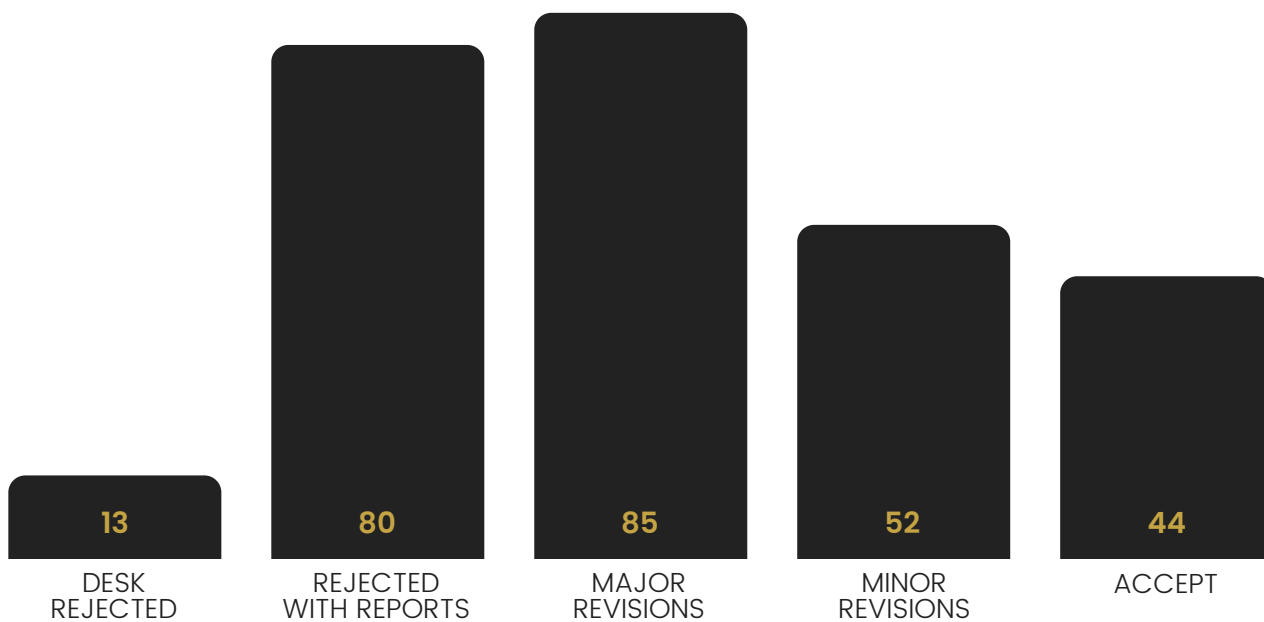
SUBMISSIONS PER YEAR



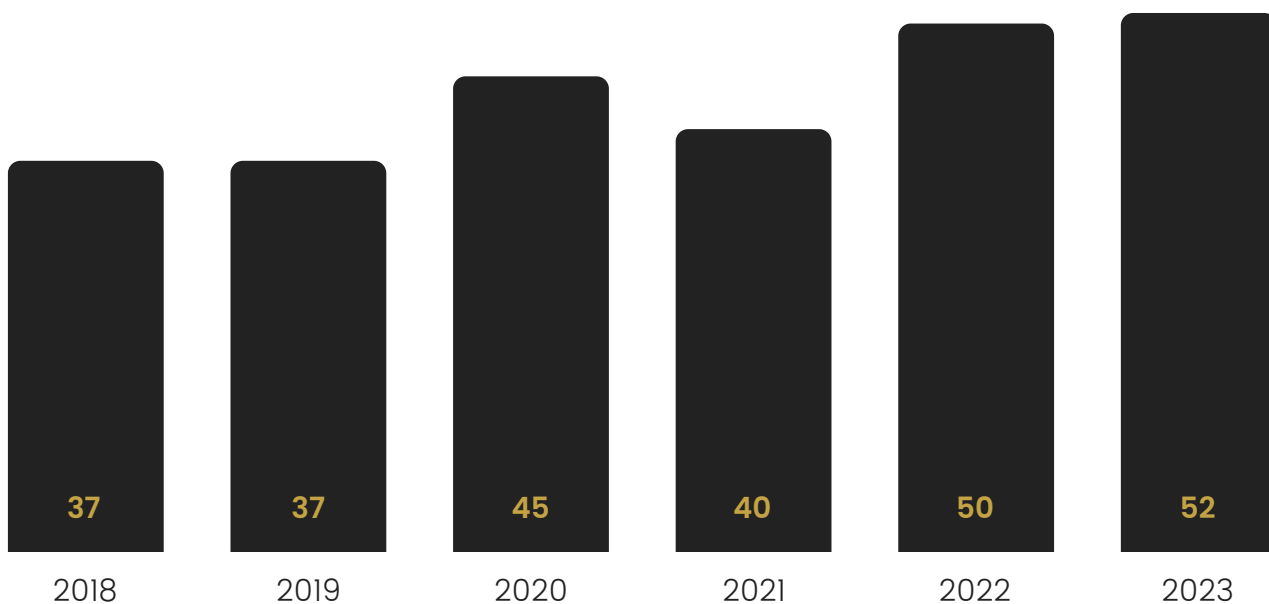
