

molecules

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Molecules Publication Report 2021

January 2022



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Dear Colleagues,

The past year, 2021, was challenging, yet extremely successful year for *Molecules*. I would like to express my gratitude towards all Editorial Board Members, Guest Editors and Reviewers, without whose dedication this successful year wouldn't be possible. Lastly, I would like to thank all the authors for the trust, they invested into onto our journal. We will continue in our efforts for fast and fair publishing.

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- 04** Editorial Board
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1. Highlights



Impact Factor: **4.412**. The 5-Year Impact Factor is 4.588.



Publication numbers increased by **29.00%**. The total number of visits and downloads increased by **48.15%** and **51.51%**, respectively.



Maintained a fast manuscript processing speed (Median Publication Time: 34 days).



Hold one Electronic Conference, 26 webinars and sponsored 11 conferences to promote *Molecules*.

2. Publication Statistics

The total number of papers published in 2021 was 7717—a **29.00% increase** compared to 2020.

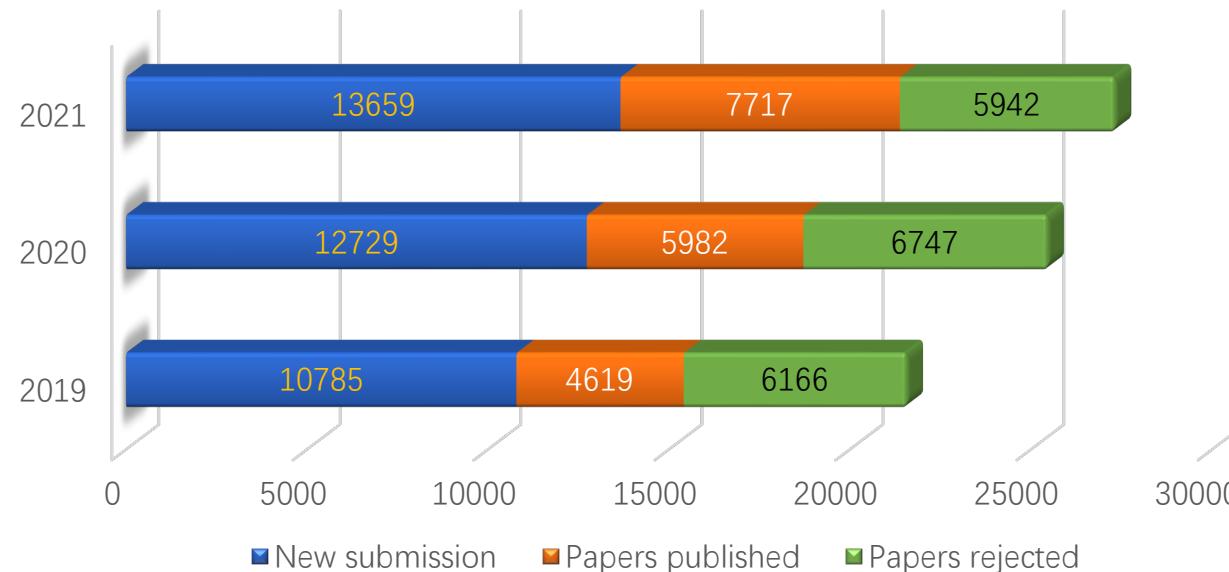


Figure 1. Trends in submissions, publications and rejections (2019–2021).

2. Publication Statistics

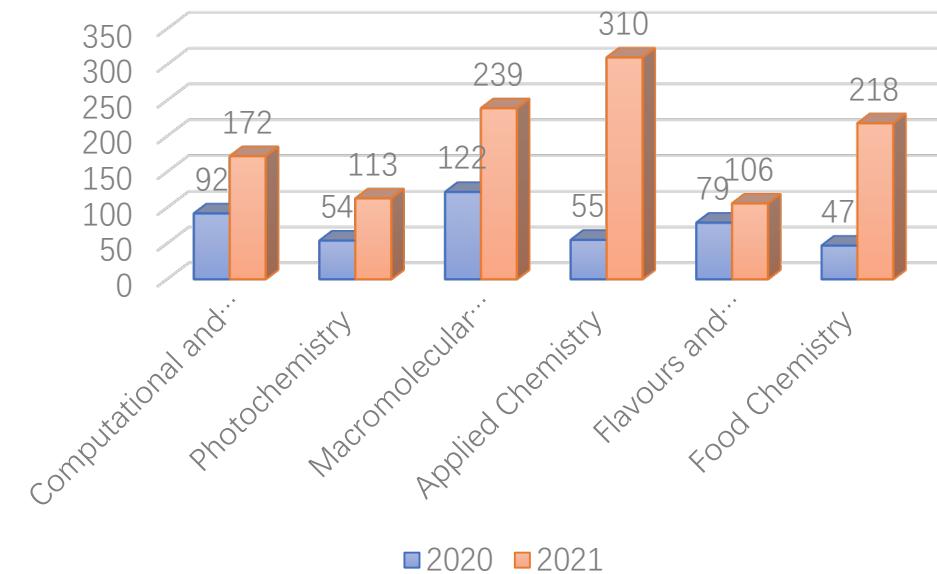
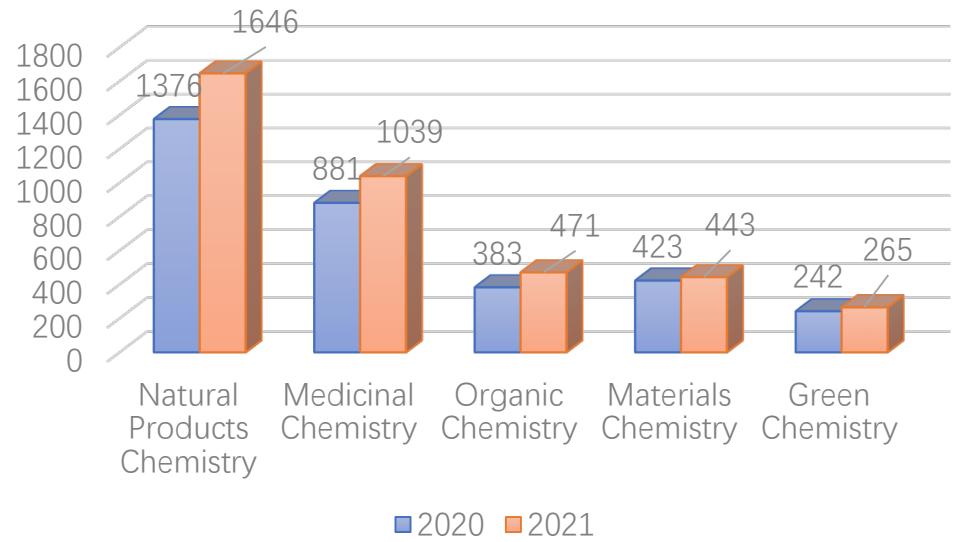


Figure 2. The publications in the sections in 2020 and 2021.

2.1. Contributing Countries

- Top countries of authors are from Europe.
- 14% of the authors are from Americas.
- The authors from Asia are increased from 28% to 32%.

