

SUPPLEMENTARY MATERIAL

Supplementary Table 1. Comparison of research topic categories of COVID-19 publications between allergy and non-allergy journals.

	Allergy journals	Non-allergy journals	Percentage-point-difference (95% CI)	P value
Total number of COVID-19 publications (%)	923 (4.5)	205059 (995.5)		
Research topic[†]				
Mechanism, n (%)	388 (42.0)	59089 (28.8)	13.2 (10.0 to 16.4)	<.001
Transmission, n (%)	48 (5.2)	24513 (12.0)	-6.8 (-5.3 to -8.2)	<.001
Diagnosis, n (%)	226 (24.5)	36368 (17.7)	6.8 (4.0 to 9.5)	<.001
Treatment, n (%)	476 (51.6)	88171 (43.0)	8.6 (5.3 to 11.8)	<.001
Prevention, n (%)	366 (39.7)	75793 (37.0)	2.7 (-0.5 to 5.9)	.09
Case report, n (%)	98 (10.6)	19568 (9.5)	1.1 (-0.9 to 3.1)	.27
Forecasting, n (%)	30 (3.3)	14167 (6.9)	-3.7 (-2.5 to -4.8)	<.001

Abbreviations: 95% CI: 95% confidence interval.

[†]COVID-19 publications may comprise more than one research topic.

Supplementary Table 2. Research topic categories of COVID-19 publications among journal impact factor quartiles of allergy journals.

	Q1	Q2	Q3	Q4
Total number of COVID-19 publications in allergy journals (%)	571 (61.9)	145 (15.7)	142 (15.4)	65 (7.0)
Research topic[†]				
Mechanism				
N (%)	224 (39.2)	72 (49.7)	60 (42.3)	32 (49.2)
OR (95% CI)	0.65 (0.45 to 0.94)	Reference	0.74 (0.47 to 1.18)	0.98 (0.55 to 1.77)
p-value	.02	Reference	.21	.96
Transmission				
N (%)	27 (4.7)	5 (3.5)	8 (5.6)	8 (12.3)
OR (95% CI)	0.35 (0.15 to 0.81)	0.25 (0.08 to 0.81)	0.43 (0.15 to 1.19)	Reference
p-value	.02	.02	.10	Reference
Diagnosis				
N (%)	135 (23.6)	58 (28.3)	27 (19.0)	23 (35.4)
OR (95% CI)	0.57 (0.33 to 0.97)	0.72 (0.39 to 1.34)	0.43 (0.22 to 0.83)	Reference
p-value	.04	.30	.01	Reference
Treatment				
N (%)	275 (48.2)	82 (56.6)	82 (57.8)	37 (56.9)
OR (95% CI)	0.68 (0.47 to 0.99)	0.95 (0.60 to 1.52)	Reference	0.97 (0.53 to 1.75)
p-value	.04	.84	Reference	.91
Prevention				
N (%)	213 (37.3)	63 (43.5)	55 (38.7)	35 (53.9)
OR (95% CI)	0.51 (0.30 to 0.85)	0.66 (0.37 to 1.19)	0.54 (0.30 to 0.98)	Reference
p-value	.01	.16	.04	Reference
Case report				
N (%)	50 (8.8)	20 (13.8)	20 (14.1)	8 (12.3)
OR (95% CI)	0.59 (0.34 to 1.02)	0.98 (0.50 to 1.90)	Reference	0.86 (0.36 to 2.06)
p-value	.06	.94	Reference	.73
Forecasting				
N (%)	16 (2.8)	4 (2.8)	9 (6.3)	1 (1.5)
OR (95% CI)	0.43 (0.18 to 0.99)	0.42 (0.13 to 1.39)	Reference	0.23 (0.03 to 1.86)
p-value	.046	.16	Reference	.17

Abbreviations: Q1, first journal impact factor quartile; Q2, second journal impact factor quartile; Q3, third journal impact factor quartile; Q4, forth journal impact factor quartile.

[†]COVID-19 publications may comprise more than one research topic.