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Effect of COVID-19 on autism spectrum disorders: A bibliometric analysis based on original articles

Li Jiangshan[1], Lyu Kaifeng[2], Chen Min[3], Zhang Wei[4], and Hu Meichao[5]

[1]Hunan University of Chinese Medicine
[2]Macau University of Science and Technology
[3]Macau University of Science and Technology State Key Laboratory of Quality Research in Chinese Medicines
[4]First Hospital of Heilongjiang University of Chinese Medicine
[5]Chifeng Obstetrics and Gynecology Hospital

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Abstract

objective: The objective of this bibliometric inquiry was to scrutinize domains that delve into the repercussions of the COVID-19 pandemic on individuals afflicted with ASD, worldwide scholarly findings of interrelated research, and forthcoming trajectories. **Method.** To perform a literature analysis, the Web of Science Core Collection (WoScc) database is recommended. Look for literature related to ASD and COVID-19. For visual analysis and network creation of authors, organizations, countries, and keywords, CiteSpace and VosViewer can be utilized. **Result.** This study analyzed 771 papers and found increasing publications, with the United States, United Kingdom, and Italy leading in relevant literature. The University of London and Happe_Francesca were the most productive in terms of papers and researchers, respectively. Research on the impact of COVID-19 on autism spectrum disorder was mainly found in J AUTISM DEV DISORD. Parenting stress, enhancing adherence, and acute stress disorder were popular topics of investigation. Future research may focus on interventions, qualitative research, Disabilities Monitoring Network, neurodevelopmental disabilities, perceived stress, and barriers. **Conclusion.** This bibliometric analysis delineates the fundamental structure for assessing the impact of COVID-19 on ASD by scrutinizing crucial indicators. Future research could explore the stress, anxiety, and strategies for individuals with ASD and their The use of telemedicine can be studied in depth, as a new idea for ASD diagnosis and intervention training, it is worthwhile. The use of telemedicine can be studied in depth, as a new idea for ASD diagnosis and intervention training, it is worth exploring, such as Disabilities Monitoring Network, etc.

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`International Journal of Health Planning and Management.doc` available at https://authorea.com/users/633070/articles/651646-effect-of-covid-19-on-autism-spectrum-disorders-a-bibliometric-analysis-based-on-original-articles

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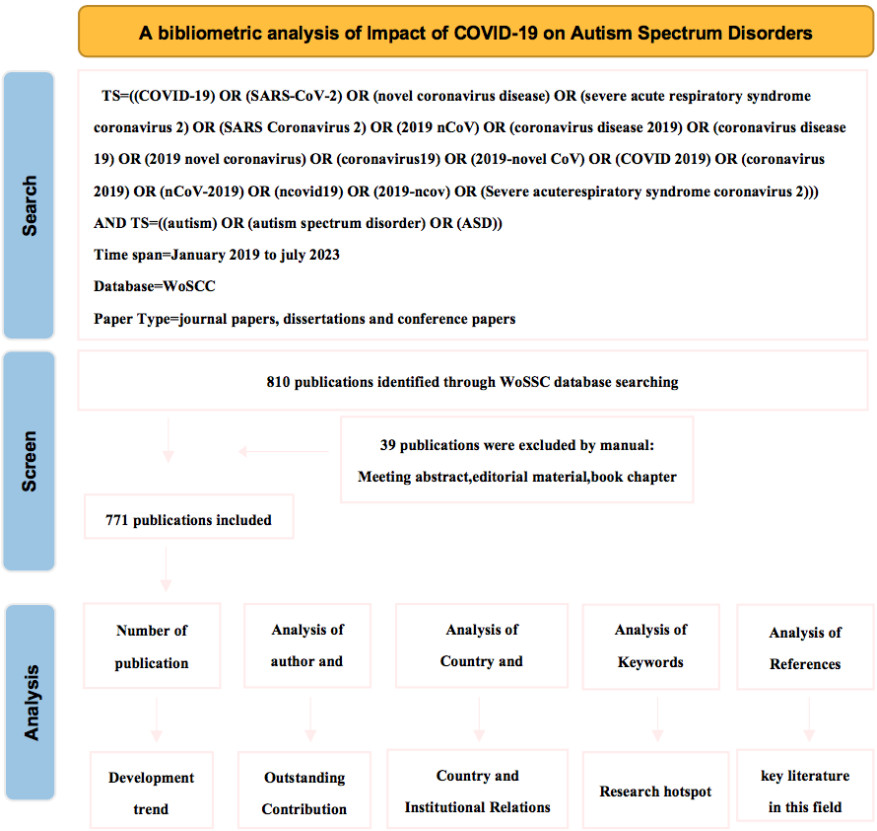