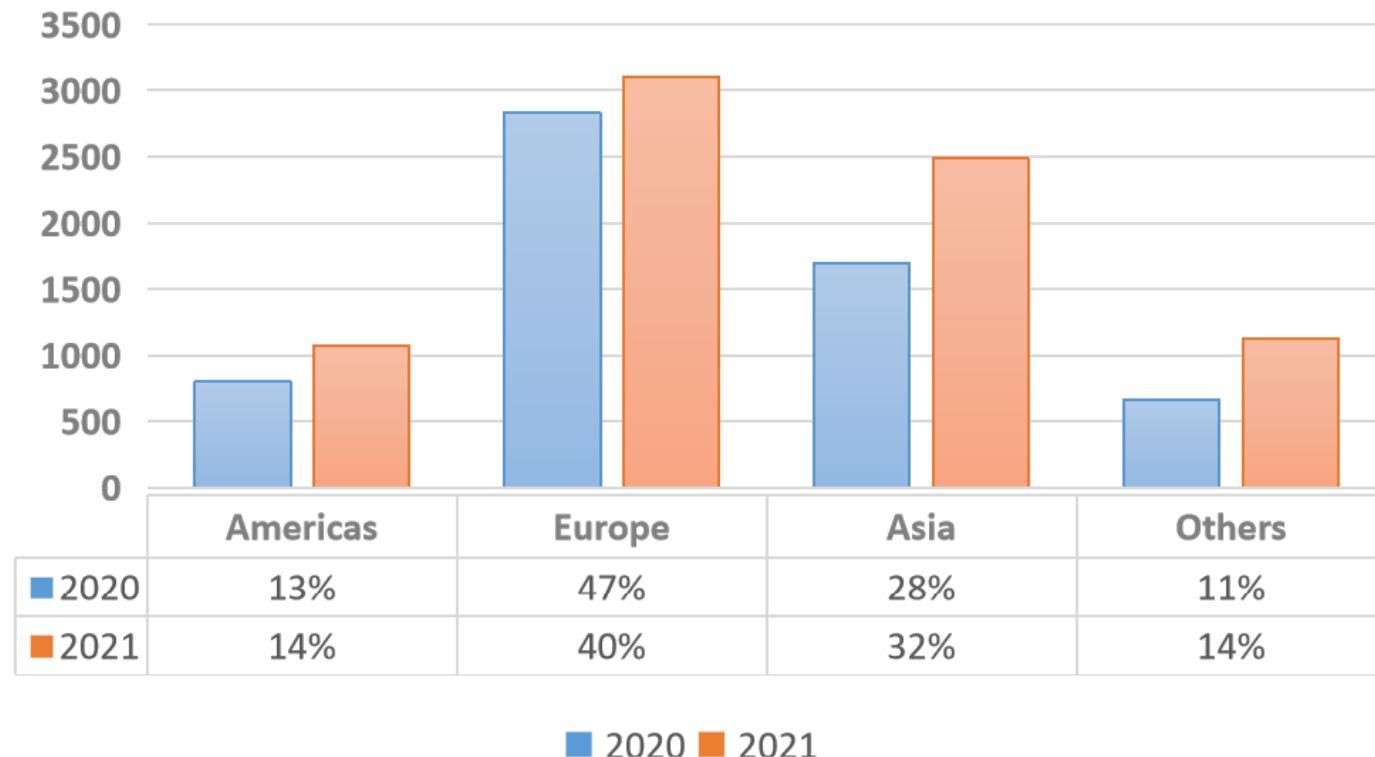


Figure 3. Publication origins in 2020, 2021.

2.1. Contributing Countries

- The authors from China increased significantly compared to 2020. The journal promotions in China and more editors from top universities in 2021 increased which bring more visibility of *Molecules*.
- The publications in Poland, Italy, USA, Brazil also increased significantly in 2021.

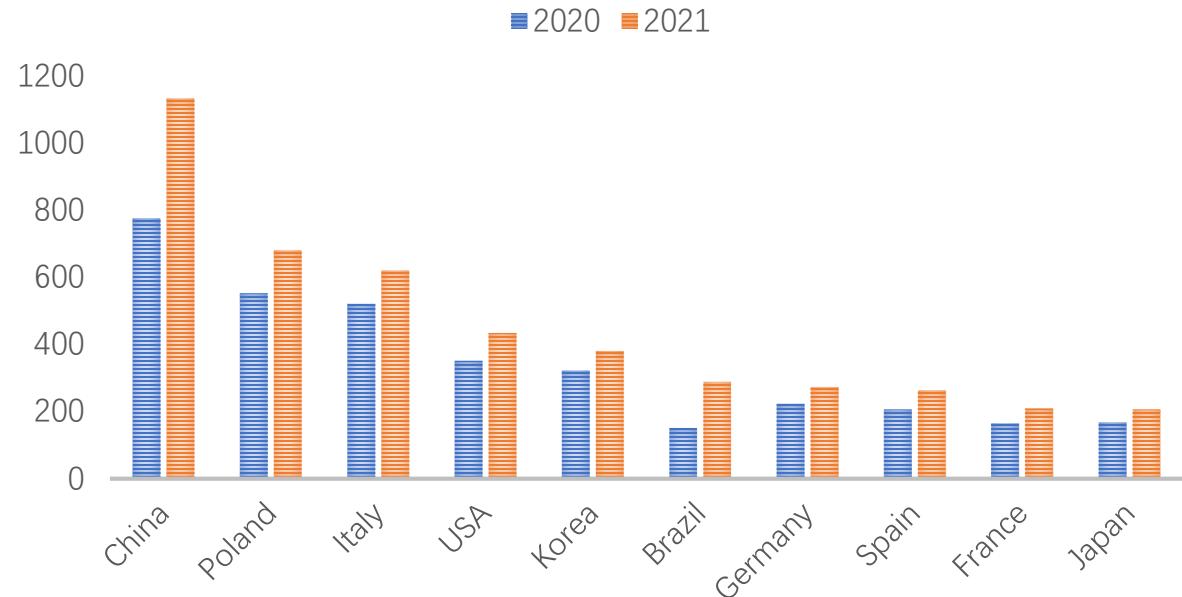
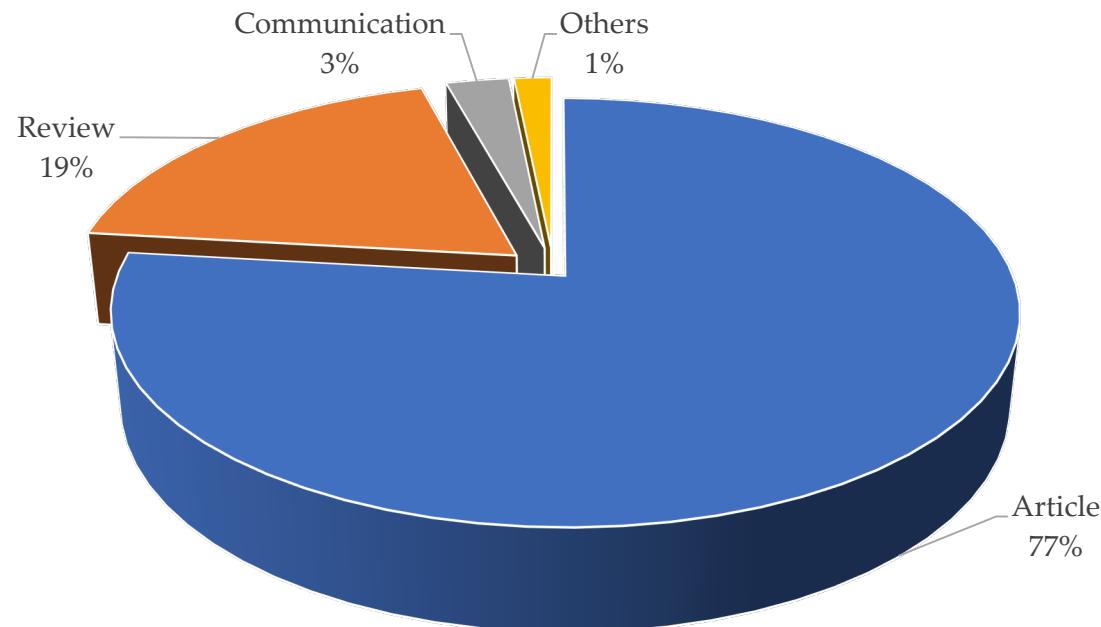


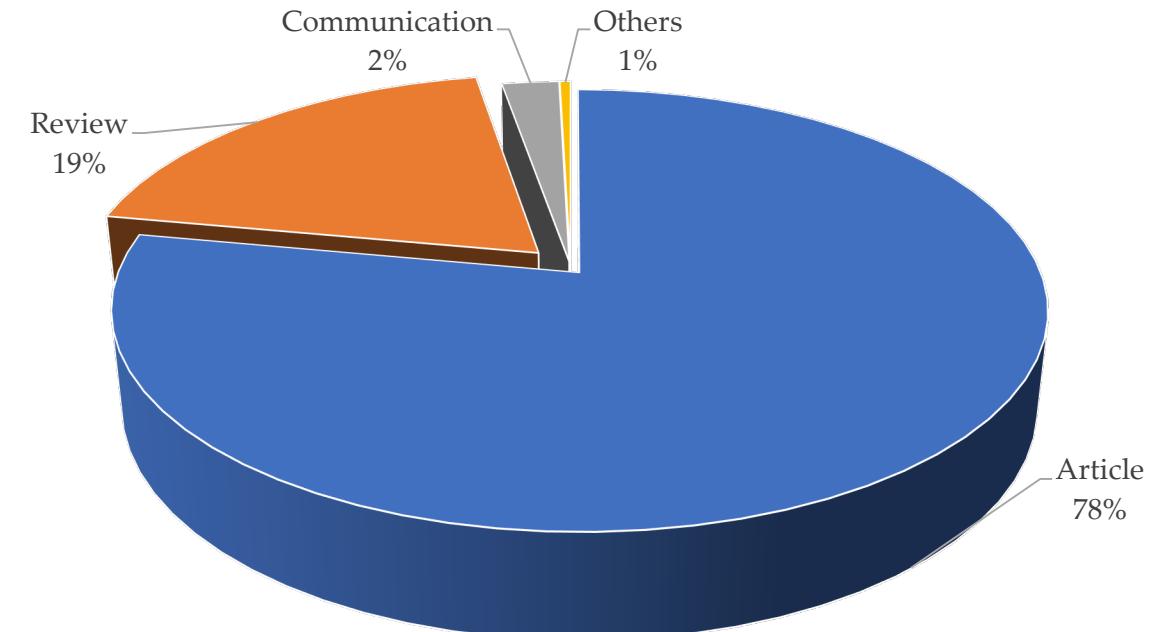
Figure 4. Top 10 publishing countries of origin.

