

Trends and Observations: How COVID-19 changes Submission & Usage Pattern

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Questions

Did COVID-19 affect submission number? Any decrease or increase in which subject area?

Did it take longer to finish peer review process for a manuscript?

What is the pattern for COVID-19 related manuscript submitted?

Did global lockdown impact journal article usage? What are hot topics around COVID-19 and their usage performance?

Comparing with global result, how did Taiwan perform in COVID-19 situation? Did we contribute any COVID-19 research to global research community? Any possible support librarian could provide?

Agenda

- Submission Trends
- Usage Trends
- Summary

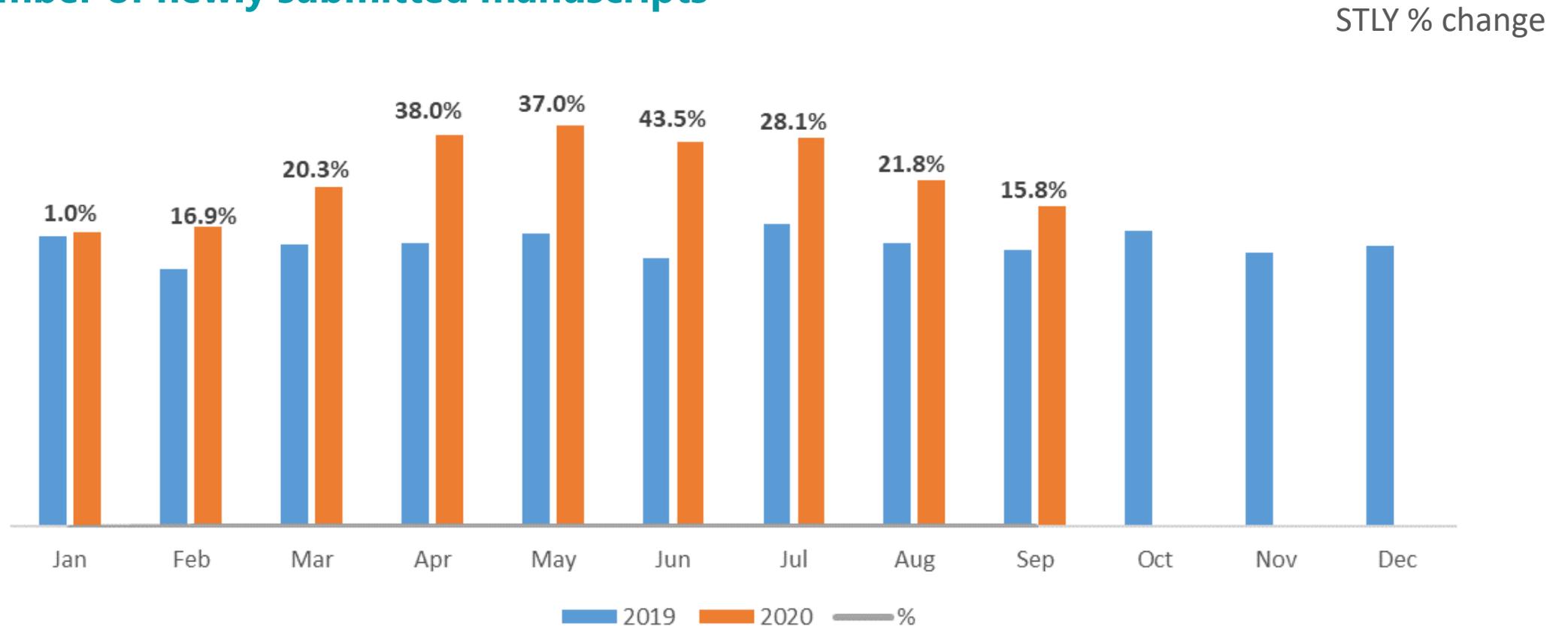


A close-up photograph of a hand watering young green plants in a field. The hand is positioned on the right side of the frame, with water dripping from the fingers onto the soil. The plants are small and green, growing in dark, rich soil. The background is slightly blurred, showing more plants in the distance. The overall lighting is soft and natural, suggesting an outdoor setting.