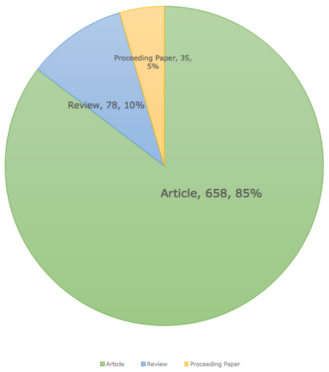

Fig. 2. (A) Type of publications

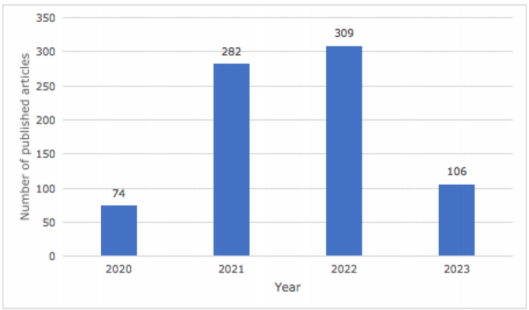

Fig. 2. (B) The combination chart of the number of annual

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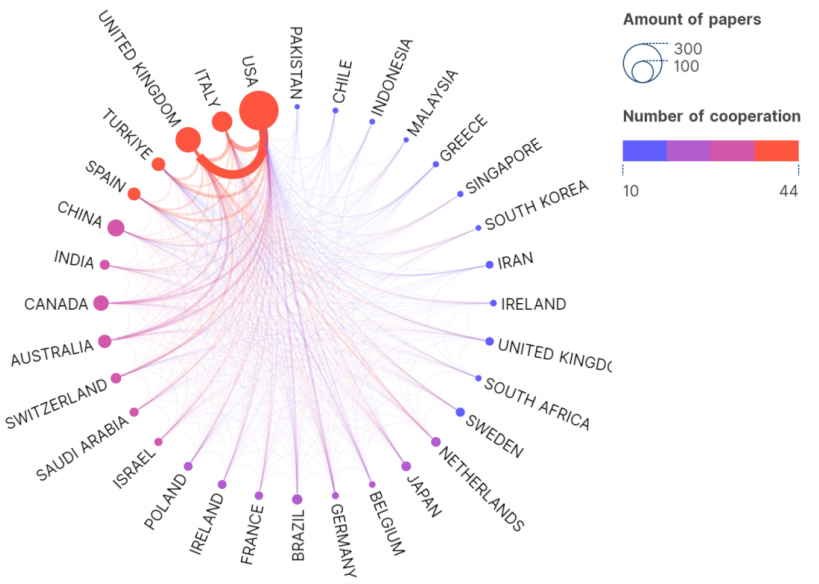

