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ANALYSIS OF COVID-19 ARTICLES PUBLISHED IN DENTAL JOURNALS

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Introduction

o The COVID-19 pandemic is an ongoing health crisis with unmatched impacts

o Infodemic of published articles

o Dentistry as a biomedical field has contributed to the generation and dissemination of knowledge about COVID-19 in several areas:

- Salivary diagnostics
- Oral manifestations
- Infection control
- Dental education
- Practice management

o Analysis of the COVID-19 output of dental journals can provide a provide a general outlook on published articles

Aim: In this study we aim to present a science mapping analysis of the research output of dental journals on COVID-19.

Methods

- The PubMed COVID-19 database was searched with "Dental Journals" filter

- Data including journal name, country, month of publication and number of citations were recorded

- Science mapping analysis of the most used keywords was also performed

Results and Discussion
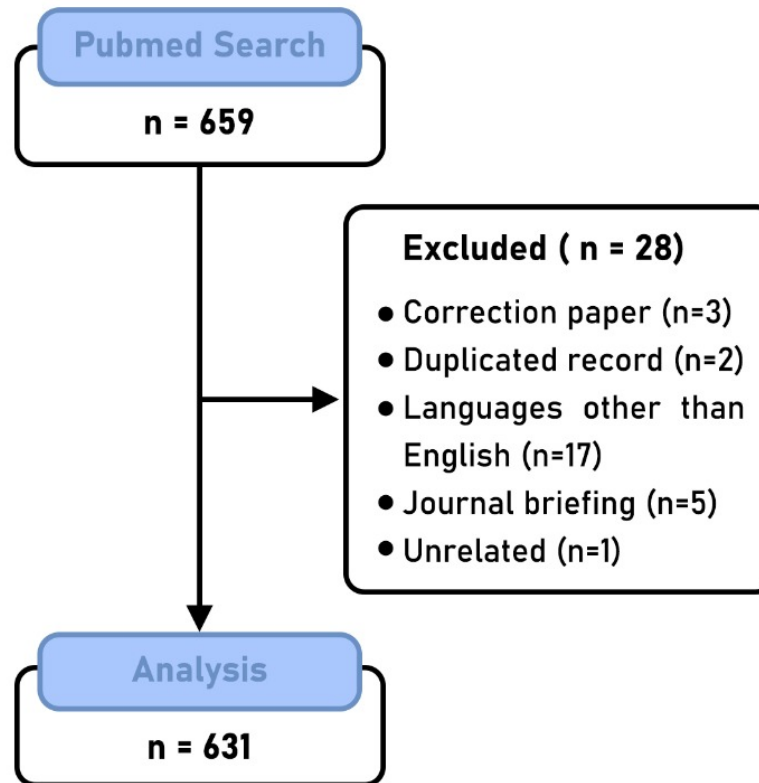
Flow diagram of the analyzed articles.
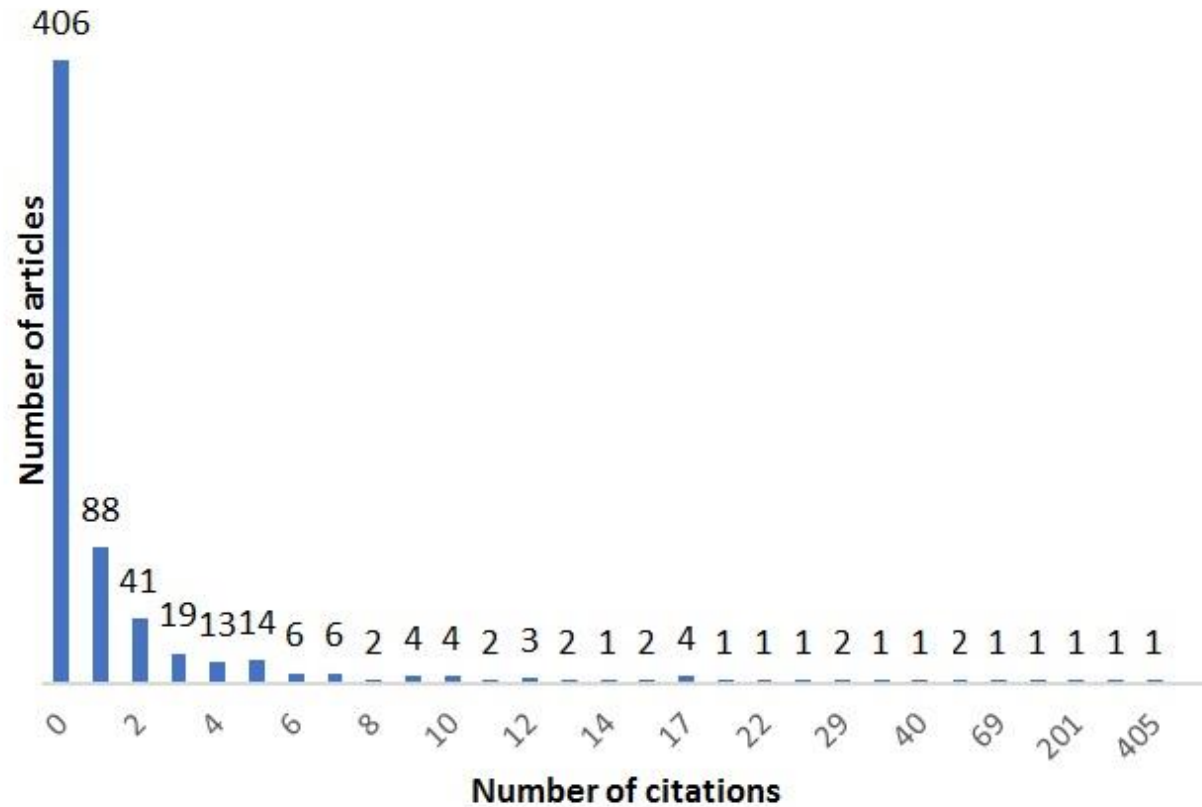
Results and Discussion
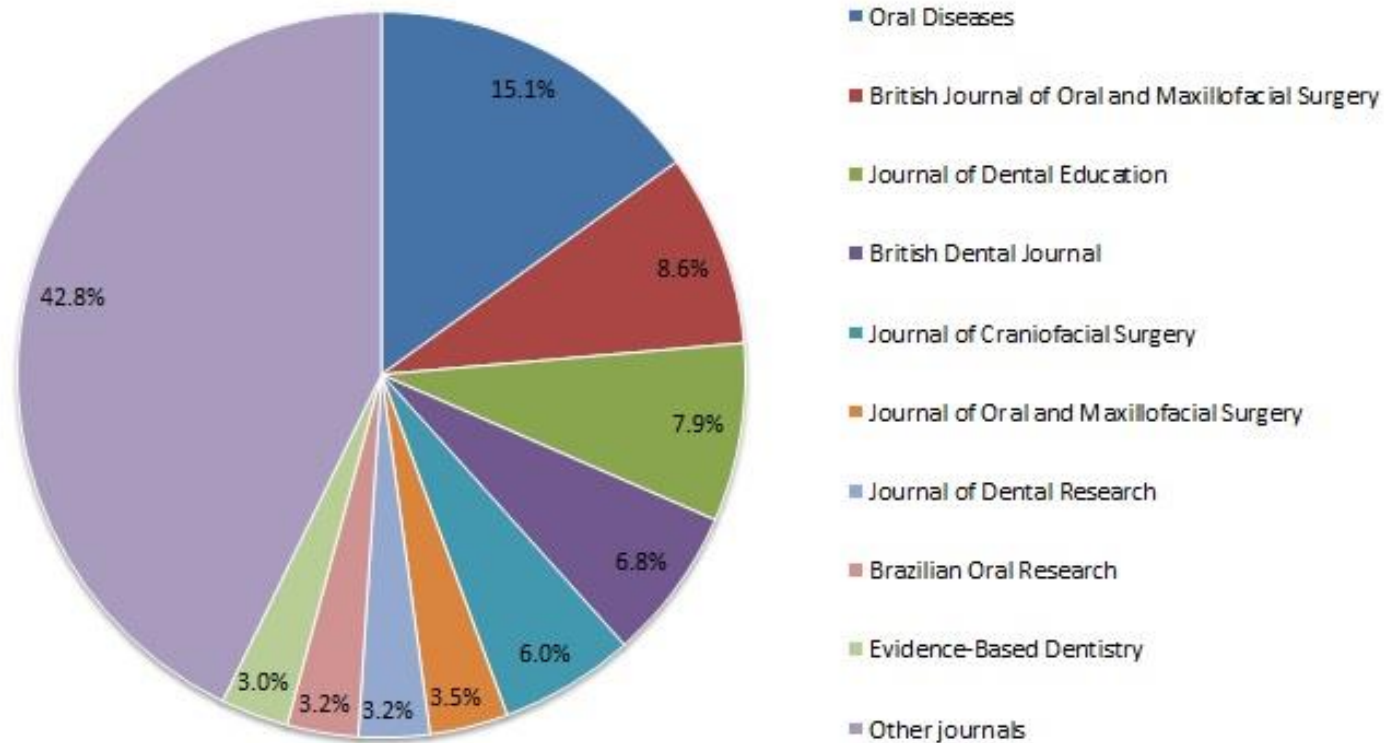
Dental journals with the highest number of COVID-19 articles.