RE-SUBMISSIONS PER YEAR AS A PERCENTAGE OF OVERALL SUBMISSIONS



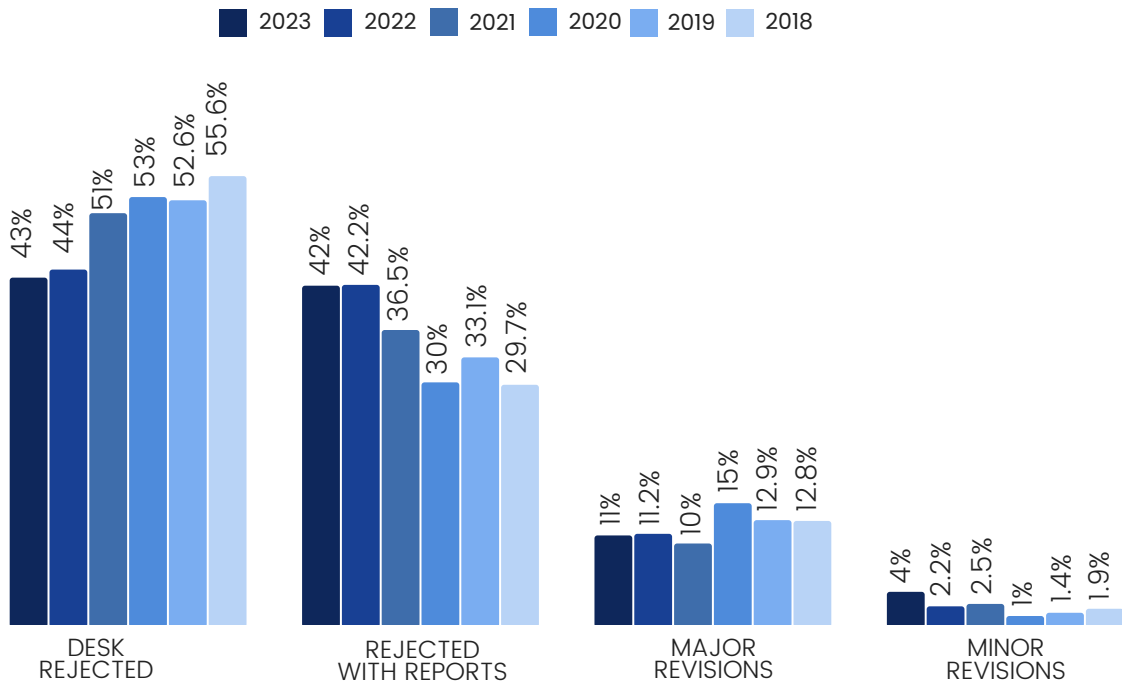
AVERAGE NUMBER OF DAYS TO