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A Systematic Review of Impacts of the COVID-19 Pandemic on Acoustic Environments

Xinmiao ZHU[1,3,4], Fangfang LIU[2,3,4,*], Jian KANG[5,*], Yue WU[3,4,*], Cheng SUN[3,4], Ying LIU[3,4], Weijia WANG[3,4]

1 School of Architecture & Urban Planning, Huazhong University of Science and Technology, Wuhan 430074, China

2 Technology Innovation Center for Cultural Heritage Conservation and Regeneration of National Territory Space, Ministry of Natural Resources, Shanghai 200092, China

3 School of Architecture and Design, Harbin Institute of Technology, Harbin 150001, China

4 Key Laboratory of Cold Region Smart Human Settlement Environment Science and Technology, Ministry of Industry and Information Technology, Harbin 150001, China

5 UCL Institute for Environmental Design and Engineering, the Bartlett, University College London, London WC1H 0NN, United Kingdom

***CORRESPONDING AUTHORS**

Fangfang LIU

Address: No. 92 West Dazhi Street, Nangang District, Harbin 150001, China

Email: liufangfang@hit.edu.cn

Jian KANG

Address: UCL Institute for Environmental Design and Engineering, The Bartlett, University College London, London WC1H 0NN, United Kingdom

Email: j.kang@ucl.ac.uk

Yue WU

Address: No. 92 West Dazhi Street, Nangang District, Harbin 150001, China

Email: wuyuehit@hit.edu.cn

Supplementary Table 1: Studies included in the review

No.	Author(s)	Year	Title	Journal
1	F. Aletta; S. Brinchi; S. Carrese; A. Gemma; C. Guattari; L. Mannini; S. M. Patella	2020	Analysing urban traffic volumes and mapping noise emissions in Rome (Italy) in the context of containment measures for the COVID-19 disease	*Noise Mapping*
2	F. Aletta; T. Oberman; A. Mitchell; H. Tong; J. Kang	2020	Assessing the changing urban sound environment during the COVID-19 lockdown period using short-term acoustic measurements	*Noise Mapping*
3	F. Aletta; D. Osborn	2020	The COVID-19 global challenge and its implications for the environment—What we are learning	*UCL Open Environment*
4	C. Asensio; P. Aumond; A. Can; L. Gasco; P. Lercher; J. M. Wunderli; C. Lavandier; G. de Arcas; C. Ribeiro; P. Munoz; G. Licitra	2020	A Taxonomy Proposal for the Assessment of the Changes in Soundscape Resulting from the COVID-19 Lockdown	*International Journal of Environmental Research and Public Health*
5	C. Asensio; I. Pavon; G. de Arcas	2020	Changes in noise levels in the city of Madrid during COVID-19 lockdown in 2020	*Journal of the Acoustical Society of America*

No.	Author(s)	Year	Title	Journal
6	M. J. Beck; D. A. Hensher	2020	Insights into the impact of COVID-19 on household travel and activities in Australia—The early days under restrictions	*Transp Policy (Oxf)*
7	H. Chen; K. Zhang	2020	Insight into the psychological problems on the epidemic of COVID-19 in China by online searching behaviors	*Journal of Affective Disorders*
8	E. De Lauro; M. Falanga; L. T. Lalli	2020	The soundscape of the Trevi fountain in Covid-19 silence	*Noise Mapping*
9	E. P. Derryberry; J. N. Phillips; G. E. Derryberry; M. J. Blum; D. Luther	2020	Singing in a silent spring: Birds respond to a half-century soundscape reversion during the COVID-19 shutdown	*Science*
10	N. S. Diffenbaugh; C. B. Field; E. A. Appel; I. L. Azevedo; D. D. Baldocchi; M. Burke; J. A. Burney; P. Ciais; S. J. Davis; A. M. Fiore; S. M. Fletcher; T. W. Hertel; D. E. Horton; S. M. Hsiang; R. B. Jackson; X. Jin; M. Levi; D. B. Lobell; G. A. McKinley; F. C. Moore; A. Montgomery; K. C. Nadeau; D. E. Pataki; J. T. Randerson; M. Reichstein; J. L. Schnell; S. I. Seneviratne; D. Singh; A. L. Steiner; G. Wong-Parodi	2020	The COVID-19 lockdowns: A window into the Earth System	*Nature Reviews Earth & Environment*
11	A. S. Dumen; K. Saher	2020	Noise annoyance during COVID-19 lockdown: A research of public opinion before and during the pandemic	*Journal of the Acoustical Society of America*
12	G. Falchetta; M. Noussan	2020	The impact of COVID-19 on transport demand, modal choices, and sectoral energy consumption in Europe	*International Association for Energy Economics*
13	B. E. Howard	2020	High-risk aerosol-generating procedures in COVID-19: Respiratory protective equipment considerations	*Otolaryngology-Head and Neck Surgery*
14	W. Hu; L. Su; J. Qiao; J. Zhu; Y. Zhou	2020	Countrywide Quarantine Only Mildly Increased Anxiety Level during COVID-19 Outbreak in China	*MedRxiv*
15	J. A. Kopechek	2020	Increased ambient noise and elevated vocal effort contribute to airborne transmission of COVID-19	*Journal of the Acoustical Society of America*
16	T. Lecocq; S. P. Hicks; K. Van Noten; K. van Wijk; P. Koelemeijer; R. S. M. De Plaen; F. Massin; G. Hillers; R. E. Anthony; M. T. Apoloner; M. Arroyo-Solorzano; J. D. Assink; P. Buyukakpinar; A. Cannata; F. Cannavo; S. Carrasco; C. Caudron; E. J. Chaves; D. G. Cornwell; D. Craig; O. F. C. den Ouden; J. Diaz; S. Donner; C. P. Evangelidis; L. Evers; B. Fauville; G. A. Fernandez; D. Giannopoulos; S. J. Gibbons; T. Girona; B. Grecu; M. Grunberg; G. Hetenyi; A. Horleston; A. Inza; J. C. E. Irving; M. Jamalreyhani; A. Kafka; M. R. Koymans; C. R. Labedz; E. Larose; N. J. Lindsey; M. McKinnon; T. Megies; M. S. Miller; W. Minarik; L. Moresi; V. H. Marquez-Ramirez; M. Mollhoff; I. M. Nesbitt; S. Niyogi; J. Ojeda; A. Oth; S. Proud; J. Pulli; L. Retailleau; A. E. Rintamaki; C. Satriano; M. K. Savage; S. Shani-Kadmiel; R. Sleeman; E. Sokos; K. Stammler; A. E. Stott; S. Subedi; M. B. Sorensen; T. Taira; M. Tapia; F. Turhan; B. van der Pluijm; M. Vanstone; J. Vergne; T. A. T. Vuorinen; T. Warren; J. Wassermann; H. Xiao	2020	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures	*Science*
17	Q. Li; X. Guan; P. Wu; X. Wang; L. Zhou; Y. Tong; e. al.	2020	Early transmission dynamics in Wuhan, China, of novel coronavirus-infected pneumonia	*The New England Journal of Medicine*
18	X. Lian; J. Huang; R. Huang; C. Liu; L. Wang; T. Zhang	2020	Impact of city lockdown on the air quality of COVID-19-hit of Wuhan city	*Science of The Total Environment*
19	M. Magee; C. Lewis; G. Noffs; H. Reece; J. C. S. Chan; C. J. Zaga; C. Paynter; O. Birchall; S. R. Azocar; A. Ediriweera; K. Kenyon; M. W. Caverle; B. G. Schultz; A. P. Vogel	2020	Effects of face masks on acoustic analysis and speech perception: Implications for peri-pandemic protocols	*Journal of the Acoustical Society of America*