Submission

Submission Trends

Number of newly submitted manuscripts

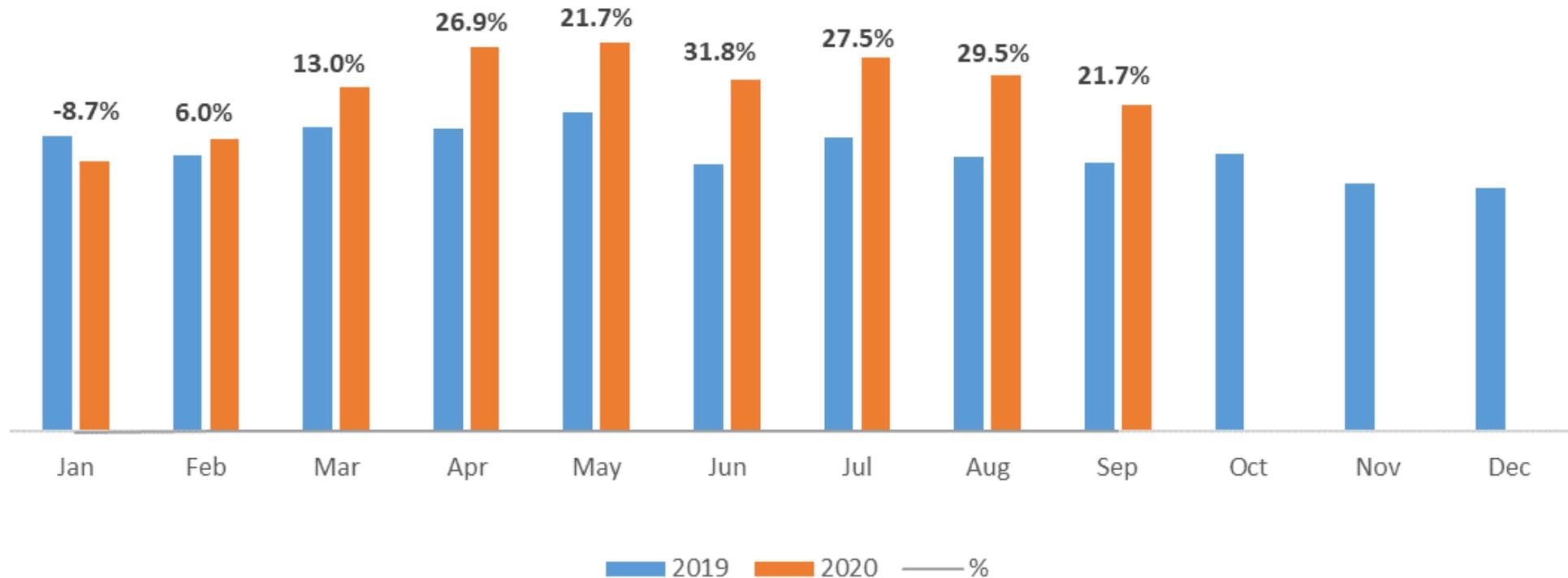


Source: Submission – Wiley Data Lake, Qlik Sense

Submission Trends

Number of newly submitted manuscripts – Taiwan