DECISION PER DECISION-TYPE 2023



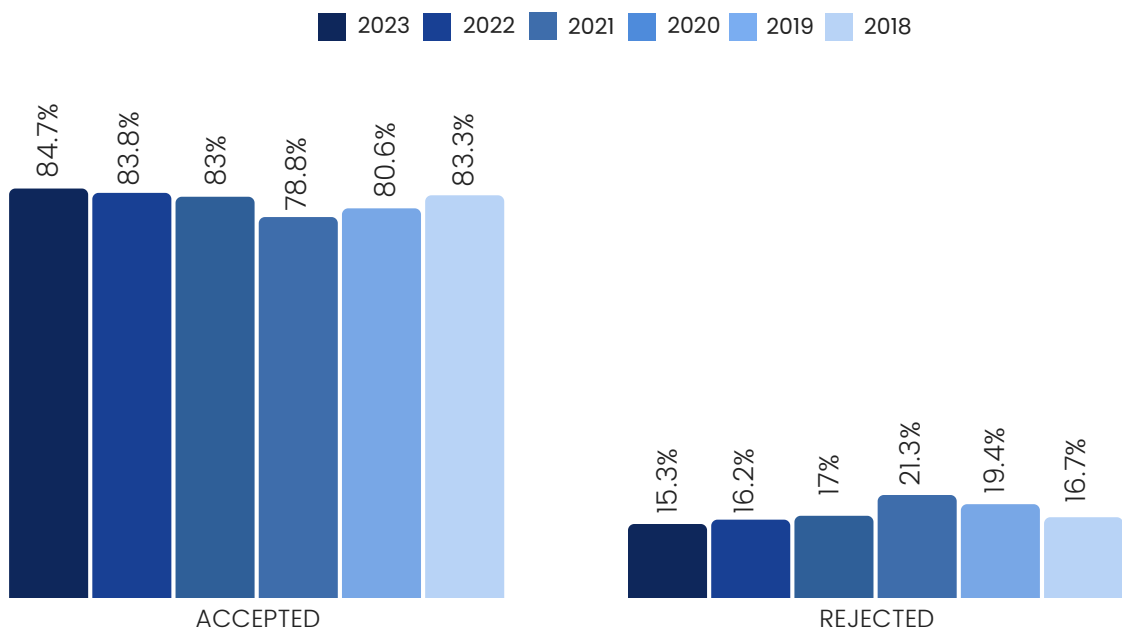
AVERAGE NUMBER OF DAYS TO DECISION PER YEAR



