



Impact of Retracted Journal Articles: Online COVID-19 Misinformation

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Phrase 1

How are retracted scientific journal articles relating to COVID-19 influencing discourse about COVID-19 on Facebook?

Phrase 2

If the overall sentiment towards retracted scientific journal articles (RSJAs) relating to COVID-19 on Facebook does not change post-retraction, then RSJAs will continue to contribute to misinformation surrounding COVID-19 even after retraction.

Conclusions

- Many of the retractions were not retracted due promoting false information
- The overall sentiment on Facebook was largely unchanged after retraction
- The set of retractions used is probably not representative of all the potentially misleading research relating to COVID-19.

Future Extensions

- Use a more sophisticated sentiment analysis program
- Do analyses on other social medias

LIFE OF A COVID-19 RETRACTED ARTICLE



Results

Table 1	Article Name	Mentions	Date Published	Date Retracted	Days Published Prior to Retraction
	RETRACTED: 5G Technology and induction of coronavirus in skin cells	22	7/16/2020	7/24/2020	8
	WITHDRAWN: Can Traditional Chinese Medicine provide insights into controlling the COVID-19 pandemic: Serpentinization Cardiovascular Disease, Drug Therapy, and Mortality in Covid-19	1	10/8/2020	11/5/2020	28
	RETRACTED: Chinese medical staff request international medical assistance in fighting against COVID-19	27	5/1/2020	6/4/2020	34
	RETRACTED: Chloroquine or hydroxychloroquine for COVID-19: why might they be hazardous?	1	2/24/2020	2/26/2020	2
	Decrease in Hospitalizations for COVID-19 after Mask Mandates in 1083 U.S. Counties	3	5/22/2020	7/9/2020	48
	Effectiveness of Surgical and Cotton Masks in Blocking SARS-CoV-2: A Controlled Comparison in 4 Patients	3	10/23	11/4/2020	12
	RETRACTED: Hydroxychloroquine or chloroquine with or without a macrolide for treatment of COVID-19: a multinational registry analysis	47	4/6/2020	6/1/2020	56
	RETRACTED ARTICLE: SARS-CoV-2 infects T lymphocytes through its spike protein-mediated membrane fusion	76	5/22/2020	6/4/2020	13
	Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag	9	4/7/2020	7/10/2020	94
	The Role of Vitamin D in Suppressing Cytokine Storm and Associated Mortality in COVID-19 Patients	22	1/31/2020	2/2/2020	2
		8	4/10/2020	4/15/2020	5

Research Process



Fig 1

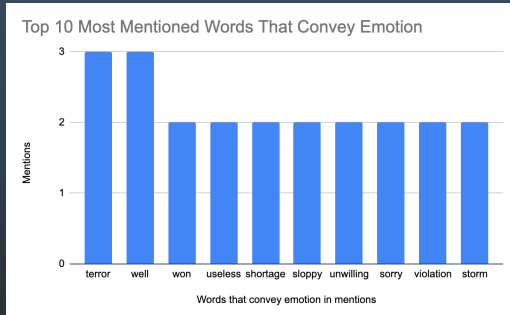


Fig 2



Fig 3