No.	Author(s)	Year	Title	Journal
20	W. Montano; E. Gushiken	2020	Lima soundscape before confinement and during curfew. Airplane flights suppressions because of Peruvian lockdown	*Journal of the Acoustical Society of America*
21	J. Montoya-Belmonte; J. M. Navarro	2020	Long-term temporal analysis of psychoacoustic parameters of the acoustic environment in a university campus using a wireless acoustic sensor network	*Sustainability*
22	P. Munoz; B. Vincent; C. Domergue; V. Gissinger; S. Guillot; Y. Halbwachs; V. Janillon	2020	Lockdown during COVID-19 pandemic: Impact on road traffic noise and on the perception of sound environment in France	*Noise Mapping*
23	R. M. A. Pages; F. Alias; P. Bellucci; P. P. Cartolano; I. Coppa; L. Peruzzi; A. Bisceglie; G. Zambon	2020	Noise at the time of COVID 19: The impact in some areas in Rome and Milan, Italy	*Noise Mapping*
24	A. P. Pandey; A. P. Singh; B. K. Bansal; G. Suresh; S. K. Prajapati	2020	Appraisal of seismic noise scenario at national seismological network of India in COVID-19 lockdown situation	*Geomatics Natural Hazards & Risk*
25	M. Parker; D. H. R. Spennemann	2020	Anthropause on audio: The effects of the COVID-19 pandemic on church bell ringing and associated soundscapes in New South Wales (Australia)	*Journal of the Acoustical Society of America*
26	P. Poli; J. Boaga; I. Molinari; V. Cascone; L. Boschi	2020	The 2020 coronavirus lockdown and seismic monitoring of anthropic activities in Northern Italy	*Scientific Reports*
27	C. Porschmann; T. Lubeck; J. M. Arend	2020	Impact of face masks on voice radiation	*Journal of the Acoustical Society of America*
28	R. Rumpler; S. Venkataraman; P. Goransson	2020	An observation of the impact of COVID-19 recommendation measures monitored through urban noise levels in central Stockholm, Sweden	*Sustainable Cities and Society*
29	G. Said; A. Arias; L. Carilli; A. Stasi	2020	Urban noise measurements in the City of Buenos Aires during the mandatory quarantine	*Journal of the Acoustical Society of America*
30	K. Sakagami	2020	A note on variation of the acoustic environment in a quiet residential area in Kobe (Japan): Seasonal changes in noise levels including COVID-related variation	*Urban Science*
31	L. M. Smith; L. Y. Wang; K. Mazur; M. Carchia; G. DePalma; R. Azimi; S. Mravca; R. L. Neitzel	2020	Impacts of COVID-19-related social distancing measures on personal environmental sound exposures	*Environmental Research Letters*
32	D. H. R. Spennemann; M. Parker	2020	Hitting the 'pause' button: What does COVID-19 tell us about the future of heritage sounds?	*Noise Mapping*
33	D. J. M. Thomson; D. R. Barclay	2020	Real-time observations of the impact of COVID-19 on underwater noise	*Journal of the Acoustical Society of America*
34	H. Tong; J. Kang	2020	Relationship between urban development patterns and noise complaints in England	*Environment and Planning B: Urban Analytics and City Science*
35	H. Xiao; Z. C. Eilon; C. Ji; T. Tanimoto	2020	COVID-19 societal response captured by seismic noise in China and Italy	*Seismological Research Letters*
36	S. Yabe; K. Imanishi; K. Nishida	2020	Two-step seismic noise reduction caused by COVID-19 induced reduction in social activity in metropolitan Tokyo, Japan	*Earth Planets and Space*
37	C. L. Yao; P. T. Cong; J. K. Wan; T. T. Li; L. L. Liu; C. W. Wang; R. Zhang; Y. F. Fu; T. Lin; C. Xu; X. Lin	2020	Spatio-temporal reductions of the COVID-19 lockdown-induced noise anomalies in GNSS height time series over mainland China	*Remote Sensing Letters*
38	Alsina-Pagès R.M.; Orga F.; Mallol R.; Freixes M.; Ba?o X.; Foraster M.	2020	Sons al balcó: Soundscape map of the confinement in Catalonia?	*Engineering Proceedings*
39	K. Sakagami	2020	How did the 'state of emergency' declaration in Japan due to the COVID-19 pandemic affect the acoustic environment in a rather quiet residential area?	*UCL Open Environment*
40	F. Aletta; T. Van Renterghem	2021	Associations between personal attitudes towards COVID-19 and public space soundscape assessment: An example from Antwerp, Belgium	*International Journal of Environmental Research and Public Health*
41	R. M. Alsina-Pages; P. Bergada; C. Martinez-Suquia	2021	Changes in the soundscape of Girona during the COVID lockdown	*Journal of the Acoustical Society of America*
42	M. S. Andargie; M. Touchie; W. O'Brien	2021	Case study: A survey of perceived noise in Canadian multi-unit residential buildings to study long-term implications for widespread teleworking	*Building Acoustics*