2.2. Type of Published Papers

- The main publication type is article (78%).
- The review papers were 19%.



(A)



(B)

Figure 5. Type of published papers in *Molecules* in 2020 (A), 2021 (B).

2.3. Publication Times



Median Publication Time: 34 days



A first decision provided to the authors: 14 days



The time from acceptance to publication: 4 days

2.4. Special Issues

Special Issue

Submissions: 9665
Publications: 6380
Rejection Rate: 34%

Submissions: 3990
Publications: 1337
Rejection Rate: 67%

Regular

- The papers published in Special Issues accounted for 83% of the total number of published papers in 2021.
- Publications in Special Issues have a higher quality and lower rejection rate than regular papers.

2.5. Non-topic Special Issues

Themed SIs

Special Issues in honor of big names in chemistry or memorable events



Women SIs

We would like to set up more Special Issues on specific Women. Please help to recommend someone.



Regional SIs

Special Issues for specific countries



Conference SIs

If you will attend or organize some conferences in 2022, please recommend to us.

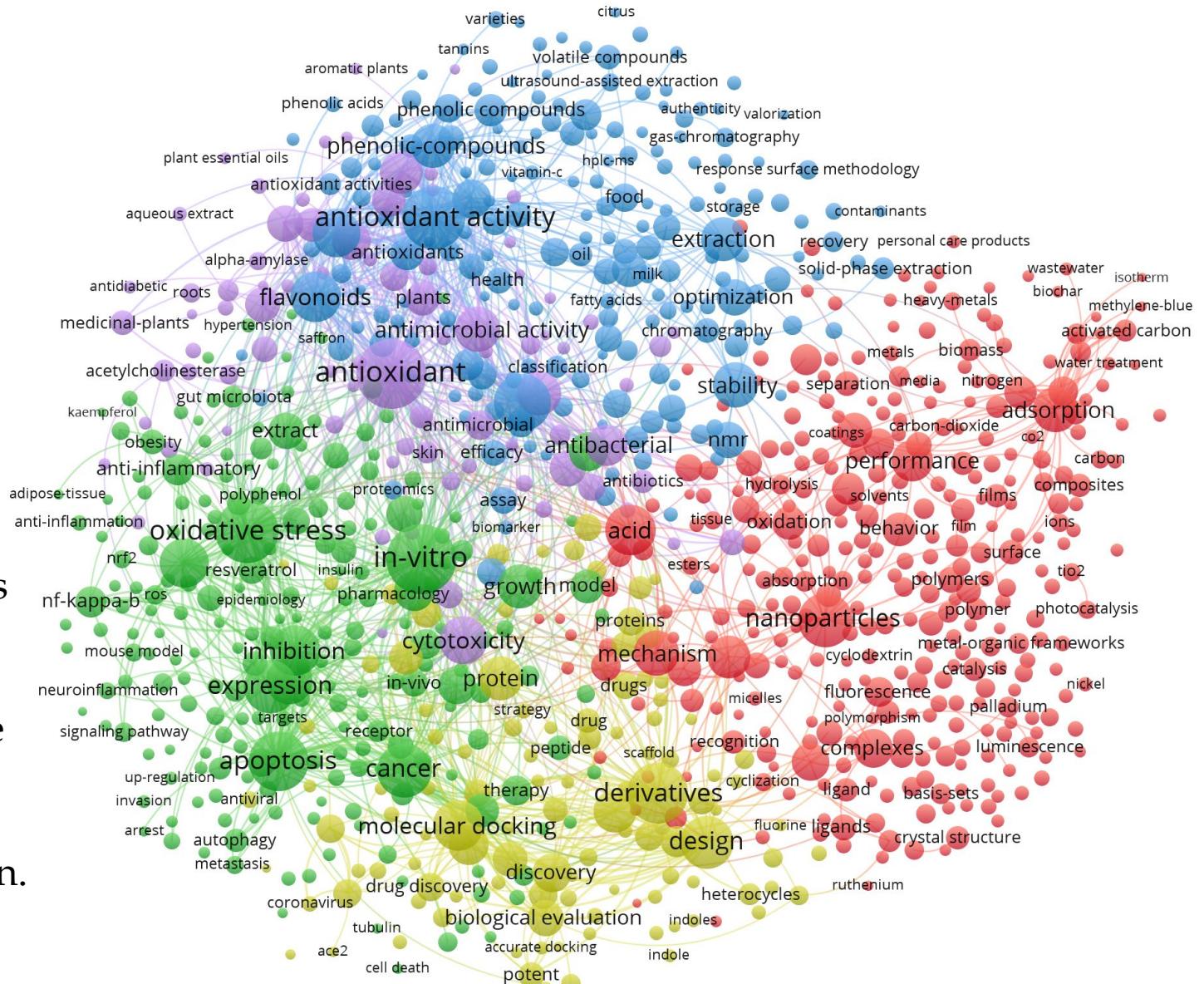


- The non-topic special issues were usually successful. Most of them published more than 10 papers. We will set up more this kind Special issues in 2022.



2.6. Special Issues Topics

- Topics published in *Molecules* in 2021
- Most of them focus on Natural Products Chemistry and Medicinal Chemistry sections with the longest history. It means there is large potential to explore some hot fields such as material chemistry, organic and inorganic chemistry, physical chemistry, and so on.