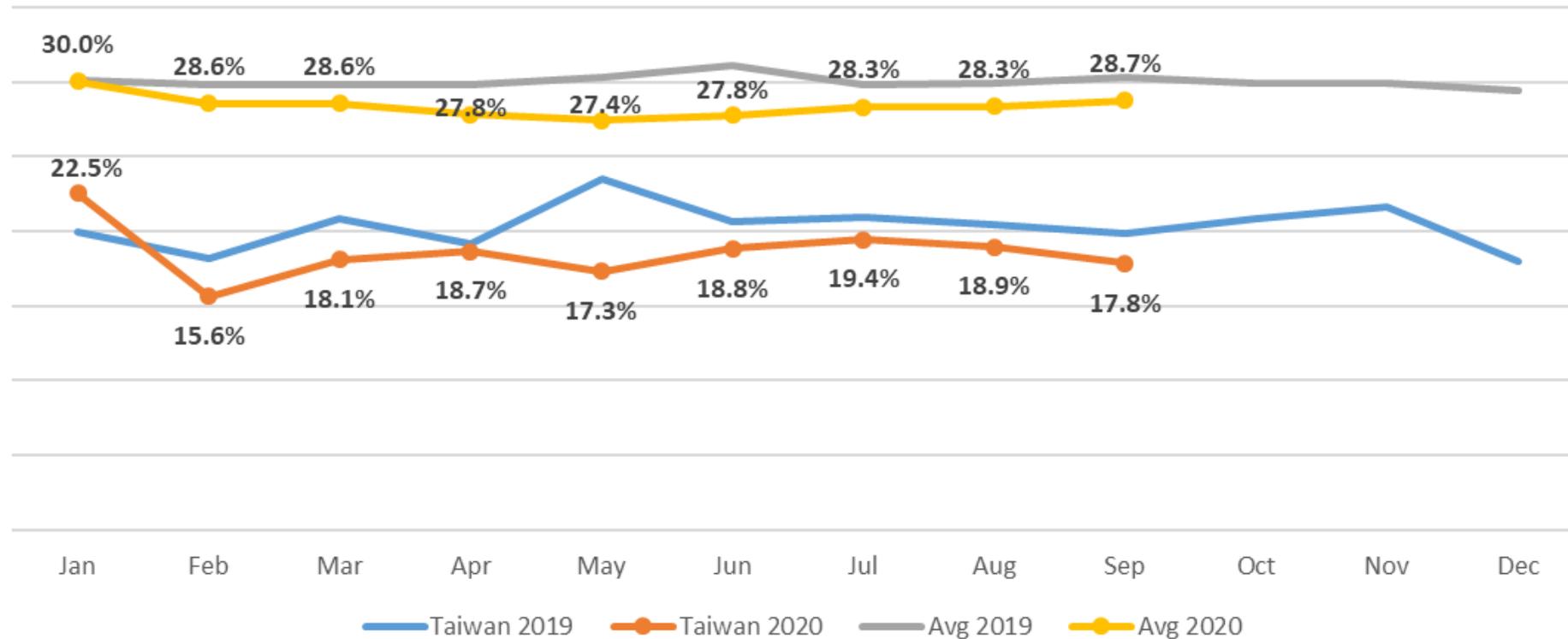
STLY % change



Source: Submission – Wiley Data Lake, Qlik Sense

Submission Trends

Acceptance Rate



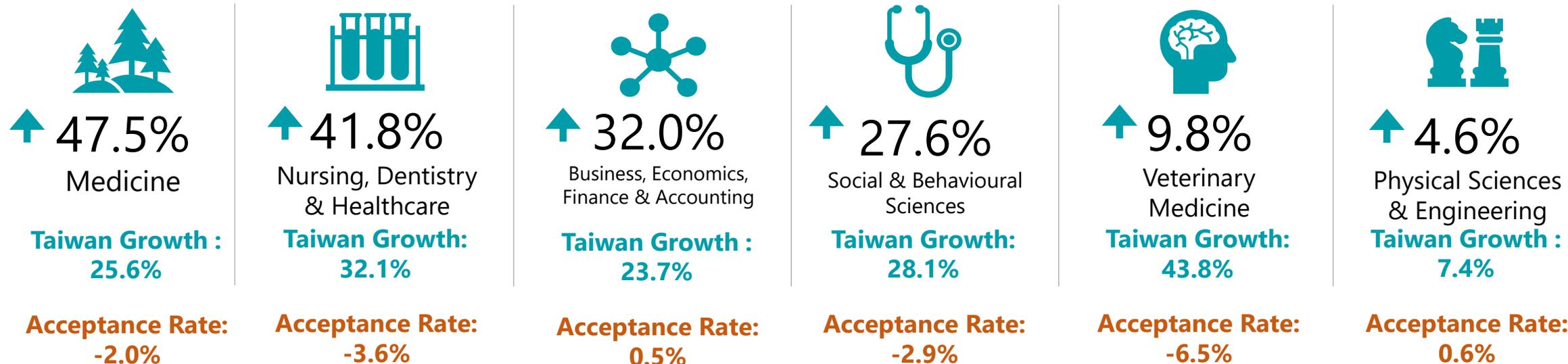
Source: Submission – Wiley Data Lake, Qlik Sense