No.	Author(s)	Year	Title	Journal
43	F. Basan; J. G. Fischer; D. Kuhnel	2021	Soundscapes in the German Baltic Sea before and during the Covid-19 pandemic	*Frontiers in Marine Science*
44	B. Basu; E. Murphy; A. Molter; A. S. Basu; S. Sannigrahi; M. Belmonte; F. Pilla	2021	Investigating changes in noise pollution due to the COVID-19 lockdown: The case of Dublin, Ireland	*Sustainable Cities and Society*
45	F. Bertucci; D. Lecchini; C. Greeven; R. M. Brooker; L. Minier; S. Cordonnier; M. Rene-Trouillefou; E. Parmentier	2021	Changes to an urban marina soundscape associated with COVID-19 lockdown in Guadeloupe	*Environmental Pollution*
46	D. Bonet-Sola; C. Martinez-Suquia; R. M. Alsina-Pages; P. Bergada	2021	The soundscape of the COVID-19 Lockdown: Barcelona noise monitoring network case study	*International Journal of Environmental Research and Public Health*
47	H. Breeze; S. H. Li; E. C. Marotte; J. A. Thenault; J. Wingfield; J. S. Xu	2021	Changes in underwater noise and vessel traffic in the approaches to Halifax Harbor, Nova Scotia, Canada	*Frontiers in Marine Science*
48	M. Caniato; F. Bettarello; A. Gasparella	2021	Indoor and outdoor noise changes due to the COVID-19 lockdown and their effects on individuals' expectations and preferences	*Scientific Reports*
49	R. E. Caraka; Y. Yusra; T. Toharudin; R. C. Chen; M. Basyuni; V. Juned; P. U. Gio; B. Pardamean	2021	Did noise pollution really improve during COVID-19? Evidence from Taiwan (China)	*Sustainability*
50	Y. Y. Chen; C. Jones; N. Dunse	2021	Coronavirus disease 2019 (COVID-19) and psychological distress in China: Does neighbourhood matter?	*Science of the Total Environment*
51	B. Chere; N. Kirkham	2021	The negative impact of noise on adolescents' executive function: An online study in the context of home-learning during a pandemic	*Frontiers in Psychology*
52	L. Curovic; S. Jeram; J. Murovec; T. Novakovic; K. Rupnik; J. Prezelj	2021	Impact of COVID-19 on environmental noise emitted from the port	*Science of the Total Environment*
53	P. H. Dahl; D. R. Dall'Osto; M. J. Harrington	2021	Trends in low-frequency underwater noise off the Oregon coast and impacts of COVID-19 pandemic	*Journal of the Acoustical Society of America*
54	S. Dance; L. McIntyre	2021	The Quiet Project—UK acoustic community's response to COVID19 during the easing of lockdown	*Noise Mapping*
55	L. H. De Clippele; D. Risch	2021	Measuring sound at a cold-water coral reef to assess the impact of COVID-19 on noise pollution	*Frontiers in Marine Science*
56	M. L. de la Hoz-Torres; A. J. Aguilar; D. P. Ruiz; M. D. Martinez-Aires	2021	Analysis of impact of natural ventilation strategies in ventilation rates and indoor environmental acoustics using sensor measurement data in educational buildings	*Sensors*
57	R. S. M. De Plaen; V. H. Marquez-Ramirez; X. Perez-Campos; F. R. Zuniga; Q. Rodriguez-Perez; J. M. G. Gonzalez; L. Capra	2021	Seismic signature of the COVID-19 lockdown at the city scale: a case study with low-cost seismometers in the city of Queretaro, Mexico	*Solid Earth*
58	J. Diaz; J. Antonio-Lopez-Bueno; D. Culqui; C. Asensio; G. Sanchez-Martinez; C. Linares	2021	Does exposure to noise pollution influence the incidence and severity of COVID-19?	*Environmental Research*
59	J. Diaz; M. Ruiz; J. A. Jara	2021	Seismic monitoring of urban activity in Barcelona during the COVID-19 lockdown	*Solid Earth*
60	A. M. Dzhambov; P. Lercher; D. Stoyanov; N. Petrova; S. Novakov; D. D. Dimitrova	2021	University students' self-rated health in relation to perceived acoustic environment during the COVID-19 home quarantine	*International Journal of Environmental Research and Public Health*
61	A. Ferrer-Torres; L. Gimenez-Llort	2021	Confinement and the hatred of sound in times of COVID-19: A Molotov Cocktail for people with misophonia	*Frontiers in Psychiatry*
62	N. Gevu; B. Carvalho; G. C. Fagerlande; M. L. Niemeyer; M. M. Cortes; J. C. B. Torres	2021	Rio de Janeiro noise mapping during the COVID-19 pandemic period	*Noise Mapping*
63	B. Grecu; F. Borleanu; A. Tiganescu; N. Poiata; R. Dinescu; D. Tataru	2021	The effect of 2020 COVID-19 lockdown measures on seismic noise recorded in Romania	*Solid Earth*
64	J. Hornberg; T. Haselhoff; B. T. Lawrence; J. L. Fischer; S. Ahmed; D. Gruehn; S. Moebus	2021	Impact of the COVID-19 lockdown measures on noise levels in urban areas—A Pre/during comparison of long-term sound pressure measurements in the Ruhr Area, Germany	*International Journal of Environmental Research and Public Health*
65	S. Hussain; E. N. Madi; H. Khan; S. Etemad; S. Rezapour; T. Sitthiwirattham; N. Patanarapeelert	2021	Investigation of the Stochastic Modeling of COVID-19 with environmental noise from the analytical and numerical point of view	*Mathematics*
66	P. Jordan; A. Fiebig	2021	COVID-19 impacts on historic soundscape perception and site usage	*Acoustics*
67	K. Kalawapudi; T. Singh; R. Vijay; N. Goyal; R. Kumar	2021	Effects of COVID-19 pandemic on festival celebrations and noise pollution levels	*Noise Mapping*