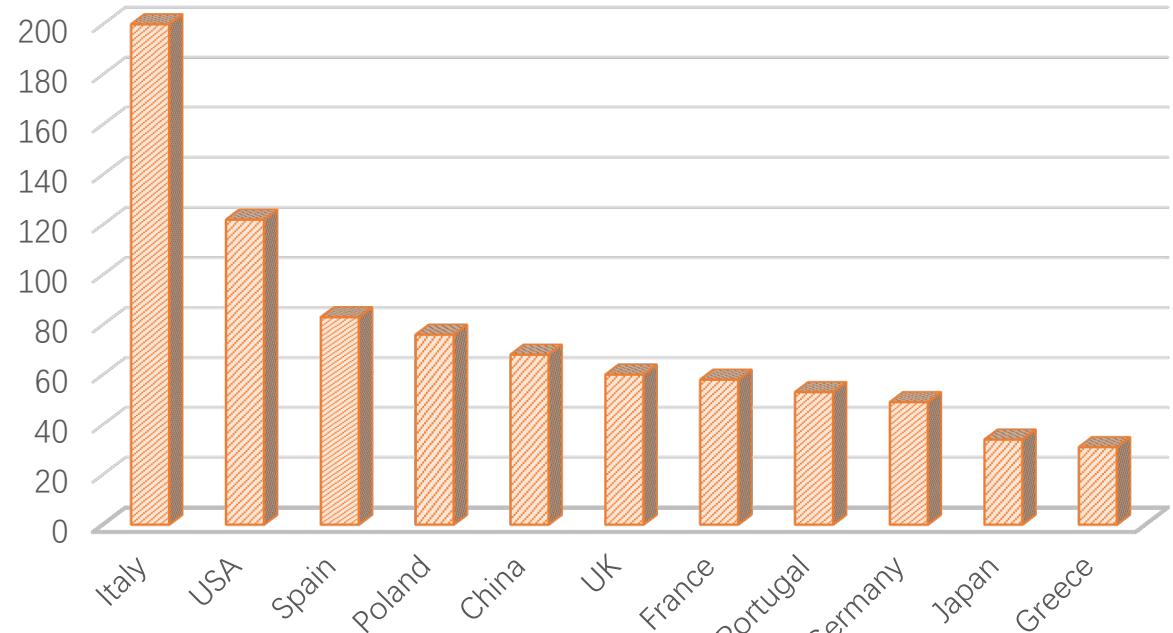


2.7. Guest Editors

Table 1: The H-index of the Guest Editors

H-index	Number
>100	4
>50	50
>40	72
>30	192
>20	420

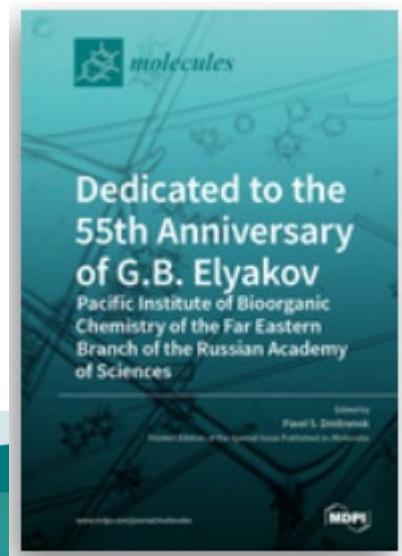
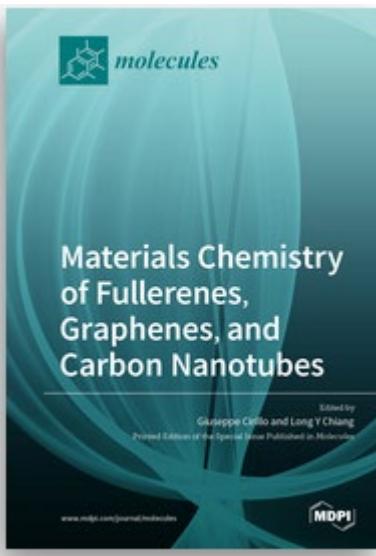
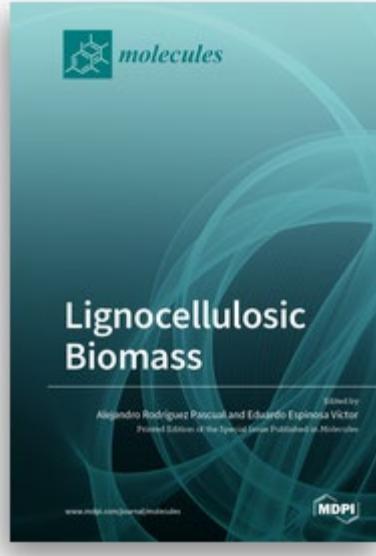
Top 10 Countries of the Guest Editors



- The Guest Editors we invited with good background and most of them are from Italy, USA, Spain, Poland, China, UK, France, etc.

2.8. Special Issues Book

- 38 special issue books were online in 2021.
- More and more special issue books will be produced in this year.



3. Bibliometrics

Journal Citation Report Edition Metric	2019	2020	Change
Impact Factor	3.267	4.412	+35.05%
Rank	142/297 in "Biochemistry & Molecular Biology"; 70/177 in "Chemistry, Multidisciplinary"	115/295 in "Biochemistry & Molecular Biology"; 63/178 in "Chemistry, Multidisciplinary"	-
Papers Published	4619	5982	+29.51%

Impact Factor Calculation Data

(Tracked citations) 2021 Impact Factor

$$\text{JIF} = \frac{\text{Citations in 2021 to items published in 2019 (24,028) + 2020 (24,187)}}{\text{Number of citable items in 2019(4630) + 2020(6056)}} = \frac{48,215}{10,686} = 4.512$$

(data accessed on 07 February 2022)

CiteScore in Scoups

CiteScore in 2020 is **4.7**

CiteScore Tracker in 2021

$$5.7 = \frac{124,295 \text{ Citations to date}}{21,732 \text{ Documents to date}}$$

Last updated on 05 January, 2022

Online Readership

- The total number of visits of *Molecules* papers in 2021 was 9,796,982, **increased by 48.15%** .
- The total number of downloads of *Molecules* papers in 2021 was 3,759,937, **increased by 51.51%** .

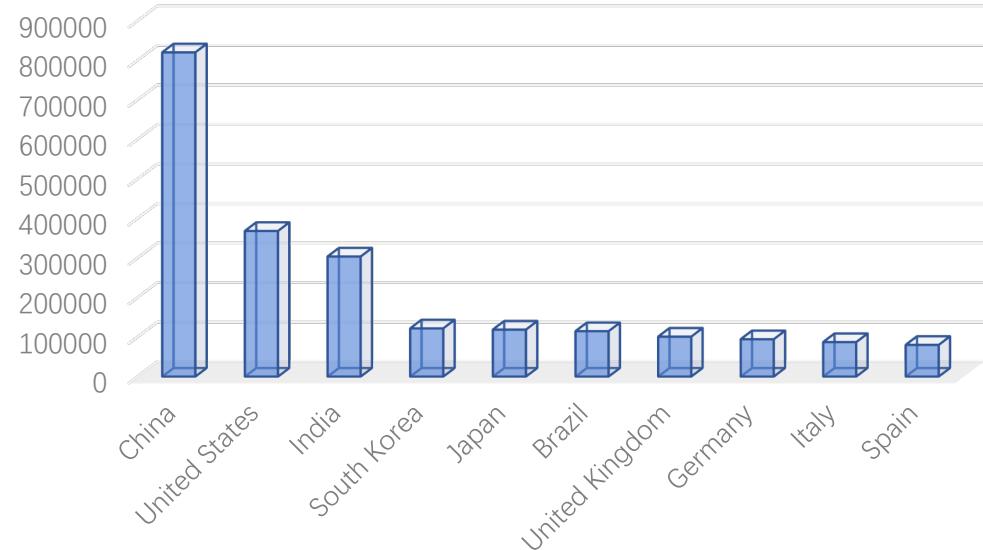
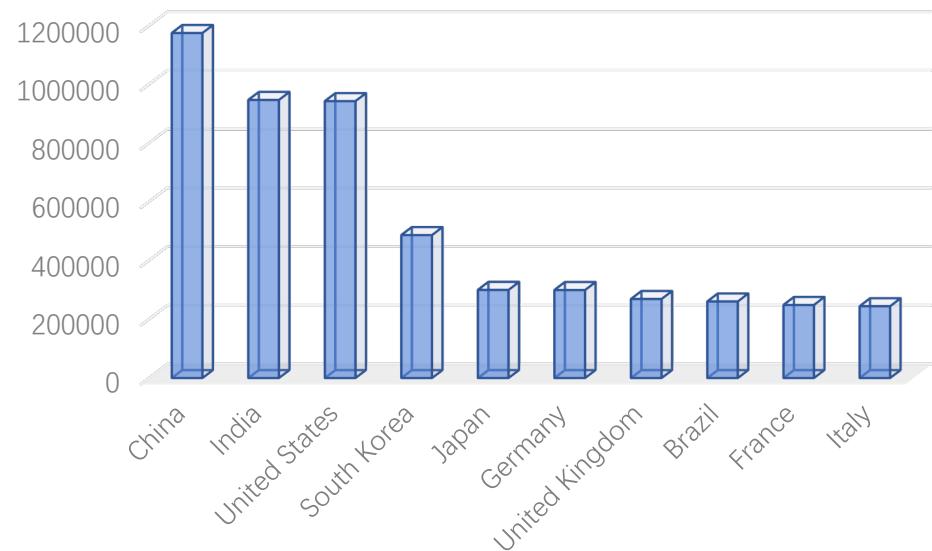
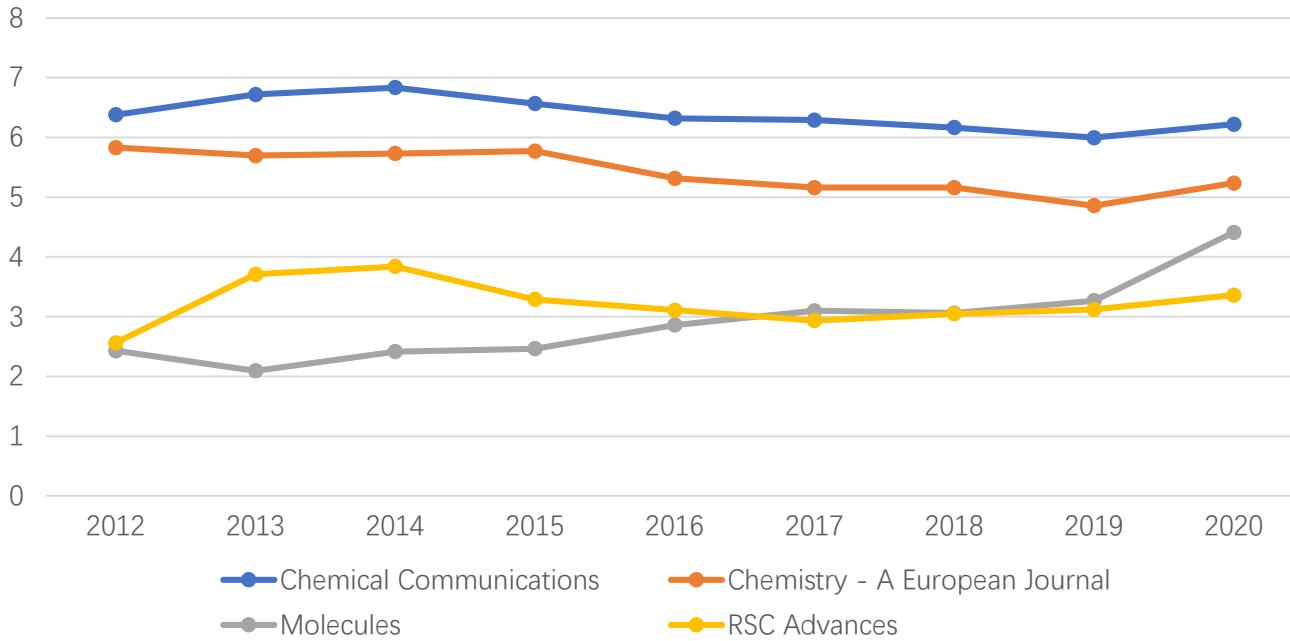


Figure 7. Top 10 countries for visits and PDF downloads in 2021.