FIRST-ROUND OUTCOMES PER YEAR



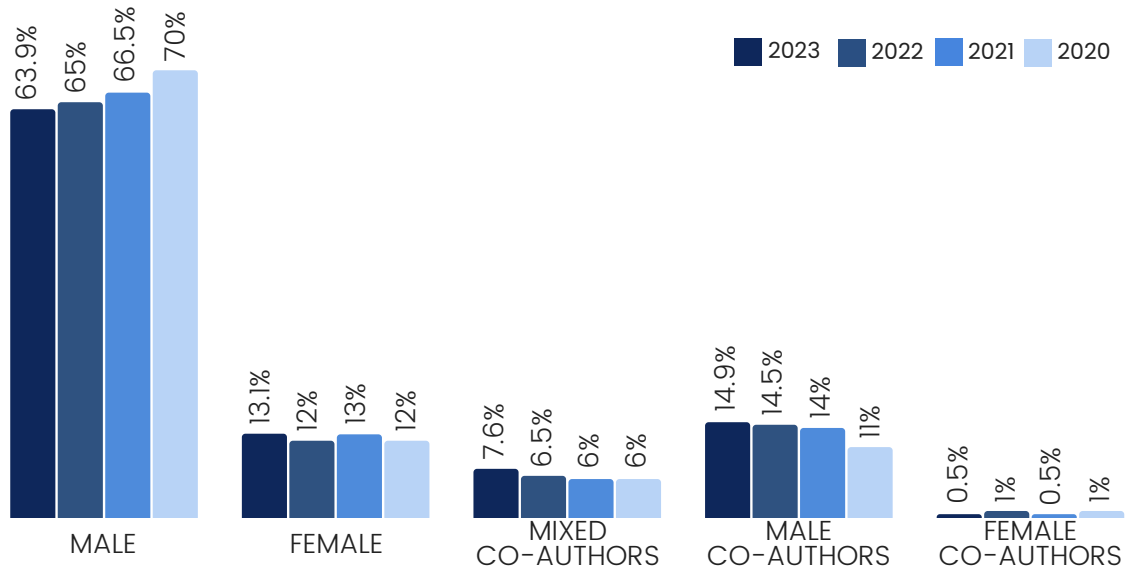
POST-R&R OUTCOMES PER YEAR



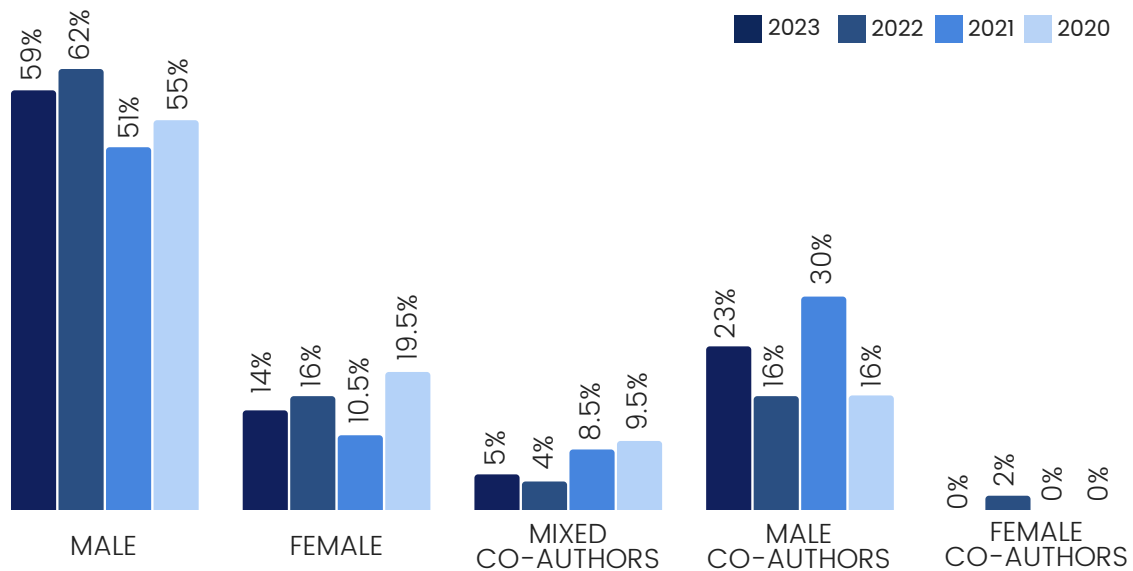
AUTHORS

SEX

SUBMITTED PAPERS



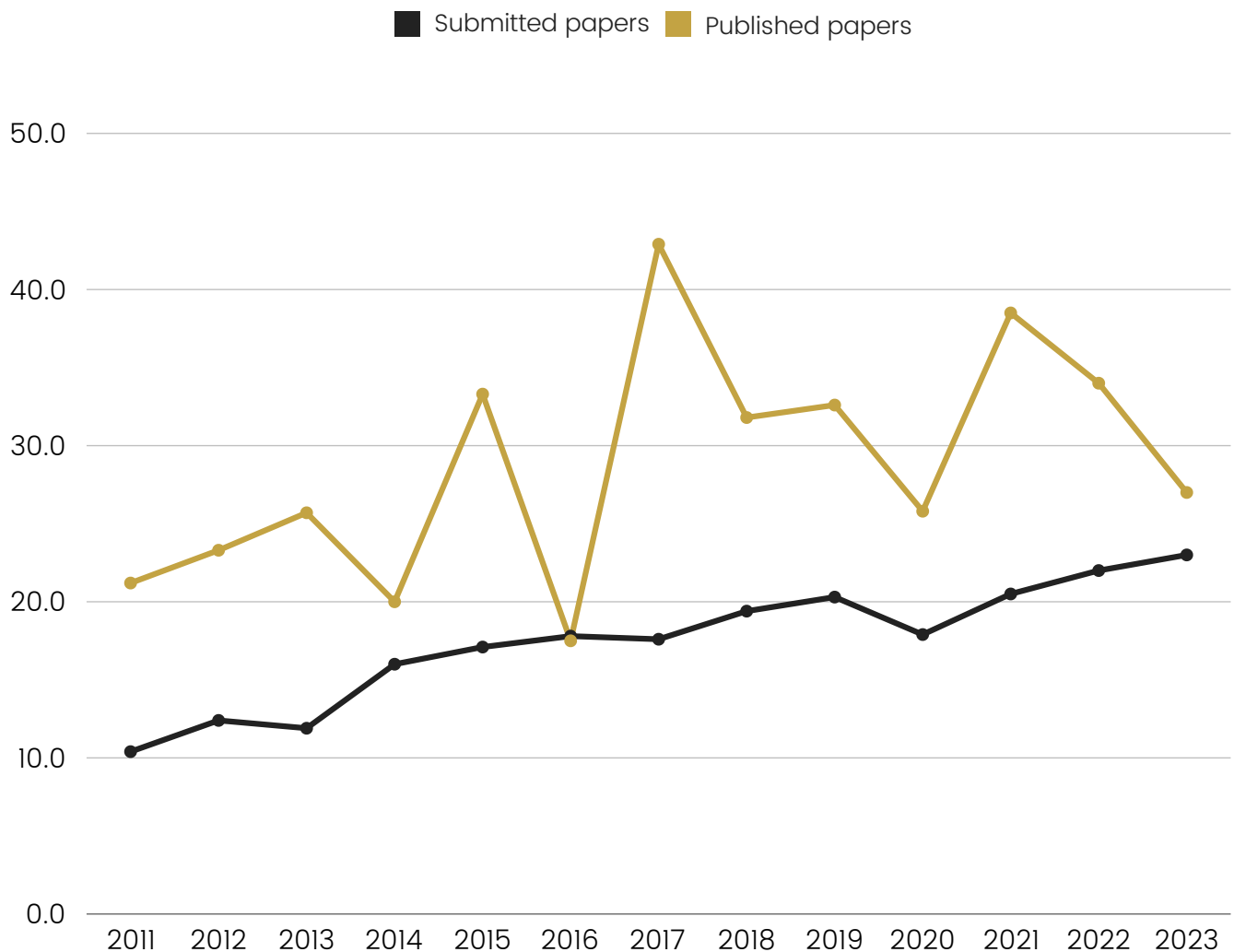
PUBLISHED PAPERS



Notes

- Numbers of published papers are small, so more prone to noise
- Published papers and submitted papers form non-overlapping sets here, given the time lag involved in a paper moving from initial submission to publication. As a result, any comparison between submission and publication figures will not be straightforward.