No.	Author(s)	Year	Title	Journal
68	A. P. Kuponiyi; H. Kao	2021	Temporal variation in cultural seismic noise and noise correlation functions during COVID-19 lockdown in Canada	*Seismological Research Letters*
69	P. J. Lee; J. H. Jeong	2021	Attitudes towards outdoor and neighbour noise during the COVID-19 lockdown: A case study in London	*Sustainable Cities and Society*
70	S. Lenzi; J. Sadaba; P. Lindborg	2021	Soundscape in times of change: Case study of a city neighbourhood during the COVID-19 lockdown	*Frontiers in Psychology*
71	B. Leon-Lopez; E. Romero-Vivas; L. Viloria-Gomora	2021	Reduction of roadway noise in a coastal city underwater soundscape during COVID-19 confinement	*Journal of the Acoustical Society of America*
72	M. Levin; K. Zhou; E. C. Sommer; T. McHugh; D. D. Sommer	2021	Ambient noise levels and wireless headsets for communication in aerosolizing otolaryngology surgery during COVID-19	*Otolaryngology-Head and Neck Surgery*
73	J. X. Liu; J. Xu; Z. C. Wu; Y. R. Cheng; Y. X. Gou; J. Ridolfo	2021	Soundscape preference of urban residents in China in the post-pandemic era	*Frontiers in Psychology*
74	S. K. Lokhande; P. F. Chopkar; M. C. Jain; A. Hirani	2021	Environmental noise assessment of Bhandara City in the adversity of COVID-19 pandemic: A crowdsourcing approach	*Noise Mapping*
75	S. T. R. Maciel; M. P. Rocha; M. Schimmel	2021	Urban seismic monitoring in Brasilia, Brazil	*Plos One*
76	A. L. Maggi; J. Muratore; S. Gaetan; M. F. Zalazar-Jaime; D. Evin; J. P. Villalobo; M. Hinalaf	2021	Perception of the acoustic environment during COVID-19 lockdown in Argentina	*Journal of the Acoustical Society of America*
77	J. V. Manzano; J. A. A. Pastor; R. G. Quesada; F. Aletta; T. Oberman; A. Mitchell; J. Kang	2021	The “sound of silence” in Granada during the COVID-19 lockdown	*Noise Mapping*
78	J. L. Martin; D. Hernandez; M. P. Cadogan; A. A. Brody; C. A. Alessi; M. N. Mitchell; Y. Song; J. Smilowitz; A. Vedvyas; Y. Z. Qian; H. Zhong; J. Chodosh	2021	Environmental noise in New York City long-term care facilities: A window into the COVID-19 pandemic	*Journal of the American Medical Directors Association*
79	A. Mimani; R. Singh	2021	Anthropogenic noise variation in Indian cities due to the COVID-19 lockdown during March-to-May 2020	*Journal of the Acoustical Society of America*
80	A. Mishra; S. Das; D. Singh; A. K. Maurya	2021	Effect of COVID-19 lockdown on noise pollution levels in an Indian city: A case study of Kanpur	*Environmental Science and Pollution Research*
81	A. Mitchell; T. Oberman; F. Aletta; M. Kachlicka; M. Lionello; M. Erfanian; J. Kang	2021	Investigating urban soundscapes of the COVID-19 lockdown: A predictive soundscape modeling approach	*Journal of the Acoustical Society of America*
82	K. Nemr; M. Simoes-Zenari; V. C. de Almeida; G. A. Martins; I. T. Saito	2021	COVID-19 and the teacher’s voice: Self-perception and contributions of speech therapy to voice and communication during the pandemic	*Clinics*
83	H. Nimiya; T. Ikeda; T. Tsuji	2021	Temporal changes in anthropogenic seismic noise levels associated with economic and leisure activities during the COVID-19 pandemic	*Scientific Reports*
84	J. Ojeda; S. Ruiz	2021	Seismic noise variability as an indicator of urban mobility during the COVID-19 pandemic in the Santiago metropolitan region, Chile	*Solid Earth*
85	N. Orio; B. De Carolis; F. Liotard	2021	Locate your soundscape: Interacting with the acoustic environment	*Multimedia Tools and Applications*
86	M. Patjas; H. Vertanen-Greis; P. Pietarinen; A. Geneid	2021	Voice symptoms in teachers during distance teaching: A survey during the COVID-19 pandemic in Finland	*European Archives of Oto-Rhino-Laryngology*
87	X. Perez-Campos; V. H. Espindola; D. Gonzalez-Avila; B. Z. Fabila; V. H. Marquez-Ramirez; R. S. M. De Plaen; J. C. Montalvo-Arrieta; L. Quintanar	2021	The effect of confinement due to COVID-19 on seismic noise in Mexico	*Solid Earth*
88	M. Y. Qiu; J. Sha; S. Utomo	2021	Listening to Forests: Comparing the perceived restorative characteristics of natural soundscapes before and after the COVID-19 pandemic	*Sustainability*
89	M. Y. Qiu; J. Zhang	2021	Exploring the perceived restorativeness of natural soundscapes under the global pandemic of COVID-19: A moderated mediation model	*Plos One*
90	T. Rahne; L. Frohlich; S. Plontke; L. Wagner	2021	Influence of surgical and N95 face masks on speech perception and listening effort in noise	*Plos One*
91	M. D. Redel-Macias; P. Aparicio-Martinez; S. Pinzi; P. Arezes; A. J. Cubero-Atienza	2021	Monitoring sound and its perception during the lockdown and de-escalation of COVID-19 pandemic: A Spanish study	*International Journal of Environmental Research and Public Health*
92	K. S. Roy; J. Sharma; S. Kumar; M. R. Kumar	2021	Effect of coronavirus lockdowns on the ambient seismic noise levels in Gujarat, northwest India	*Scientific Reports*