Impact Factor Compared with Selected Competitors

The IF of *Molecules* keeps increasing in recent years. The journal always try to attract some very good quality papers and provide the platform for scholars to promote their researches.

In 2021, the ratio of publications in Molecules in the categories **reached 5.47%**.

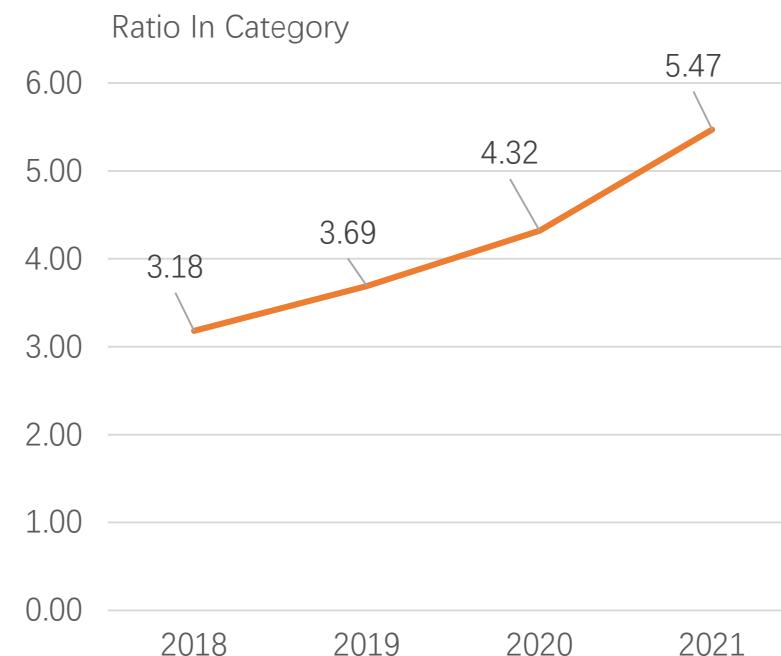
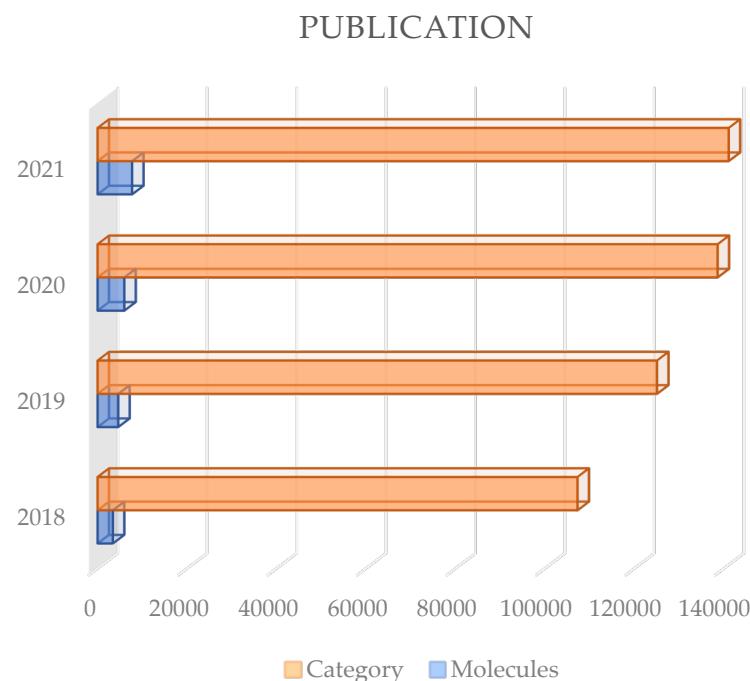
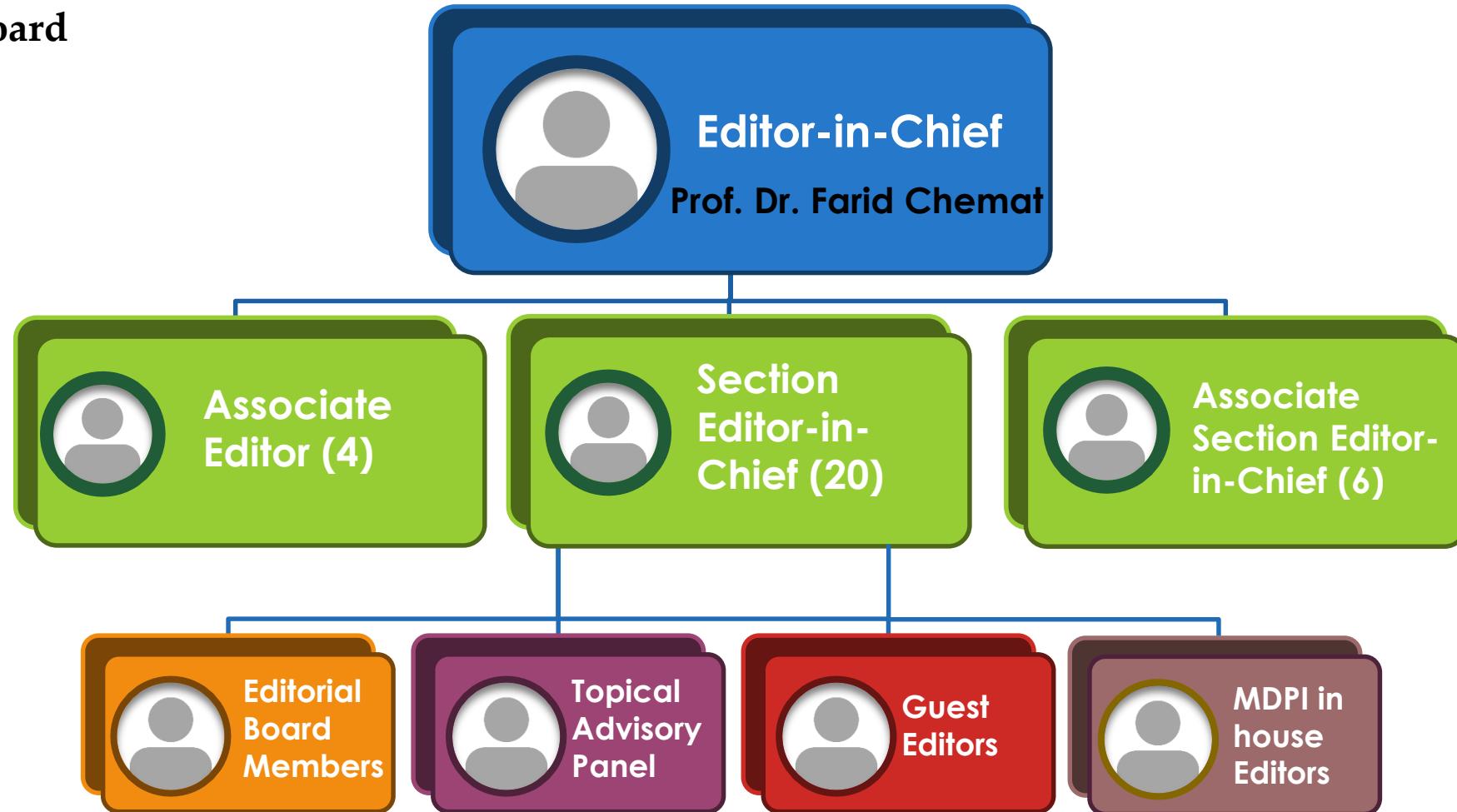


Figure 8. The publications and ratio of Molecules in the category.

4. Editorial Board



□ 81.54% EBMs (Editorial Board Members) were involved in our editorial work in 2021.