Submission Trends

Subject Trend

Most of newly added manuscripts are from health sciences related subjects, such as Medicine, Nursing, Dentistry & Healthcare, but the increase didn't squeeze out papers from other subjects.

STLY Jan to Sep % change



Source: Submission – Wiley Data Lake, Qlik Sense

Submission Trends

Peer review time

With the increased volume of manuscripts to be reviewed, the median days to first decision and acceptance are decreasing.

STLY Jan to Sep % change

	Median days to	
	Frist Decision	Acceptance
Average	-18.1%	-7.6%
Taiwan	-13.9%	-8.7%

Source: Submission – Wiley Data Lake, Qlik Sense

Submission Trends

COVID-19 related manuscripts

The peak was around May and June 2020 with increased new submission & accepted articles and the acceptance rate is going toward normal level.

		New Submission	Accepted	Pending	Rejected	Acceptance Rate
201911	Nov	9	6	1	2	75.0%
201912	Dec	22	13	4	5	72.2%
202001	Jan	44	21	9	14	60.0%
202002	Feb	280	111	24	145	43.4%
202003	Mar	1741	619	105	1017	37.8%
202004	Apr	6287	1849	370	4068	31.2%
202005	May	7867	1941	607	5319	26.7%
202006	Jun	6763	1383	750	4630	23.0%
202007	Jul	5828	824	1063	3941	17.3%
202008	Aug	4828	405	1475	2948	12.1%
202009	Sep	4128	132	2321	1675	7.3%

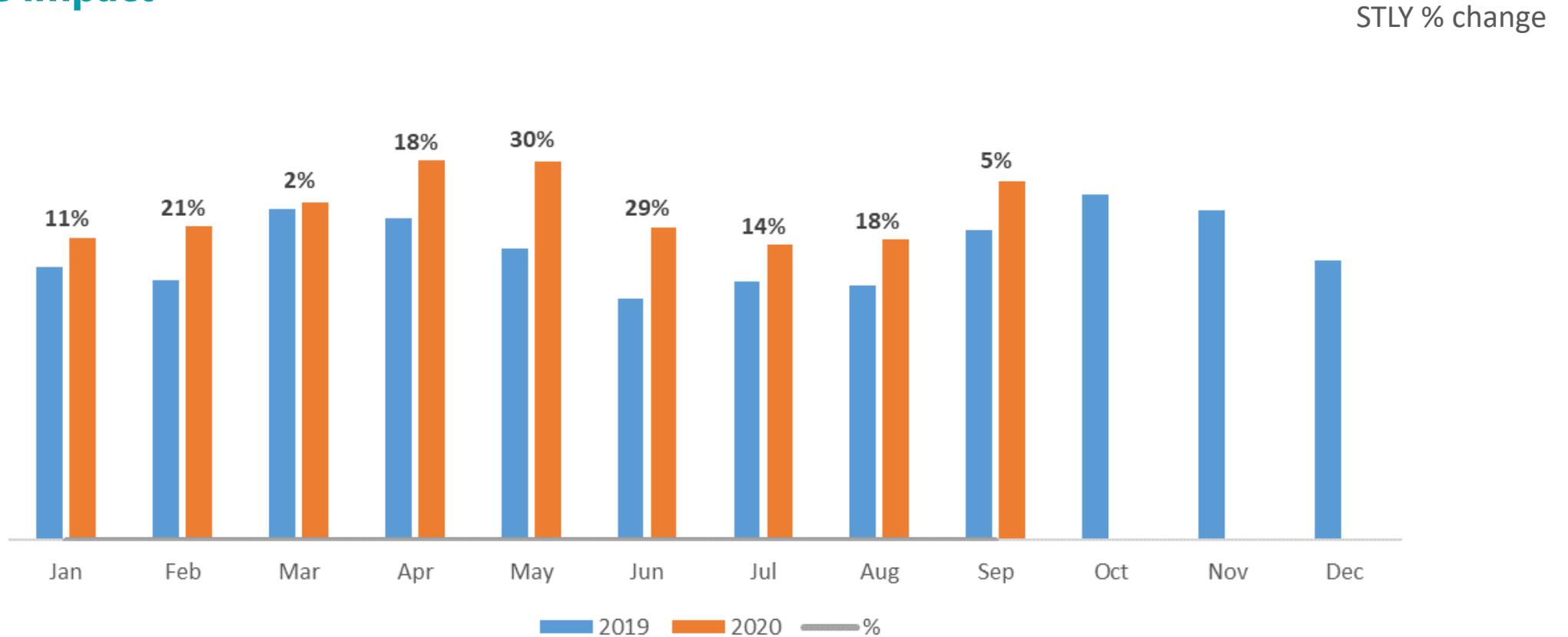
Source: Submission – Wiley Data Lake, Qlik Sense