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93	J. P. Ryan; J. E. Joseph; T. Margolina; L. T. Hatch; A. Azzara; A. Reyes; B. L. Southall; A. DeVogelaere; L. E. P. Reeves; Y. W. Zhang; D. E. Cline; B. Jones; P. McGill; S. Baumann-Pickering; A. K. Stimpert	2021	Reduction of low-frequency vessel noise in Monterey Bay National Marine Sanctuary during the COVID-19 pandemic	*Frontiers in Marine Science*
94	L. Scislo; L. Lacny; M. Guinchard	2021	COVID-19 lockdown impact on CERN seismic station ambient noise levels	*Open Engineering*
95	H. O. Sertlek	2021	Hindcasting soundscapes before and during the COVID-19 pandemic in selected Areas of the North Sea and the Adriatic Sea	*Journal of Marine Science and Engineering*
96	S. Shakibaei; G. C. de Jong; P. Alpkokin; T. H. Rashidi	2021	Impact of the COVID-19 pandemic on travel behavior in Istanbul: A panel data analysis	*Sustainable Cities and Society*
97	R. Smiljanic; S. Keerstock; K. Meemann; S. M. Ransom	2021	Face masks and speaking style affect audio-visual word recognition and memory of native and non-native speech	*Journal of the Acoustical Society of America*
98	S. N. Somala	2021	Lockdowns and their influence on Earth's hum	*Scientific Reports*
99	A. A. Spivak; D. N. Loktev; Y. S. Rybnov; V. A. Kharlamov	2021	Acoustic Noise in Moscow during the Covid-19 quarantine period in 2020	*Doklady Earth Sciences*
100	Granot R, Spitz DH, Cherki BR, Loui P, Timmers R, Schaefer RS, Vuoskoski JK, Cárdenas-Soler R-N, Soares-Quadros Jr. JF, Li S, Lega C, La Rocca S, Martínez IC, Tanco M, Marchiano M, Martínez-Castilla P, Pérez-Acosta G, Martínez-Ezquerro JD, Gutiérrez-Blasco IM, Jiménez-Dabdoub L, Coers M, Treider JM, Greenberg DM and Israel S	2021	"Help! I need somebody": Music as a global resource for obtaining wellbeing goals in times of crisis	*Frontiers in Psychology*
101	D. Steele; C. Guastavino	2021	Quieted city sounds during the COVID-19 pandemic in Montreal	*International Journal of Environmental Research and Public Health*
102	H. Terasawa; M. Matsubara; V. Goudarzi; M. Sadakata	2021	Music in quarantine: Connections between changes in lifestyle, psychological states, and musical behaviors during COVID-19 pandemic	*Frontiers in Psychology*
103	C. Terry; M. Rothendler; L. Zipf; M. C. Dietze; R. B. Primack	2021	Effects of the COVID-19 pandemic on noise pollution in three protected areas in metropolitan Boston (USA)	*Biological Conservation*
104	L. M. Thibodeau; R. B. Thibodeau-Nielsen; C. M. Q. Tran; R. T. D. Jacob	2021	Communicating during COVID-19: The effect of transparent masks for speech recognition in noise	*Ear and Hearing*
105	H. Tong; F. Aletta; A. Mitchell; T. Oberman; J. Kang	2021	Increases in noise complaints during the COVID-19 lockdown in Spring 2020: A case study in Greater London, UK	*Science of the Total Environment*
106	S. Torresin; R. Albatici; F. Aletta; F. Babich; T. Oberman; A. E. Stawinoga; J. Kang	2021	Indoor soundscapes at home during the COVID-19 lockdown in London—Part I: Associations between the perception of the acoustic environment, occupants activity and well-being	*Applied Acoustics*
107	J. C. Toscano; C. M. Toscano	2021	Effects of face masks on speech recognition in multi-talker babble noise	*Plos One*
108	J. S. Ulloa; A. Hernandez-Palma; O. Acevedo-Charry; B. Gomez-Valencia; C. Cruz-Rodriguez; Y. Herrera-Varon; M. Roa; S. Rodriguez-Buritica; J. M. Ochoa-Quintero	2021	Listening to cities during the COVID-19 lockdown: How do human activities and urbanization impact soundscapes in Colombia?	*Biological Conservation*
109	E. D. Walker; N. F. Lee; M. K. Scammell; A. P. Feuer; M. B. Power; K. J. Lane; G. Adamkiewicz; J. I. Levy	2021	Descriptive characterization of sound levels in an environmental justice city before and during a global pandemic	*Environmental Research*
110	W. L. Wang; G. Y. Cai; G. J. Lai; M. F. Chen; L. Zhang	2021	Ambient noise level in Eastern North China from ChinArray and its response to COVID-19	*Seismological Research Letters*
111	H. Yi; A. Pingsterhaus; W. Song	2021	Effects of wearing face masks while using different speaking styles in noise on speech intelligibility during the COVID-19 pandemic	*Frontiers in Psychology*
112	Y. Yildirim; M. Arefi	2021	Noise complaints during a pandemic: A longitudinal analysis	*Noise Mapping*
113	G. Zambon; C. Confalonieri; F. Angelini; R. Benocci	2021	Effects of COVID-19 outbreak on the sound environment of the city of Milan, Italy	*Noise Mapping*