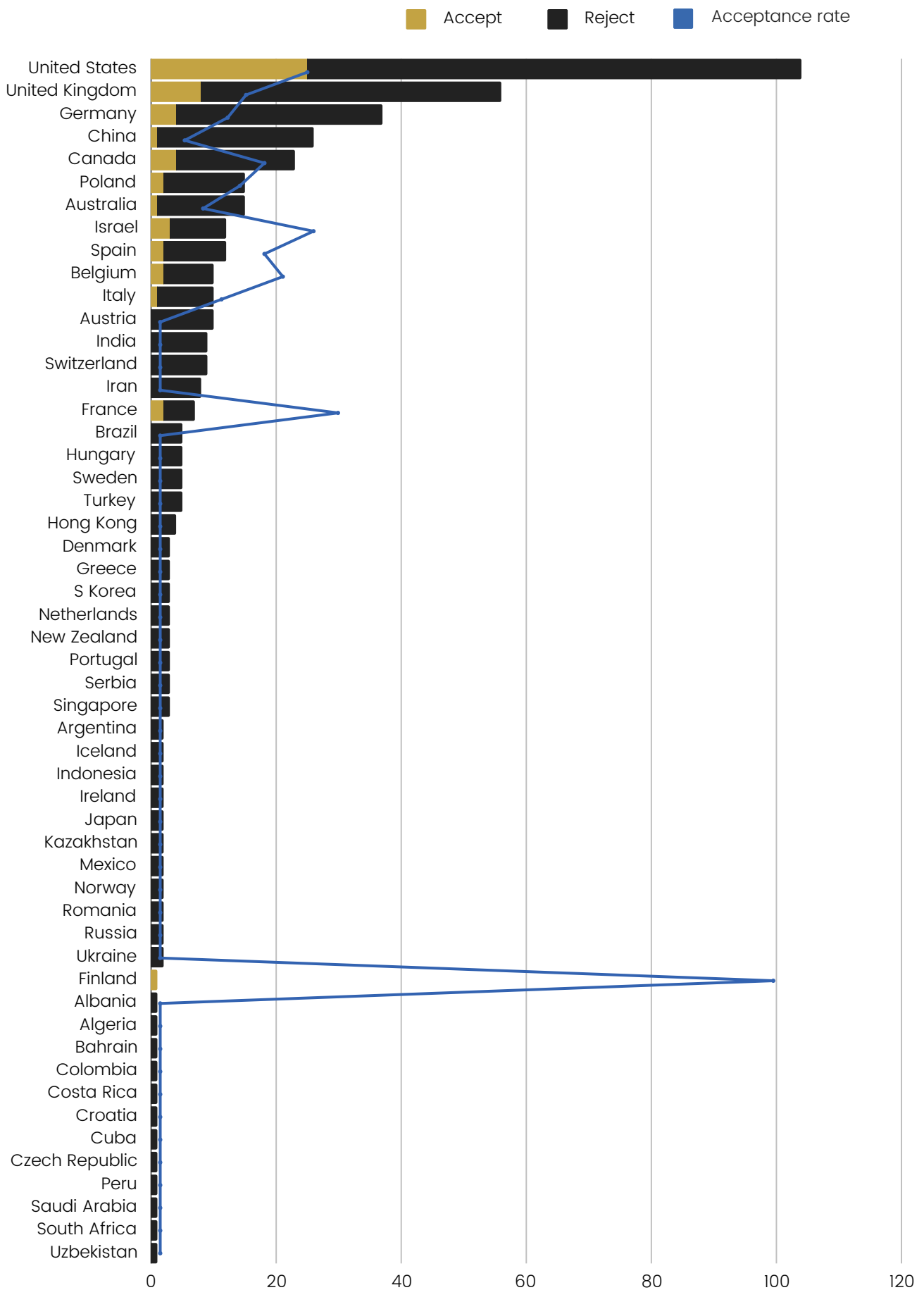
CO-AUTHORSHIP



Notes

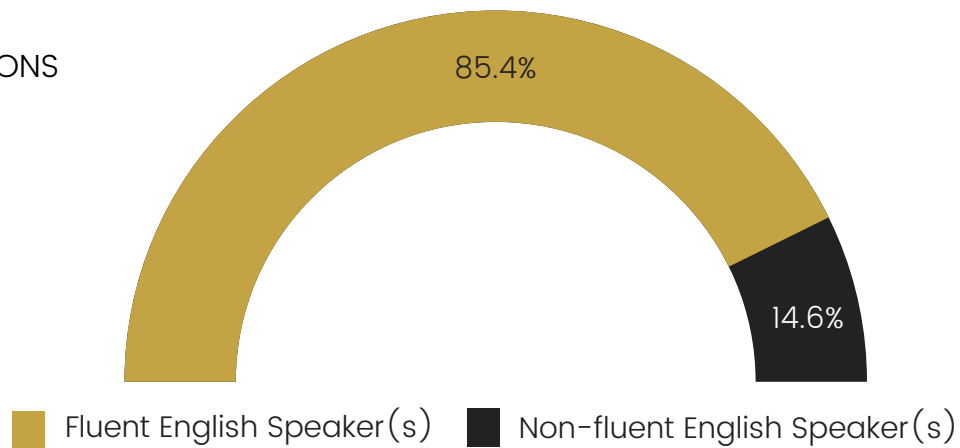
- The number of published papers is small, so results are more prone to noise.
- Continued upward trend in co-authoring.
- Multi-authored papers are more likely to be published than single-authored papers.
- As before, published papers and submitted papers form non-overlapping sets here, given the time lag involved in a paper moving from initial submission to publication. As a result, any comparison between submission and publication figures will not be straightforward.