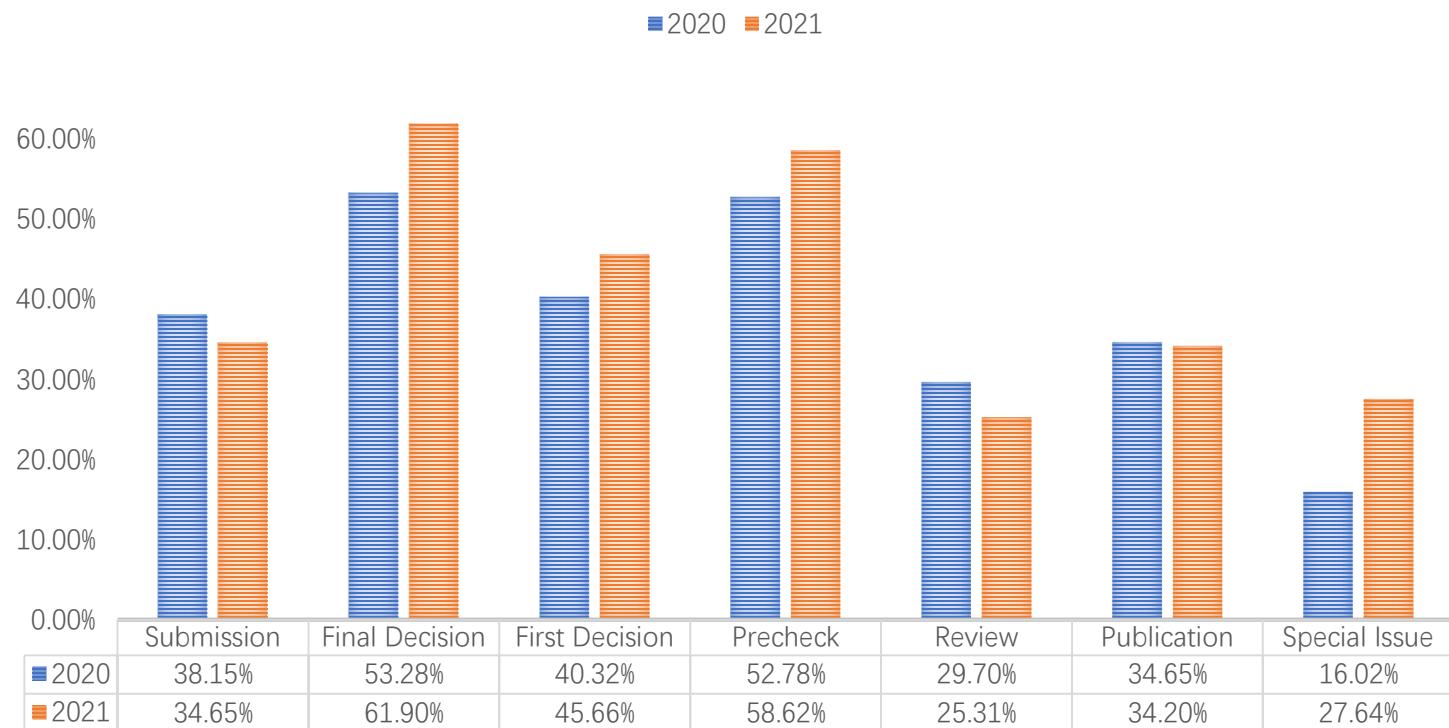
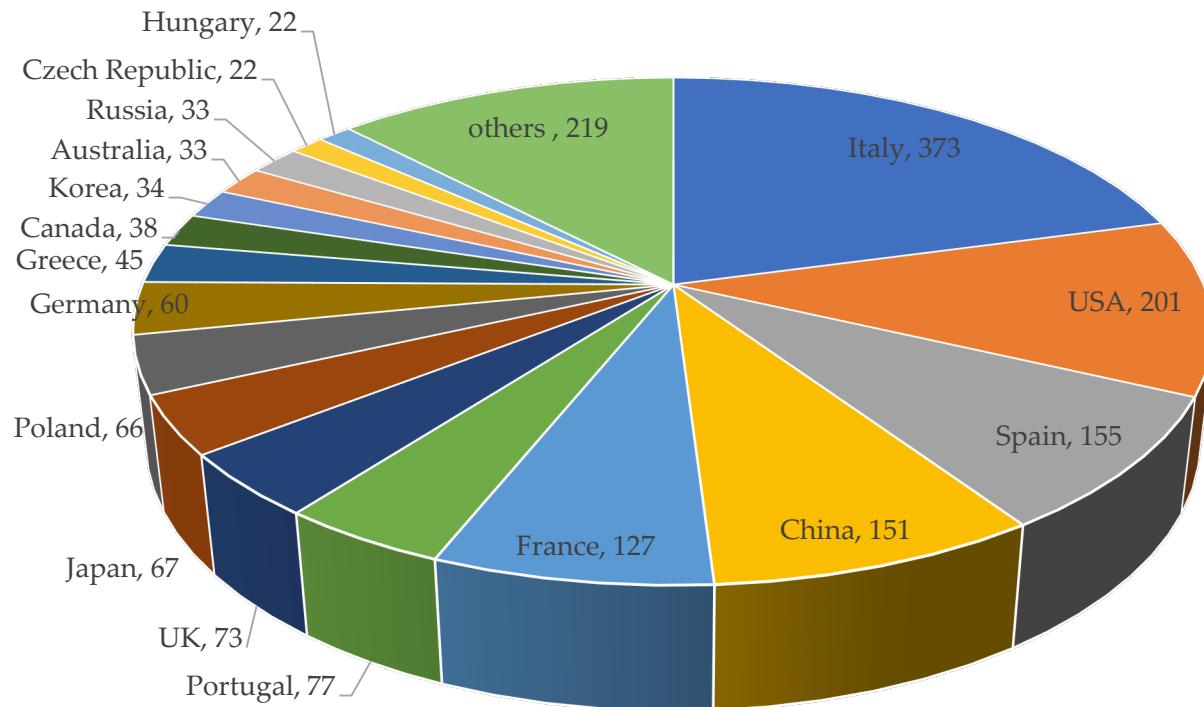
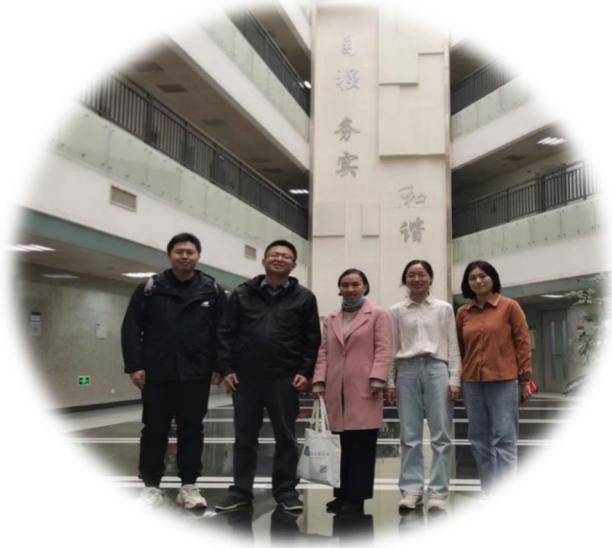


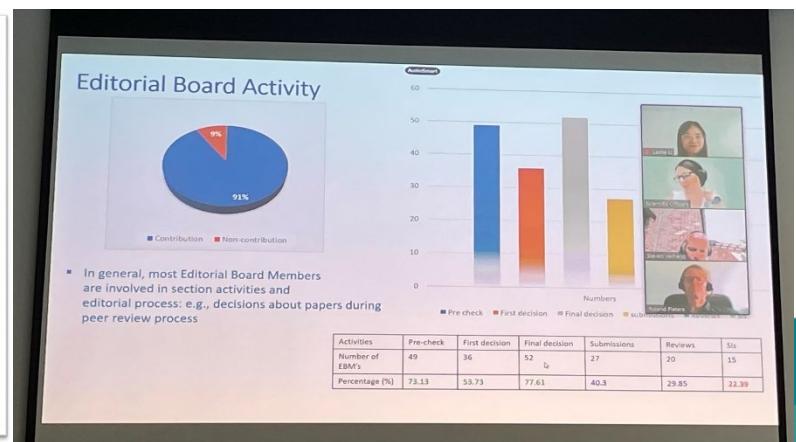
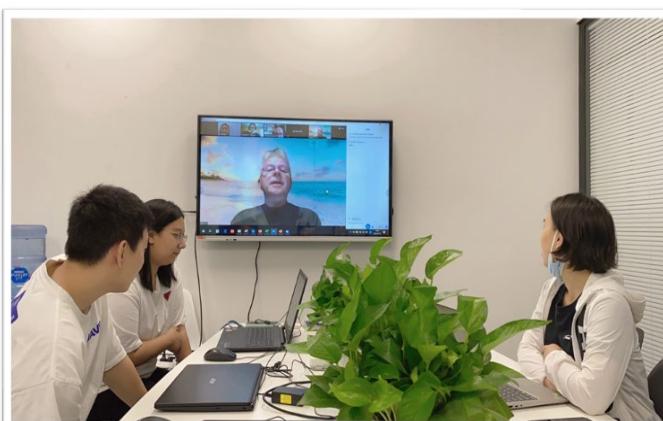
Figure 9. The contributions of Editorial Board Members in 2020–2021.