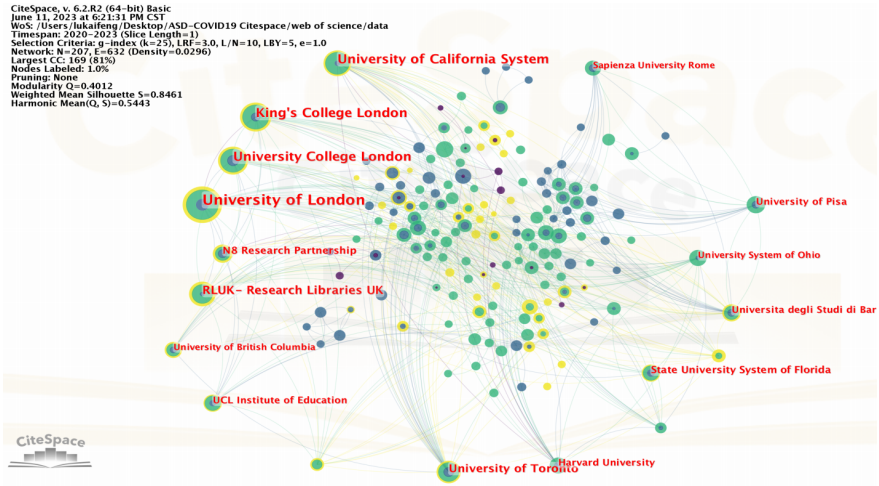

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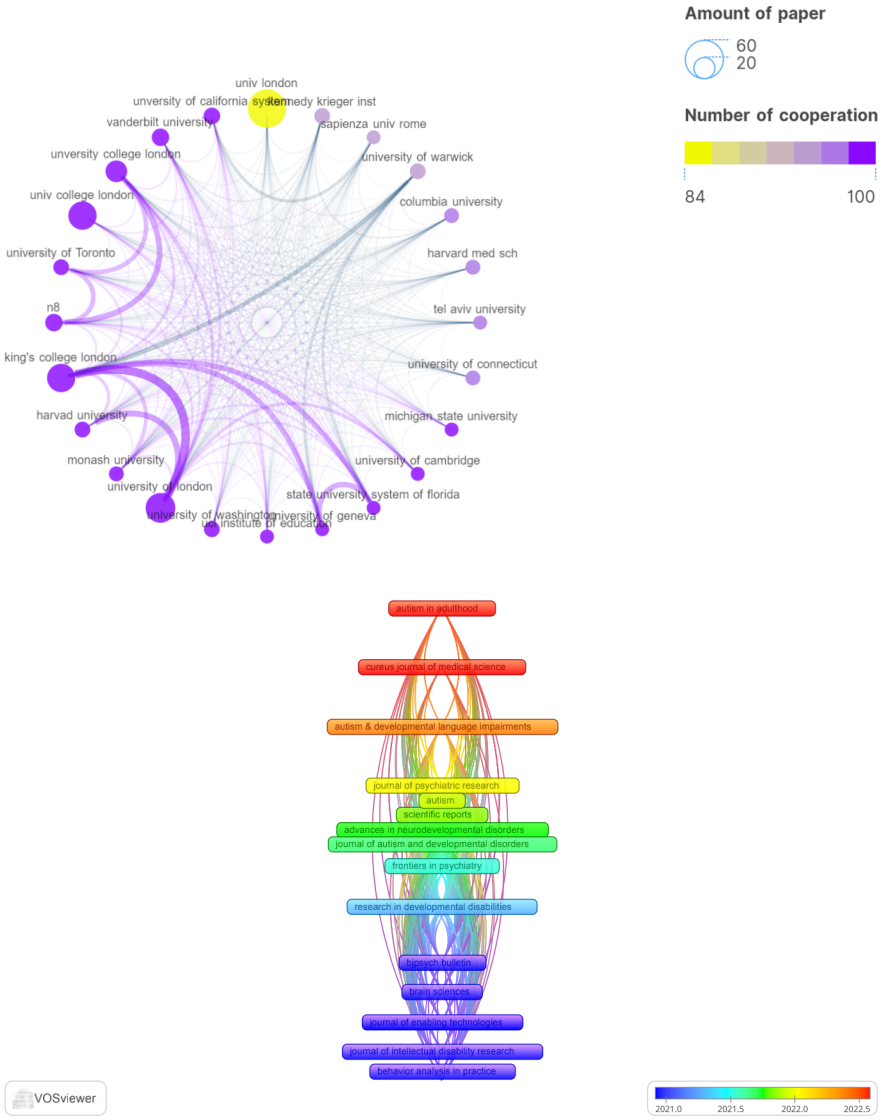