ACCEPT/REJECT DECISIONS BY COUNTRY

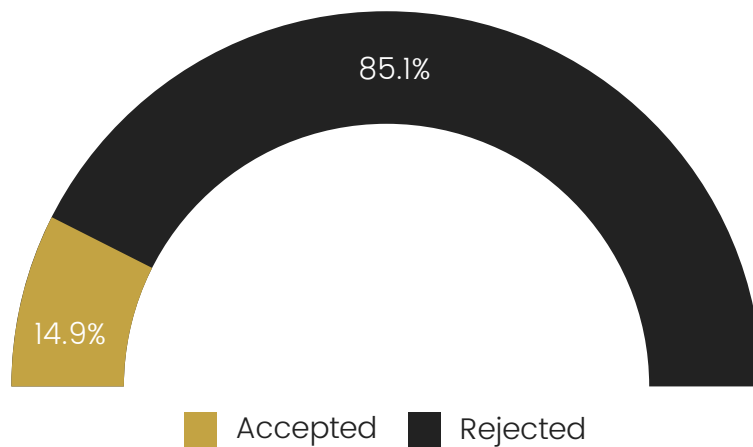


ENGLISH FLUENCY

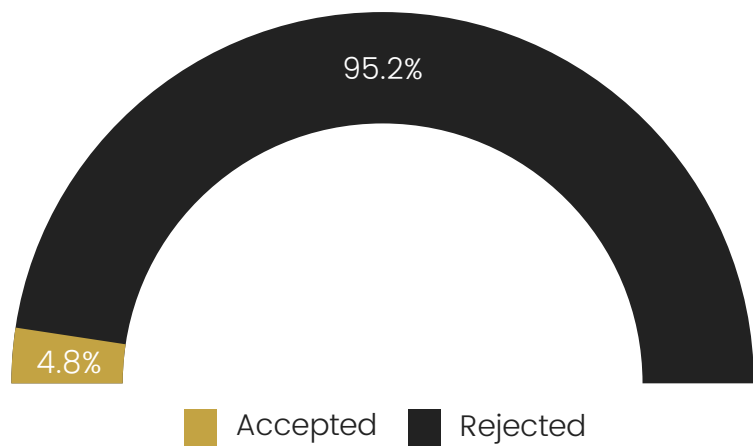
ALL SUBMISSIONS BY ENGLISH FLUENCY



ACCEPTANCE RATE AMONG FLUENT ENGLISH SPEAKERS



ACCEPTANCE RATE AMONG NON-FLUENT ENGLISH SPEAKERS



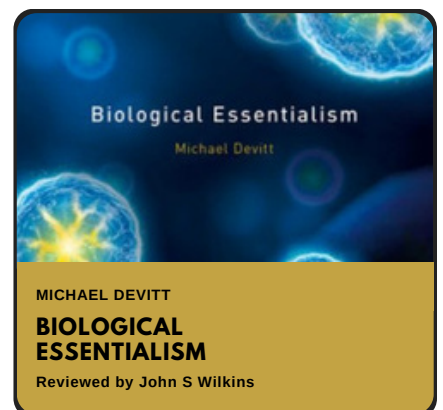
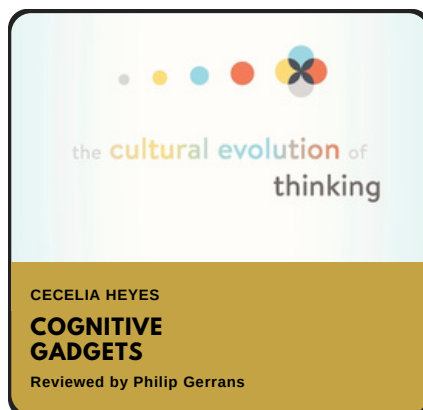
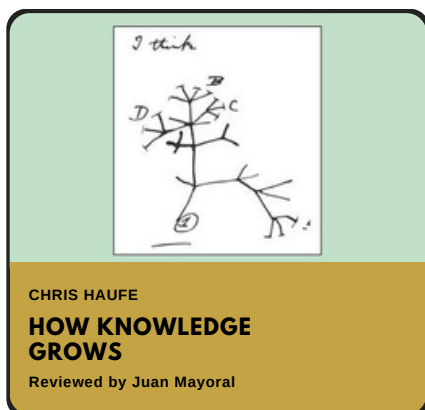
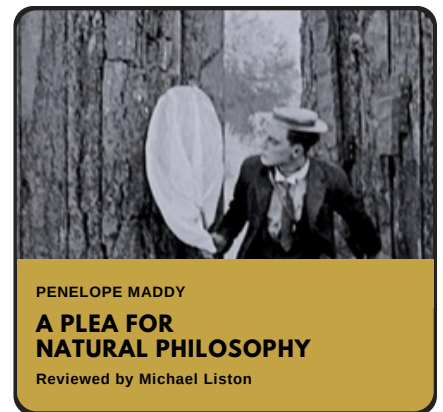
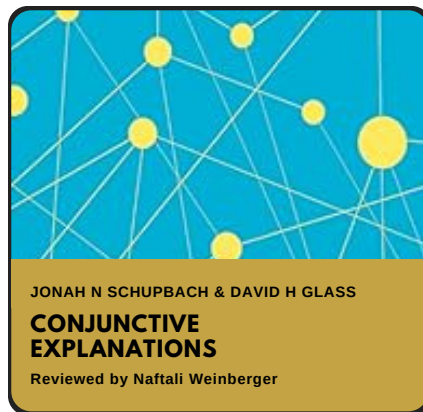