- Our editorial board members mainly from Italy, USA, Spain, China, France, Portugal, UK, Japan, Poland and Germany, and so on.





■ Video conference with section
Editor-in-Chief



□ 65.32% TAPs (Topical Advisory Panel) involved in our editorial work in 2021.

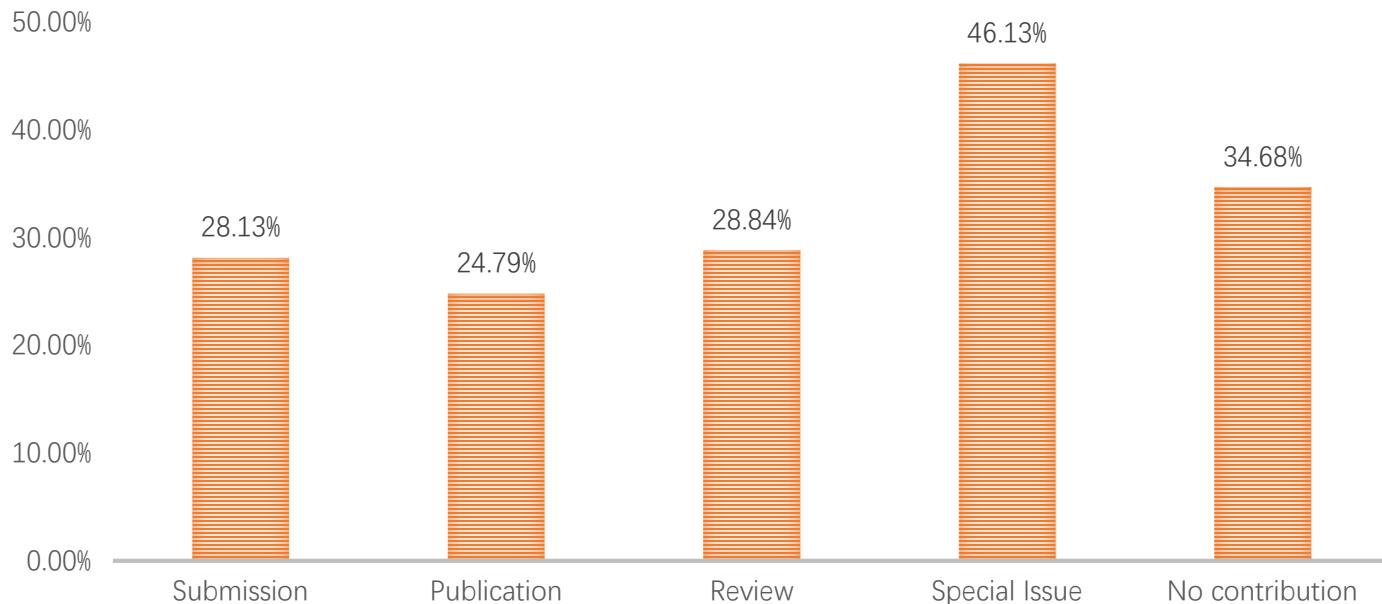
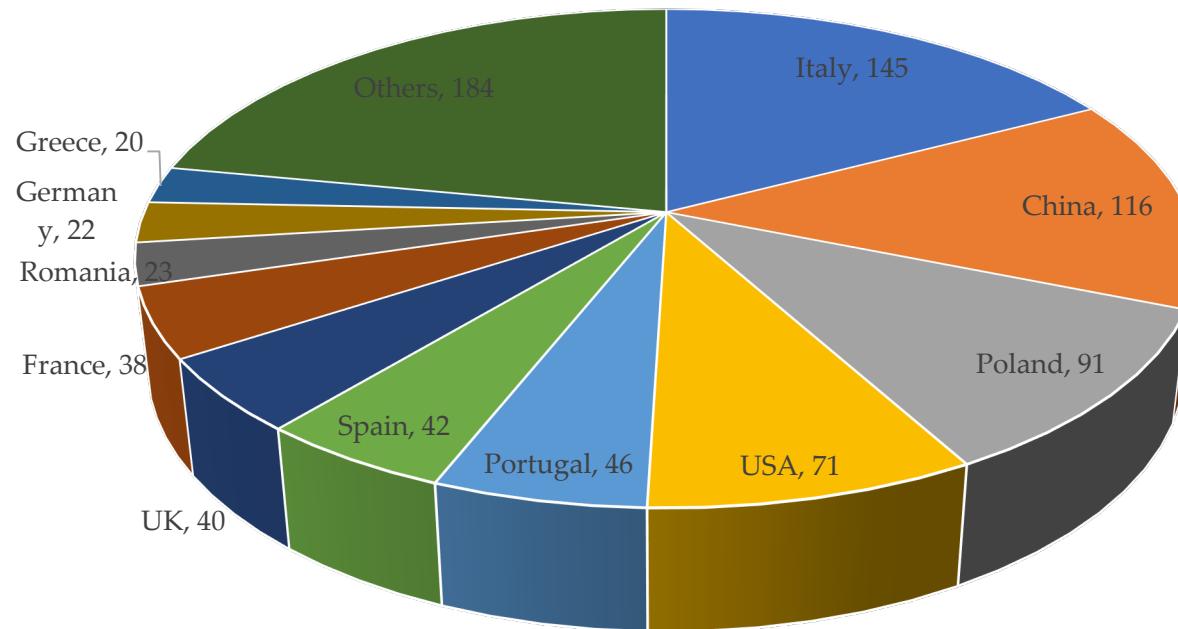


Figure 10. The contributions of TAPs in 2021.

- Our topic advisory panel mainly from Italy, China, Poland, USA, Portugal and Spain.



5. Marketing and Promotion

- 26 Webinars were held in 2021.
- More than 80% of Webinar registrations reached 100+.