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114	Gibbs H and Egermann H	2021	Music-evoked nostalgia and wellbeing during the United Kingdom COVID-19 pandemic: Content, subjective effects, and function	*Frontiers in Psychology*
115	Parker, M.; Spennemann, D.H.R.	2021	Stille Nacht: COVID and the ghost of Christmas 2020	*Heritage*
116	T. Wulf; J. Breuer; J. B. Schmitt	2021	Escaping the pandemic present: The relationship between nostalgic media use, escapism, and well-being during the COVID-19 pandemic	*Psychology of Popular Media*
117	Bartalucci, C; Bellomini, R; Luzzi, S; Pulella, P; Torelli, G	2021	A survey on the soundscape perception before and during the COVID-19 pandemic in Italy	*Noise Mapping*
118	Kempfle, JS; Panda, A; Hottin, M; Vinik, K; Kozin, ED; Ito, CJ; Remenschneider, AK	2021	Effect of Powered Air-Purifying Respirators on Speech Recognition Among Health Care Workers	*Otolaryngology-Head and Neck Surgery*
119	Awada M.; Becerik-Gerber B.; Lucas G.; Roll S.C.	2021	Associations among home indoor environmental quality factors and worker health while working from home during COVID-19 pandemic	*Journal of Engineering for Sustainable Buildings and Cities*
120	Pang Z.; Becerik-Gerber B.; Hoque S.; O'Neill Z.; Pedrielli G.; Wen J.; Wu T.	2021	How work from home has affected the occupant's well-being in the residential built environment: An international survey amid the Covid-19 pandemic	*Journal of Engineering for Sustainable Buildings and Cities*
121	Bano X.; Bergadà P.; Bonet-Solà D.; Egea A.; Foraster M.; Freixes M.; Ginovart-Panisello G.J.; Mallol R.; Martín X.; Martínez A.; Martínez-Suquía C.; Orga F.; Sevillano X.; Alsina-Pages R.M.	2021	Sons al Balcó a Citizen Science Approach to Map the Soundscape of Catalonia?	*Engineering Proceedings*
122	A. Al-Barakati	2022	A framework for acoustic detection of COVID-19 based on deep learning	*International Journal of Computer Science and Network Security*
123	P. Amoatey; I. Al-Harthy; K. Al-Jabri; A. Al-Mamun; M. S. Baawain; A. Al-Mayahi	2022	Impact of COVID-19 pandemic on aircraft noise levels, annoyance, and health effects in an urban area in Oman	*Environmental Science and Pollution Research*
124	P. Aumond; A. Can; M. Lagrange; F. Gontier; C. Lavandier	2022	Multidimensional analyses of the noise impacts of COVID-19 lockdown	*Journal of the Acoustical Society of America*
125	X. Z. Guo; H. Y. Wu; Y. F. Chen; Y. Chang; Y. B. Ao	2022	Gauging the impact of personal lifestyle, indoor environmental quality and work-related factors on occupant productivity when working from home	*Engineering Construction and Architectural Management*
126	O. Hahad; A. Daiber; T. Munzel	2022	Reduced aircraft noise pollution during COVID-19 lockdown is beneficial to public cardiovascular health: A perspective on the reduction of transportation-associated pollution	*Hypertension*
127	T. Haselhoff; J. Hornberg; J. L. Fischer; B. T. Lawrence; S. Ahmed; D. Gruehn; S. Moebus	2022	The acoustic environment before and during the SARS-CoV-2 lockdown in a major German city as measured by ecoacoustic indices	*The Journal of the Acoustical Society of America*
128	D. S. Michaud; L. Marro; A. Denning; S. Shackleton; N. Toutant; J. P. McNamee	2022	Annoyance toward transportation and construction noise in rural suburban and urban regions across Canada	*Environmental Impact Assessment Review*
129	J. Otcenasek; M. Fric; E. Dvorakova; Z. Otcenasek; S. Ubik	2022	The subjective relevance of perceived sound aspects in remote singing education	*Journal of the Acoustical Society of America*
130	B. Ramphal; J. D. Dworkin; D. Pagliaccio; A. E. Margolis	2022	Noise complaint patterns in New York City from January 2010 through February 2021: Socioeconomic disparities and COVID-19 exacerbations	*Environmental Research*
131	S. Torresin; R. Albatici; F. Aletta; F. Babich; T. Oberman; J. Kang	2022	Associations between indoor soundscapes, building services and window opening behaviour during the COVID-19 lockdown	*Building Services Engineering Research & Technology*
132	S. Torresin; R. Albatici; F. Aletta; F. Babich; T. Oberman; A. E. Stawinoga; J. Kang	2022	Indoor soundscapes at home during the COVID-19 lockdown in London—Part II: A structural equation model for comfort, content, and well-being	*Applied Acoustics*
133	M. Uthaman; C. Singh; A. Singh; N. Jana; A. K. Dubey; S. Sarkar; A. K. Tiwari	2022	Spatial and temporal variation of the ambient noise environment of the Sikkim Himalaya	*Scientific Reports*
134	W. Wojciechowska; A. Januszewicz; T. Drozdz; M. Rojek; J. Baczalska; M. Terlecki; K. Kurasz; A. Olszanecka; M. Smolski; A. Prejbisz; P. Dobrowolski; T. Grodzicki; T. Hryniewiecki; R. Kreutz; M. Rajzer	2022	Blood pressure and arterial stiffness in association with aircraft noise exposure: Long-term observation and potential effect of COVID-19 lockdown	*Hypertension*
135	Z. Song, P.-J. Lee, T. Hampton	2022	Acoustic environments of intensive care units during the COVID-19 pandemic	*Applied Acoustics*