Results and Discussion

1. United States   (168)

2. United Kingdom   (120)

3. Brazil   (83)

4. Italy   (64)

5. China   (53)

6. India   (35)

Results and Discussion

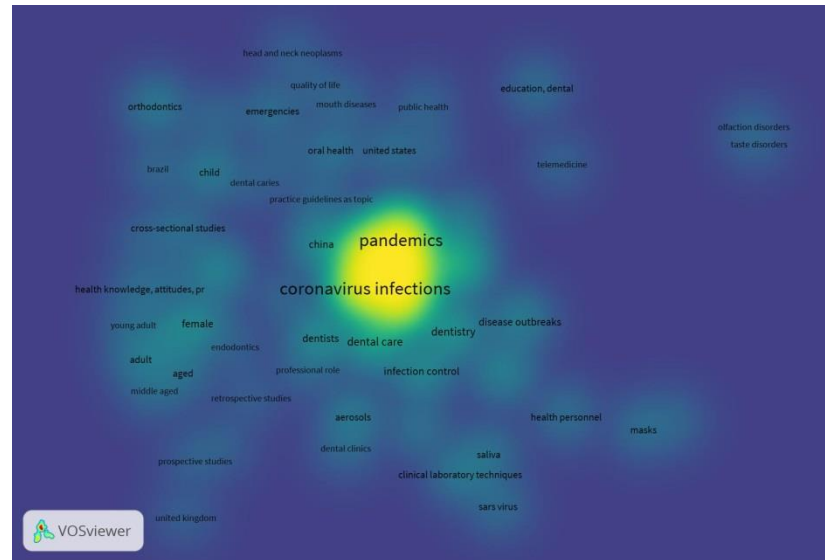Frequency of PubMed citations.

Results and Discussion

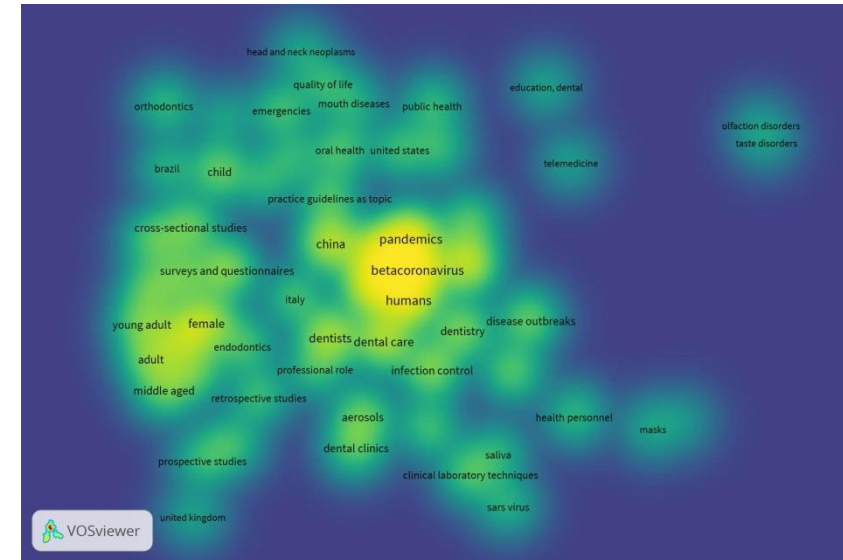Frequency of articles published in different months.

Results and Discussion
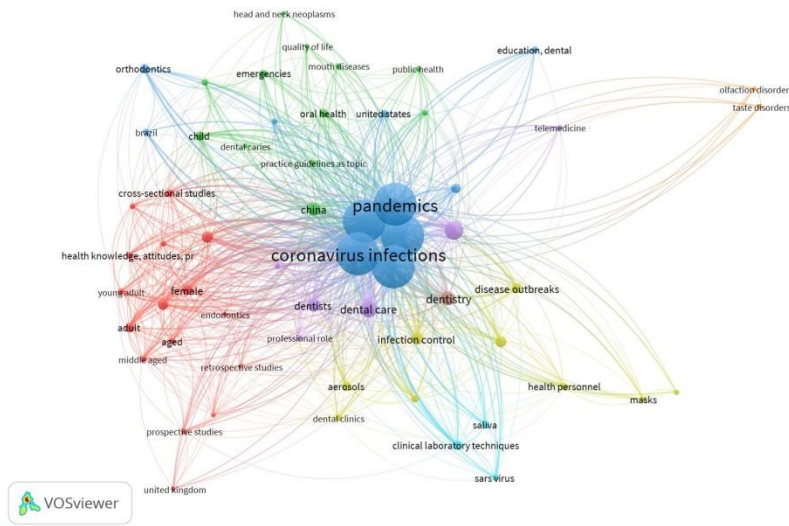
a

b

c

(a) Network visualization of the keywords showing 60 nodes and 8 clusters; (b) Density visualization of the keywords in occurrence (c) and link modes.

Conclusions

o The dental community has been active in publication of COVID-19 articles from the beginning of the pandemic.

o A total of 659 articles were found in the PubMed COVID-19 database with a wide range of topics.

o Further subject- specific reviews are recommended in order to address important implications of COVID- 19 in dentistry.

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