- 11 booths
- 11 paid sponsorships
- 11 conferences for free media partnership



- 2 Journal Awards
- 1 Electronic Conference
- Prepare 1 Symposium

MOLECULES 2021 YOUNG INVESTIGATOR
 **AWARD**
WINNER ANNOUNCED HERE



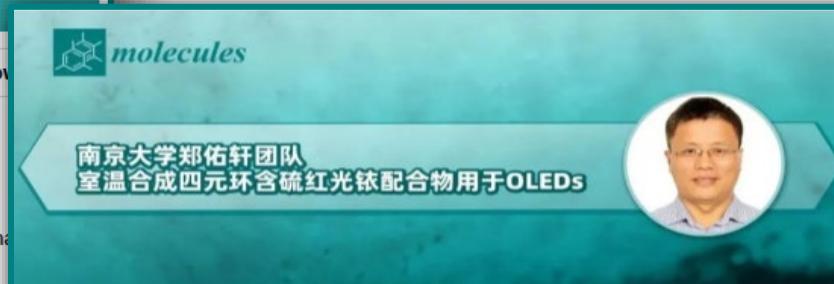


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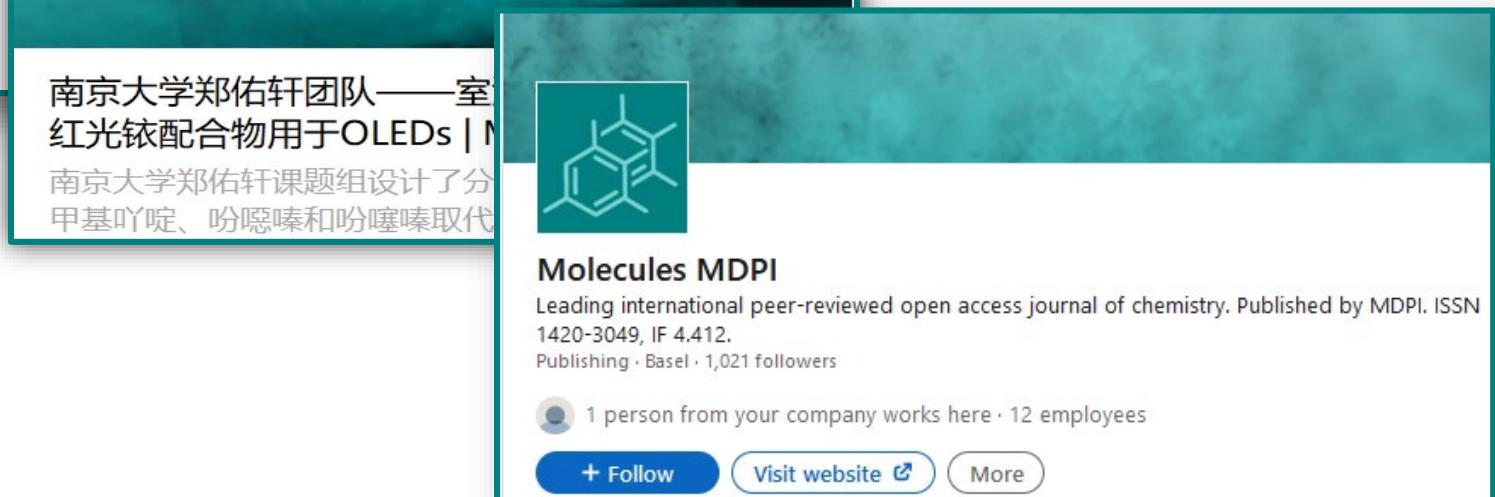
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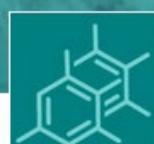


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南京大学郑佑轩团队
室温合成四元环含硫红光铱配合物用于OLEDs



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6. Plan for 2022



Publication

- Attract more high quality papers from top scholars and institutions;
- Keep fast publication and good service;
- Launch Special Issue on hot topics.



Editorial Board

- Provide more ways to Editors to take part in the development projects and promotions of *Molecules*;
- Encourage Editors to gather more cooperation with scholars/institutions/societies



Marketing

- Organize 3rd "Molecules Medicinal Chemistry Symposium";
- Hold more webinars;
- Collaborate with more international conferences and workshops.



Bibliometrics

- Promote published papers to via mail, social media;
- Guide authors about the tips to promote their papers and increase the visibility.

Acknowledgments



We would like to express our sincere thanks and deep appreciation to our Editors-in-Chief, Editorial Board Members, and Guest Editors for their invaluable help in manuscript quality control, Special Issue monitoring, journal promotion, etc. We really appreciate the time they invested.

Appendix 1

Top 10 most downloaded articles published in 2021:

Title	Downloads	Doi
Non-Toxic Dimeric Peptides Derived from the Bothropstoxin-I Are Potent SARS-CoV-2 and Papain-like Protease Inhibitors	10577	10.3390/molecules26164896
Novel Tdp1 Inhibitors Based on Adamantane Connected with Monoterpene Moieties via Heterocyclic Fragments	8437	10.3390/molecules26113128
COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds	7905	10.3390/molecules26030727
Antiviral Properties of the NSAID Drug Naproxen Targeting the Nucleoprotein of SARS-CoV-2 Coronavirus	7495	10.3390/molecules26092593
Acridine-Based Antimalarials—From the Very First Synthetic Antimalarial to Recent Developments	7393	10.3390/molecules26030600
Bone Grafts and Substitutes in Dentistry: A Review of Current Trends and Developments	6712	10.3390/molecules26103007
Significant Inactivation of SARS-CoV-2 In Vitro by a Green Tea Catechin, a Catechin-Derivative, and Black Tea Galloylated Theaflavins	5933	10.3390/molecules26123572
Probiotics in Cosmetic and Personal Care Products: Trends and Challenges	5889	10.3390/molecules26051249
Wearable Biosensors: An Alternative and Practical Approach in Healthcare and Disease Monitoring	5863	10.3390/molecules26030748
Bioethanol Production by Enzymatic Hydrolysis from Different Lignocellulosic Sources	5649	10.3390/molecules26030753

Top 10 articles in terms of abstract views published in 2021:

Title	Number of Views	Doi
EGCG, a Green Tea Catechin, as a Potential Therapeutic Agent for Symptomatic and Asymptomatic SARS-CoV-2 Infection	6342	10.3390/molecules26051200
Synthesis and Evaluation of Biological Activities of Bis(spiropyrazolone)cyclopropanes: A Potential Application against Leishmaniasis	4481	10.3390/molecules26164960
Positive Effect of Cannabis sativa L. Herb Extracts on Skin Cells and Assessment of Cannabinoid-Based Hydrogels Properties	4237	10.3390/molecules26040802
Cyanogenic Glycoside Analysis in American Elderberry	4066	10.3390/molecules26051384
Supercritical Fluid Extract of Putranjiva roxburghii Wall. Seeds Mitigates Fertility Impairment in a Zebrafish Model	3970	10.3390/molecules26041020
In Silico Study of Polyunsaturated Fatty Acids as Potential SARS-CoV-2 Spike Protein Closed Conformation Stabilizers: Epidemiological and Computational Approaches	3679	10.3390/molecules26030711
A Global Review on Short Peptides: Frontiers and Perspectives	3559	10.3390/molecules26020430
Molecular Basis of the Therapeutical Potential of Clove (<i>Syzygium aromaticum</i> L.) and Clues to Its Anti-COVID-19 Utility	3415	10.3390/molecules26071880
Self-Assembling Peptides and Carbon Nanomaterials Join Forces for Innovative Biomedical Applications	3354	10.3390/molecules26134084
Catechol-Containing Schiff Bases on Thiocalixarene: Synthesis, Copper (II) Recognition, and Formation of Organic-Inorganic Copper-Based Materials	3335	10.3390/molecules26082334

Top 10 most cited papers published in 2021:

Title	Citations	Doi
Facile Tailoring of Structures for Controlled Release of Paracetamol from Sustainable Lignin Derived Platforms	34	10.3390/molecules26061593
Essential Oils as Natural Sources of Fragrance Compounds for Cosmetics and Cosmeceuticals	33	10.3390/molecules26030666
The Potential of Selected Agri-Food Loss and Waste to Contribute to a Circular Economy: Applications in the Food, Cosmetic and Pharmaceutical Industries	28	10.3390/molecules26020515
Progress in the Application of Nanoparticles and Graphene as Drug Carriers and on the Diagnosis of Brain Infections	28	10.3390/molecules26010186
Meso/Microporous Carbons from Conjugated Hyper-Crosslinked Polymers Based on Tetraphenylethene for High-Performance CO ₂ Capture and Supercapacitor	27	10.3390/molecules26030738
Propolis, Bee Honey, and Their Components Protect against Coronavirus Disease 2019 (COVID-19): A Review of In Silico, In Vitro, and Clinical Studies	23	10.3390/molecules26051232
Nucleoside Analogs and Nucleoside Precursors as Drugs in the Fight against SARS-CoV-2 and Other Coronaviruses	21	10.3390/molecules26040986
Anti-Inflammatory Action and Mechanisms of Resveratrol	21	10.3390/molecules26010229
Plant-Based Gums and Mucilages Applications in Pharmacology and Nanomedicine: A Review	21	10.3390/molecules26061770
Protective Effects of <i>Gynostemma pentaphyllum</i> (var. <i>Ginpent</i>) against Lipopolysaccharide-Induced Inflammation and Motor Alteration in Mice	20	10.3390/molecules26030570

Top 10 non-topic special issues published in 2021:

Special Issue Name	Paper Published	Deadline
Chemical Bonding: A Commemorative Special Issue Honoring Professor Linus Pauling	45	2021-09-30
25th Anniversary of Molecules—Advances in Food Chemistry, Nutraceuticals, Functional Foods, and Dietary Bioactives: Celebrating the Lifetime Achievements of Professor Fereidoon Shahidi	29	2021-11-15
25th Anniversary of Molecules—Recent Advances in Medicinal Chemistry	28	2021-01-31
25th Anniversary of Molecules—Recent Advances in Materials Chemistry	26	2021-12-31
25th Anniversary of Molecules—Recent Advances in Applied Chemistry	21	2021-12-31
Theme Issue Honoring Professor Robert Verpoorte’s 75th Birthday: Past, Current and Future of Natural Products Research	19	2021-03-10
In Honor of the 80th Birthday of Professor Janusz Jurczak	19	2021-12-31
Special Issue in Honor of Professor James D. McChesney on the Occasion of his 80th Birthday	17	2021-08-31
A Themed Issue Dedicated to Professor John B. Goodenough	16	2021-04-30
Natural Products Discovery and Development: A Themed Issue Dedicated to Professor Leslie Gunatilaka	16	2021-06-30

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