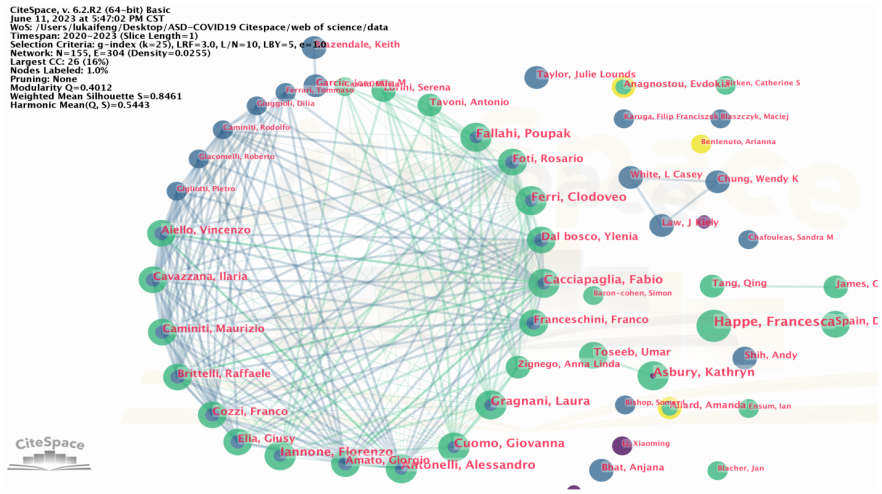

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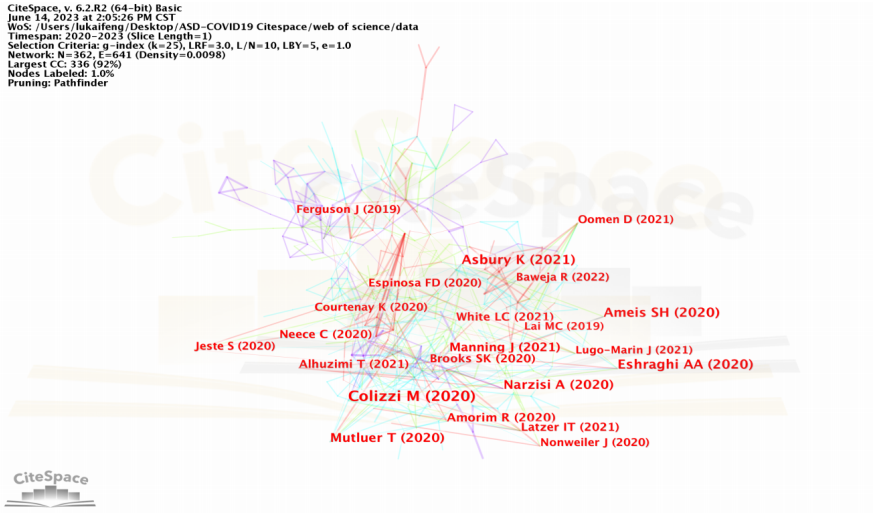

