

Publication Report 2022

17 January 2023

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Under the leadership of our Editor-in-Chief, Prof. Dr. Masato Sone, and with great support from all of our Editorial Board Members, *Electrochem* has completed its third volume. On behalf of all the staff in the Editorial Office, I would like to give a report on the performance of *Electrochem* in 2022.

1. Highlights

- Published 54 papers in total.
- Eighteen publications in 2022 have been cited at least once already, and the most popular has been cited 57 times. There has been an average of 3.85 citations in 2022.
- Nine new Special Issues are opening for submission in 2022.
- It is already indexed within CAPlus/SciFinder and other databases. Now, it has officially entered the second phase of investigation of ESCI and Scopus databases.
- Cited articles (Top Ten) in 2022:

Number	Title	Citation
1	Coupled Electrochemical–Thermal Simulations and Validation of Minichannel Cold-Plate Water-Cooled Prismatic 20 Ah LiFePO ₄ Battery	57
2	Experimental, Monte Carlo and Molecular Dynamic Study on Corrosion Inhibition of Mild Steel by Pyridine Derivatives in Aqueous Perchloric Acid	33
3	Performance Study on the Effect of Coolant Inlet Conditions for a 20 Ah LiFePO ₄ Prismatic Battery with Commercial Mini Channel Cold Plates	27
4	Spinel to Rock–Salt Transformation in High-Entropy Oxides with Li Incorporation	26
5	Designing of Nanomaterial-Based Enzymatic Biosensors: Synthesis, Properties, and Applications	25
6	Review of the Design of Current Collectors for Improving the Battery Performance in Lithium-Ion and Post-Lithium-Ion Batteries	20
7	Progress and Opportunities for Exsolution in Electrochemistry	16
8	A Comprehensive Review on the Use of Metal–Organic Frameworks (MOFs) Coupled with Enzymes as Biosensors	14
9	Electrochemical Detection of Bisphenol A by Tyrosinase Immobilized on Electrospun Nanofibers Decorated with Gold Nanoparticles	12
10	Metal-Free Carbon-Based Supercapacitors – A Comprehensive Review	11

2. Journal Access Trend

<https://www.mdpi.com/journal/electrochem/stats>

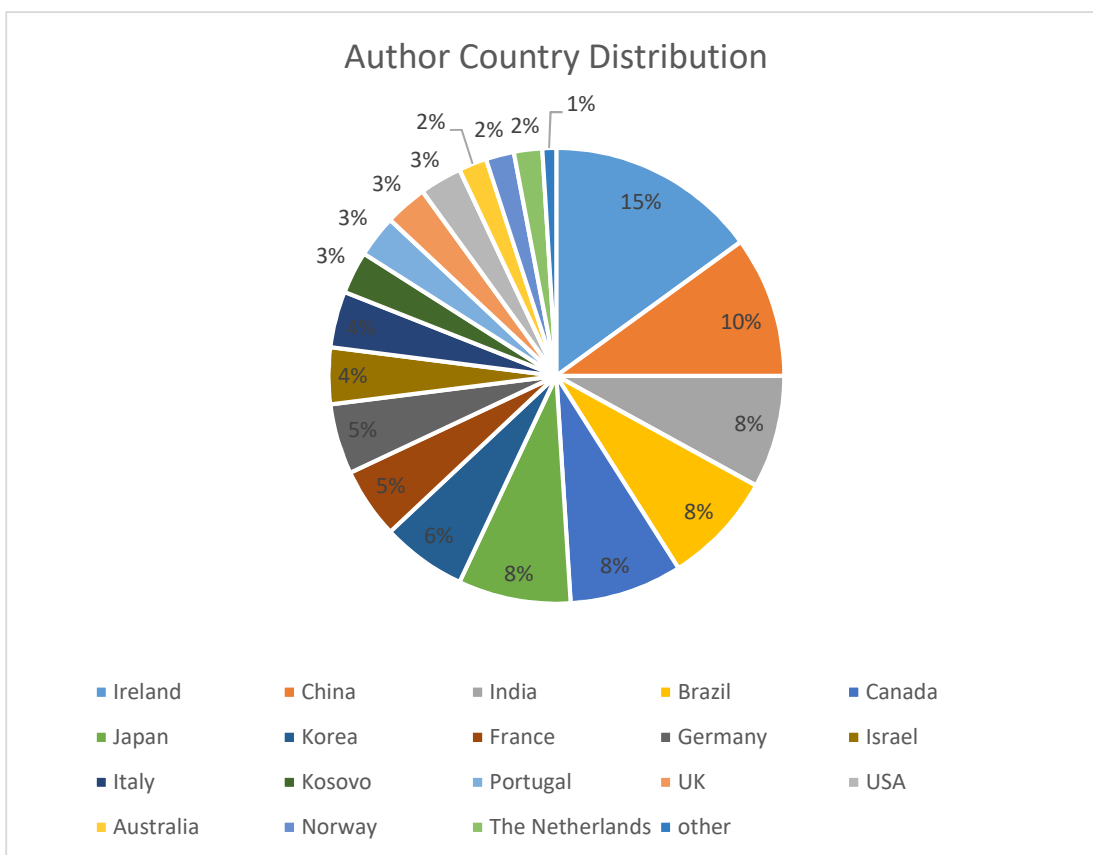
Trends in full-text and abstract views, articles published online, new submissions received, and rejected papers over the past six months.