Usage



Usage Trends

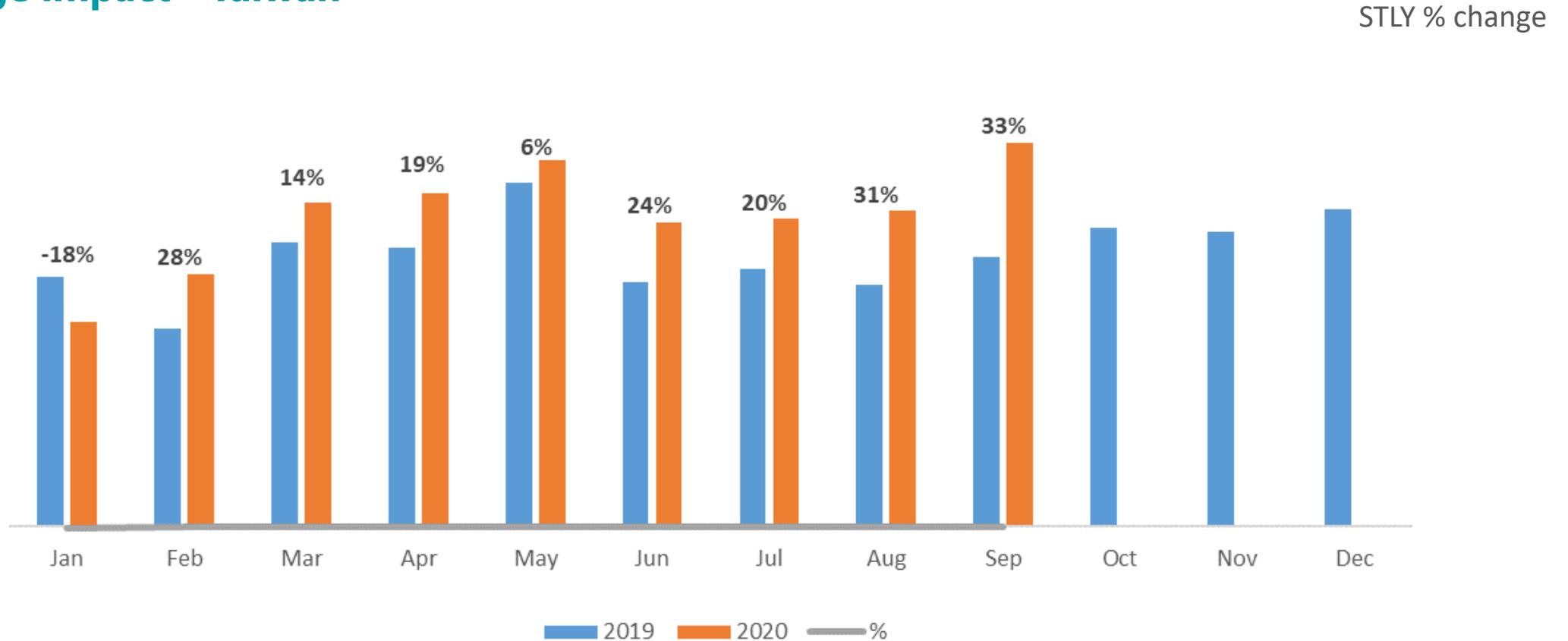
Usage impact



Source: Usage – Wiley Data Lake, Qlik Sense

Usage Trends

Usage impact - Taiwan



Source: Usage – Wiley Data Lake, Qlik Sense

Usage Trends

COVID-19 related hot topics

COVID-19 related articles generally got an massive usage boost since beginning of 2020, up to September, 4 out of 10 top articles ware COVID-19 related papers.

	Article Title	Journal Name	DOI	Usage
1	The neuroinvasive potential of SARS-CoV2 may play a role in the respiratory failure of COVID-19 patients	Journal of Medical Virology	http://doi.org/10.1002/jmv.25728	271,336
2	Angiotensin receptor blockers as tentative SARS-CoV-2 therapeutics	Drug Development Research	http://doi.org/10.1002/ddr.21656	172,526
3	Individuals with obesity and COVID-19: A global perspective on the epidemiology and biological relationships	Obesity Reviews	http://doi.org/10.1111/obr.13128	108,168
4	Clinical characteristics of 140 patients infected with SARS-CoV-2 in Wuhan, China	Allergy	http://doi.org/10.1111/all.14238	93,027
5	Coronavirus disease 2019: The harms of exaggerated information and non-evidence-based measures	European Journal of Clinical Investigation	http://doi.org/10.1111/eci.13222	67,858