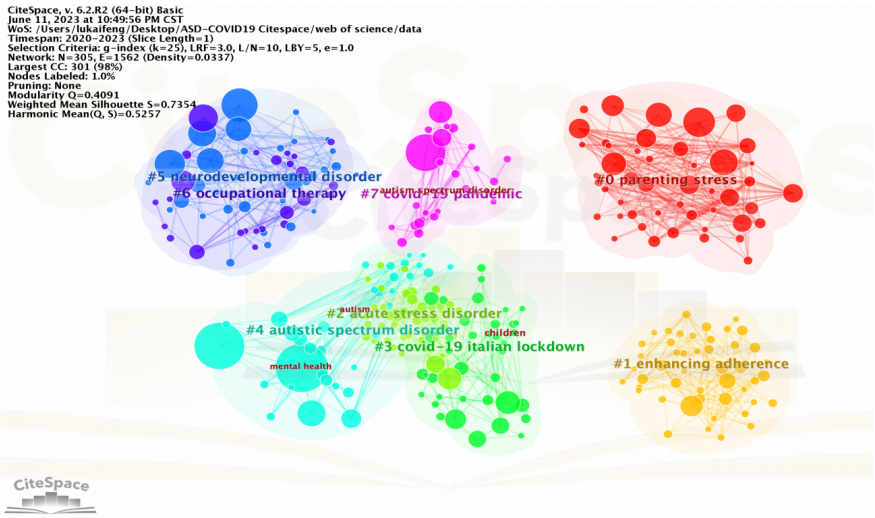

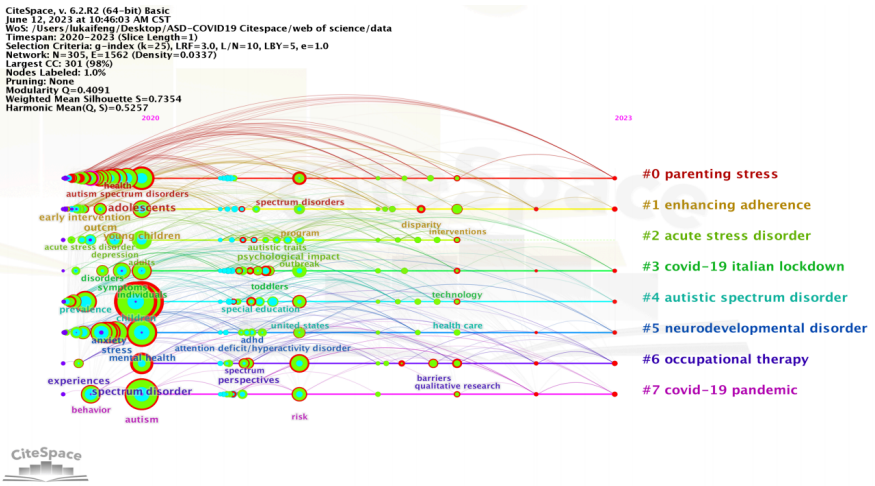

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Top 25 Keywords with the Strongest Citation Bursts

Keywords	Year	Strength	Begin	End	2020 - 2023
interventions	2022	2.37	2022	2023	
qualitative research	2022	1.87	2022	2023	
exercise	2020	1.86	2020	2021	
behavior problems	2020	1.63	2020	2021	
disabilities monitoring network	2022	1.44	2022	2023	
neurodevelopmental disabilities	2022	1.44	2022	2023	
perceived stress	2022	1.44	2022	2023	
barriers	2022	1.4	2022	2023	
parents	2020	2.66	2020	2020	
neurodevelopmental disorders	2021	2.41	2021	2021	
resilience	2021	2.25	2021	2021	
intervention	2020	2.14	2020	2020	
exposure	2021	1.92	2021	2021	
behavior analysis	2020	1.82	2020	2020	
essential services	2020	1.82	2020	2020	
stay at home	2020	1.82	2020	2020	
acceptance	2020	1.82	2020	2020	
behavior	2020	1.78	2020	2020	
parenting stress	2020	1.62	2020	2020	
obesity	2021	1.6	2021	2021	
age	2021	1.6	2021	2021	
preschool children	2021	1.6	2021	2021	
social isolation	2021	1.6	2021	2021	
problem behavior	2020	1.55	2020	2020	
acute stress disorder	2020	1.46	2020	2020	