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136	Spennemann, DHR; Parker, M	2022	To ring or not to ring: What COVID-19 taught us about religious heritage soundscapes in the community	*Heritage*
137	Bartalucci, C; Bellomini, R; Luzzi, S; Pulella, P; Iannuzzi, G; Torelli, G	2022	A renewed perception of living environments after restrictions due to pandemic in Italy	*Noise Mapping*
138	Torresin, S; Ratcliffe, E; Aletta, F; Albatici, R; Babich, F; Oberman, T; Kang, J	2022	The actual and ideal indoor soundscape for work, relaxation, physical and sexual activity at home: A case study during the COVID-19 lockdown in London	*Frontiers in Psychology*
139	Greco, GF; Guruprasad, SM; Ring, TP; Langer, SC	2022	The impact of the COVID-19 outbreak on the air traffic noise at the Hannover airport region	*Journal of the Acoustical Society of America*
140	Hoang P. N.; Samara M.; Shannawi S.; Dayupay J. P.; Jarrah H.; Olvida C. F.; Layco E. P.; Solina A. M.; Maglente S. S.; Luna A. R. F.; Capulso L. B.; Tabiolo C. D. L.; Ras S. N., Jr.	2022	The influence of lighting noise and temperature on the academic performance of students amid Covid-19 pandemic	*International Journal of Learning, Teaching and Educational Research*
141	Ibrahim S.A.J.; Hassan S.A.; Rasheed M.A.	2022	The effect of noise exposure in residential buildings on student E-learning during corona pandemic	*Journal of Engineering and Sustainable Development*
142	Syaiful S.; Siregar H.; Rustiadi E.; Hariyadi E.S.; Prayudyanto M.N.; Rulhendri R.	2022	Noise from the traffic volume of motorcycle during the Covid-19 pandemic: A case study of Wiyata Mandala Junior High Schoool Bogor	*Sustinere: Journal of Environment and Sustainability*
143	Elzein Z.; Elsemary Y.	2022	Re-thinking post-pandemic home design: How Covid-19 affected the perception and use of residential balconies in Egypt	*Future Cities and Environment*
144	Herschel E.; Hennessy S.; Cahn B. R.; Goldsworthy R.; Habibi A.	2022	Effects of online choir or mindfulness interventions on auditory perception and well-being in middle- and older-aged adults during the COVID-19 pandemic: A randomized controlled trial	*Music and Science*
145	Jacobsen S.L.; Lindvang C.; Beck B.D.	2022	Background music improves experience of Covid-19 vaccination for citizens and vaccination staff: A pilot study	*Music and Medicine*
146	Peixoto, NGM; Ferreira, LR; Klein, ME; Michalski, RLXN; Monteiro, LM	2023	Influence of soundscape on quality of work from home during the second phase of the pandemic in Brazil	*Noise Mapping*
147	N. Hidalgo-Triana; A. Picornell; S. Reyes; G. Circella; H. Ribeiro; A. E. Bates; J. Rojo; P. B. Pearman; J. M. A. Vivancos; S. Nautiyal; F. Q. Brearley; J. Perena; M. Ferragud; A. Monroy-Colin; J. M. Maya-Manzano; J. Ouachinou; A. E. Salvo-Tierra; C. Antunes; M. Trigo-Perez; T. Navarro; P. Jaramillo; J. Oteros; A. Charalampopoulos; O. I. Kalantzi; H. Freitas; J. Scevkova; M. Zanolla; A. Marrano; O. Comino; J. J. Roldan; A. F. Alcantara; A. Damialis	2023	Perceptions of change in the environment caused by the COVID-19 pandemic: Implications for environmental policy	*Environmental Impact Assessment Review*
148	Puyana-Romero, V; Díaz-Márquez, AM; Ciaburro, G; Hernández-Molina, R	2023	The acoustic environment and university students' satisfaction with the online education method during the COVID-19 lockdown	*International Journal of Environmental Research and Public Health*
149	Barretta, Paul; Tompkins, Terry; Apruzzese, Jeffrey	2023	Impact and hope for the live music industry	*Ethnomusicology Review*
150	Trudeau, C; Tarlao, C; Guastavino, C	2023	Montreal soundscapes during the COVID-19 pandemic: A spatial analysis of noise complaints and residents' surveys	*Noise Mapping*
151	Tiatco, A.	2023	Philippine Catholic Festivals during the COVID-19 Pandemic: Performing live in the 'new' normal	*Contemporary Theatre Review*
152	Yu, X; Jarvis, I; Davis, Z; van den Bosch, M; Davies, H	2023	Reductions in community noise levels in Vancouver, Canada, during pandemic lockdown and association with land cover type	*Environmental Research*
153	Nurse L.; Robertson C.	2023	Hearing and feeling the music in every step: Musical walks and biographical experience of lockdown	*Irish Journal of Sociology*
154	Hemker F.; Haselhoff T.; Brunner S.; Lawrence B.T.; Ickstadt K.; Moebus S.	2023	The role of traffic volume on sound pressure level reduction before and during COVID-19 lockdown measures—A case study in Bochum Germany	*International Journal of Environmental Research and Public Health*
155	TOKGÖZ, Ö. G., İŞERİ, H. A. D., & ÖZÇEVİK, A.	2023	Evaluation of the changing urban soundscape in Turkey during Covid-19 pandemic through online survey	*A/Z ITU Journal of the Faculty of Architecture*