Source: Usage – Wiley Data Lake, Qlik Sense

Usage Trends

Contribution from Taiwan

With 200+ COVID-19 related manuscripts submitted by Taiwanese lead author, at least 32 research results were published in 24 journals.

	Article Title	Journal Name	DOI	Usage
1	The potential chemical structure of anti-SARS-CoV-2 RNA-dependent RNA polymerase	JOURNAL OF MEDICAL VIROLOGY	http://doi.org/10.1002/JMV.25761	30,310
2	Biosafety in the preparation and processing of cytology specimens with potential coronavirus (COVID-19) infection: Perspectives from Taiwan	CANCER CYTOPATHOLOGY	http://doi.org/10.1002/CNCY.22280	11,590
3	Progress and Concept for COVID-19 Vaccine Development	BIOTECHNOLOGY JOURNAL	http://doi.org/10.1002/BIOT.202000147	3,138
4	Current status of mesenchymal stem cell therapy for immune/inflammatory lung disorders: Gleaning insights for possible use in COVID-19	STEM CELLS TRANSLATIONAL MEDICINE	http://doi.org/10.1002/SCTM.20-0186	2,668
5	Points to consider in the preparation and transfusion of COVID-19 convalescent plasma	VOX SANGUINIS	http://doi.org/10.1111/VOX.12939	2,237