	2022					
	July	Aug	Sep	Oct	Nov	Dec
Full Text	10,359	9,258	9,351	11,558	11,227	11,893
Articles	6	6	5	6	5	4
New Submissions	12	9	6	5	3	6
Rejection	1	2	2	1	1	1

3. Publication Statistics

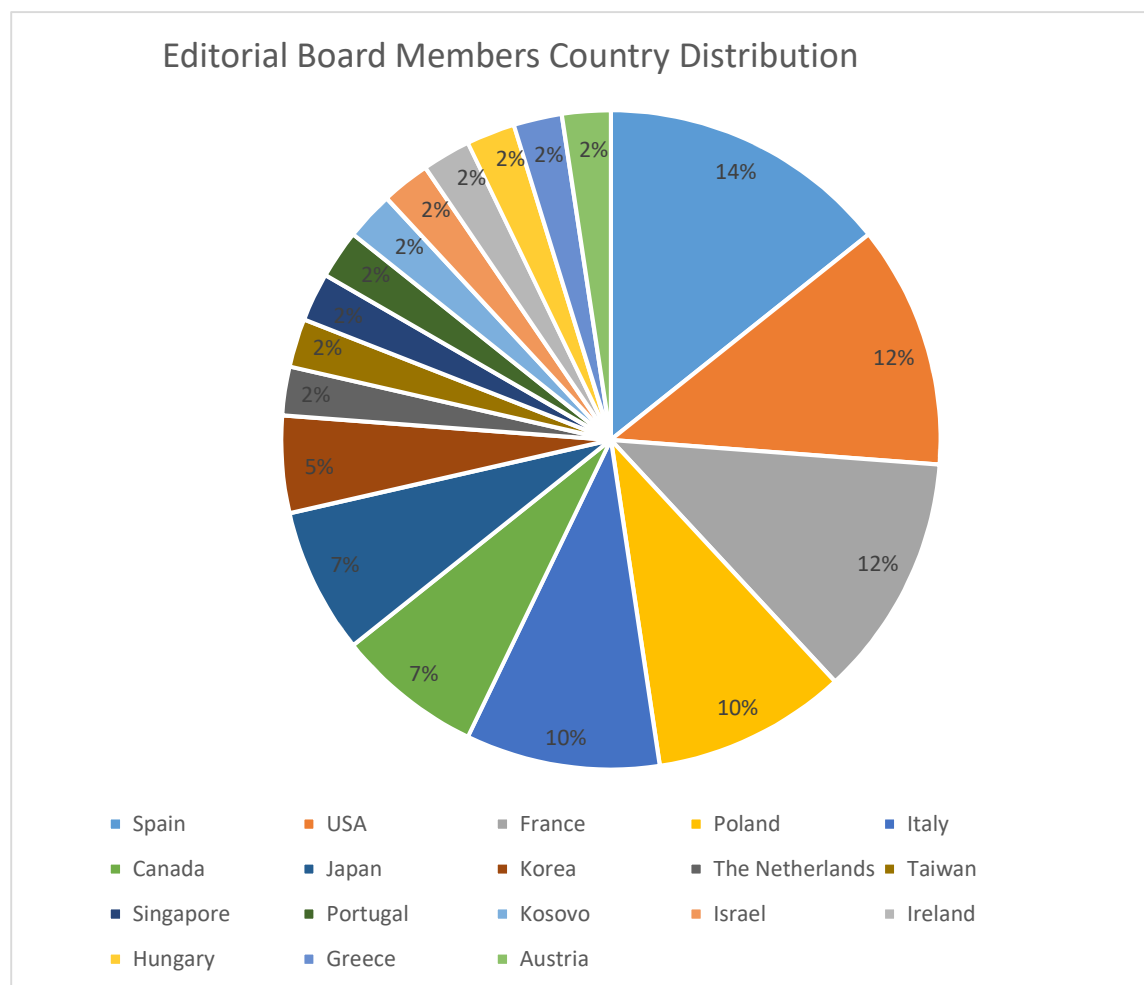
- (1) The total number of manuscripts published in 2022 was 54.
- (2) Publication Time: In 2022, the median publication time was 47 days and the time to first decision was 20 days.
- (3) Publications by countries in 2022: India 12, Ireland 7, China 6, Nepal 6, and others:

Last year, most publications were from India and Ireland. In 2023, we will continue to invite more high-quality manuscripts and promote the journal to more recognized experts.



4. Editorial Board Expansion

In 2022, we had 42 Editorial Board Members from 16 countries.



We hope that this year we can focus on promotion in Europe and America to attract more submissions, considering that most of our Editorial Board Members are from these places.

5. Special Issues

To view the Special Issues that are open for submissions, please see:

https://www.mdpi.com/journal/electrochem/special_issues

Special Issue Title	Deadline
Electrocatalysis of Organic Compounds	2023-02-24
Distributed Electrochemical Production of High-Value Renewable Commodities	2023-02-28
Emerging Trends of Electrochemical Sensors in Food Analysis	2023-03-31
Factors Affecting Composite Battery Electrode Performance	2023-04-24
Nanomaterial-Based Electrochemical Sensors: Studies and Applications	2023-05-31
Electrochemistry Technologies in Bioanalysis and Electrochemical Immunosensor	2023-06-20
Electroreduction of CO ₂ to Fuels and Chemicals	2023-06-30
Electrochemistry Modulated Interfacial Processes: Fundamental and Application	2023-06-30
Recent Development in Electrochemical Sensors	2023-07-30
Advances in Electrochemical Energy-Storage Systems	2023-07-31

Sustainable Integration of Renewable Power Generation Systems	2023-08-31
Electrochemical Methods Designated for Toxic Compounds Detection and Identification	2023-09-30
Electrochemistry in Molten Salts	2023-10-20
Carbon-Based Materials for Energy Storage and Water-Splitting Applications	2023-10-31
Synthesis of Nanomaterials for Energy Storage Devices	2023-10-31
Metal–Organic Framework (MOF)-Derived Nanomaterials for Energy Storage Applications	2023-11-30
Fuel Cells: Performance and Durability	2023-12-31

If you are interested in contributing or have any other hot Special Issue topics or potential Guest Editors in mind, please feel free to recommend them to us.

6. Plans for 2023

(1) **Increase submissions** (*high quality*): We are planning to publish **60** papers this year to ensure the stable development of *Electrochem*. The publication quality in 2023 is very important to us. We would appreciate it if each EBM (Editorial Board Member) were able to invite 1–2 feature papers (including from the EBMs themselves);

(2) Keep up the good trend of paper processing times (*within 40 days*);

(3) **Do more marketing promotions** (*Cooperate with conferences, set up Special Issues, etc.*) to attract submissions. If you plan to attend any conferences in 2023, please feel free to let me know. We can consider cooperating with these conferences.

7. Acknowledgement

We would like to highlight the contribution of our Editor-in-Chief, Professor Masato Sone, who has provided and is providing us with his constant support for the journal's development. We would like to thank Professor Sone for pre-screening manuscripts and making decisions on papers. With his leadership and support, *Electrochem* is developing well and will continue to grow.

Many of our Editorial Board members, Topical Advisory Panel Members, and Guest Editors have contributed their valuable papers to our journal. We appreciate their great support.

Our sincerest thanks to all our reviewers for their help with reviewing papers for our journal; your valuable comments have helped the authors to improve their papers and contributed greatly to the quality control of *Electrochem*.