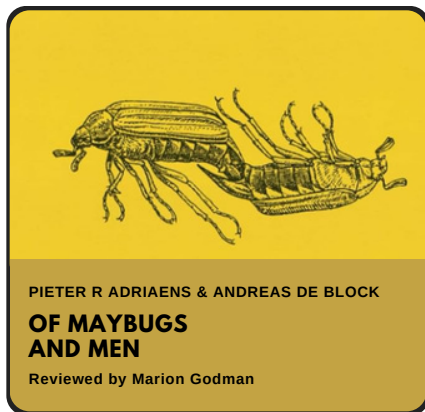
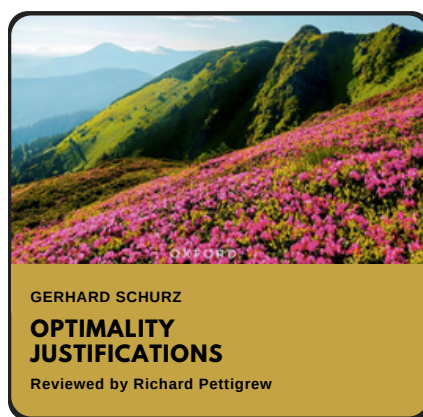
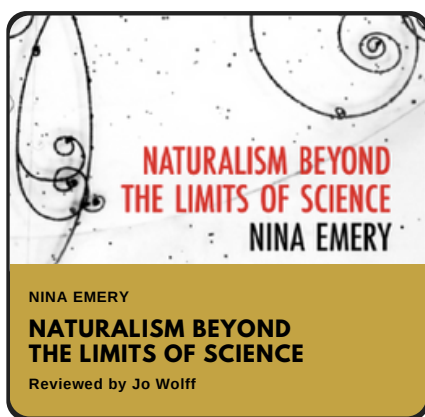
Note. Fluency as self-reported by author(s). The number of non-fluent English-speaking authors is small and so the acceptance figures are likely too noisy to be meaningful. Year-on-year comparison as we continue to collect data should give a clearer picture.

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SHORTER (AND LOUDER)



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