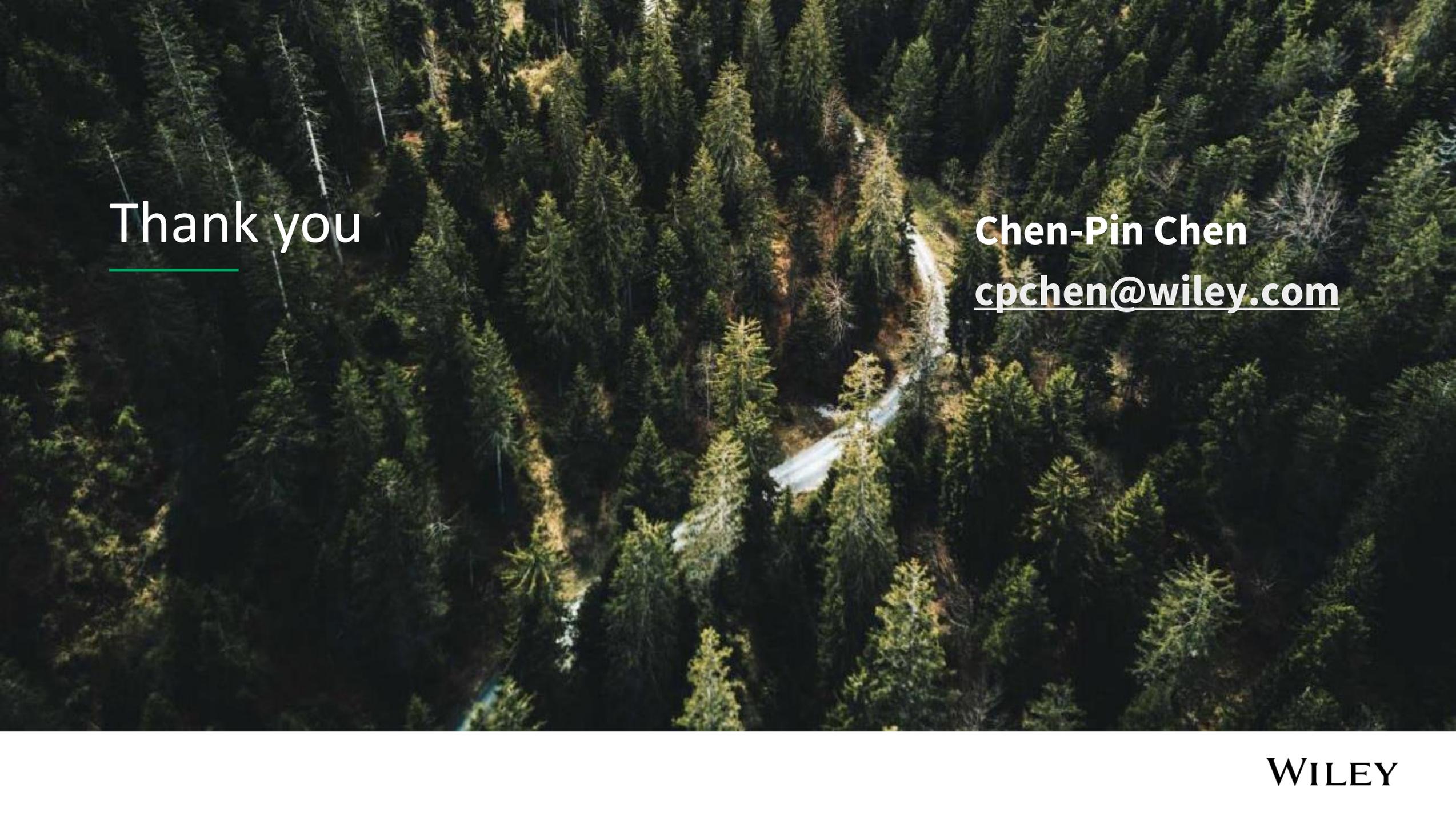
Source: Usage – Wiley Data Lake, Qlik Sense

Summary

Summary

From the data, we clearly can see researchers and research community showed an excessive resilient and grit:

- Submission was still increasing, acceptance rate wasn't affected much,
- Most of submission growth was around health sciences related subjects,
- Peer review time was improved and number of submitted COVID-19 related manuscripts is going back to normal level,
- Usage was growing even during global lockdown period (roughly March to June),
- Taiwan is using its own experience to contribute and support global community.

An aerial photograph of a dense, green forest. A winding road or path is visible, cutting through the trees. A small stream or waterfall is also visible, flowing through the forest. The lighting is bright, creating high contrast between the dark green of the trees and the lighter areas where the road and stream are.

Thank you

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