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156	Torresin S; Ratcliffe E; Aletta F; Albatici R; Babich F; Oberman T; Kang J	2023	The effect of indoor soundscape on sexual wellbeing during the COVID-19 lockdown in London: A thematic analysis of remote workers' experiences	*The Lancet*
157	Lewis R. N., Williams L. J., de Kort S. R., Gilman R. T.	2023	Assessing the effect of zoo closure on the soundscape using multiple acoustic indicators	*Ecological Indicators*
158	Gabriel Piñeros, L., Botero Machado, J. D., Cárdenas Bustamante, C., Sofia Paredes, C., Botero-Rosas, D., & Tuta-Quintero, E.	2023	Effects of music therapy on the autonomic nervous system in patients with COVID-19: A clinical crossover trial	*Archivos Venezolanos de Farmacología y Terapéutica*
159	Francesc Alías-Pujol, Fabio Angelini, Rosa Ma Alsina-Pagès, Giovanni Zambon, Roberto Benocci	2024	A long-term global and clustering analysis of the COVID-19 pandemic effects on the sound environment of Milan, Italy: Road traffic and other noise sources	*Applied Acoustics*
160	Z. Song, P.-J. Lee	2024	Voice use of nurses working in the intensive care unit during the COVID-19 pandemic	*Intensive and Critical Care Nursing*
161	Kusto, J	2024	When new sounds come. The sociocultural effects of city soundscape change based on the example of the pandemic	*AVANT*
162	Lin, DH; Li, TJ; Liang, HJ	2024	Semantic differential analysis of effects of indoor soundscapes on learning efficiency during online home-based classes	*Plos One*
163	Challéat, S; Farrugia, N; Froidevaux, JSP; Gasc, A; Pajusco, N	2024	A dataset of acoustic measurements from soundscapes collected worldwide during the COVID-19 pandemic	*Scientific Data*
164	Abdmouleh, MA; Dahech, S	2024	Spatio-temporal variation of noise pollution in South Paris during and outside the COVID-19 lockdowns	*Scientific Reports*
165	Das, CP; Goswami, S; Panda, BP; Swain, BK; Das, M	2024	Noise mapping and impact of COVID-19 lock down on traffic noise induced health issues using SEM approach	*International Journal of Environmental Research*
166	Olgun R.; Karaku? N.; Selim S.; Eyileten B.	2024	Assessment and mapping of noise pollution in recreation spaces using geostatistic method after COVID-19 lockdown in Turkey	*Environmental Science and Pollution Research*
167	Kaplan-Neeman R.; Kreiser N.; Ross S.; Muchnik C.	2024	Listening habits to music during COVID-19 pandemic: Is there a risk to hearing?	*Journal of the American Academy of Audiology*
168	Zanders M. L.; Lee M.-S.; Zhang J.; Gravish J.; Giraldo A.; Zambonini J. P.	2024	Environmental Music Therapy (EMT) to reduce stress and anxiety with patients caregivers and hospital staff during the COVID pandemic	*Music and Medicine*
169	Li, JX; Huang, Y; Han, RM; Zhang, Y; Kang, J	2025	Indoor soundscape perception and soundscape appropriateness assessment while working at home: A comparative study with relaxing activities	*Buildings*
170	Huang, LJ; Li, JL; Kang, J; Liu, FF; Yang, M; Zhang, YW	2025	Understanding the nexus between anxiety and acoustic perception in university students: A quasi-experimental study during pandemic-induced lockdown	*Behavioral Sciences*
171	Gyanendra, Y; Chanu, AA; Singh, KMB	2025	Silent streets and urban soundscapes: Examining noise levels in Imphal, Manipur amid COVID-19	*Journal of Scientific & Industrial Research*
172	Shengzhi Chu, Yiyang Wang, Jiang Liu, Xin-Chen Hong	2025	Pandemic-induced shifts in urban noise perception: A spatial-temporal analysis in a Chinese megacity	*Journal of Environmental Management*
173	Z. Song, P. J. Lee	2025	Impact of acoustic environment in intensive care unit on nurses' well-being during COVID-19: A qualitative interview study	*Intensive and Critical Care Nursing*
174	Manu S.; Rysanek A.	2025	Home as an office: Investigating the associations between indoor environmental quality well-being and performance in work-from-home settings	*Building and Environment*
175	Vargas A. R.; García Alcaraz J. L.; Márquez Lobato B. Y.; Gil López A. J.; Díaz Reza J. R.	2025	Effects of environmental factors on university teachers' performance from Latin America during the COVID-19 pandemic	*Work*
176	Razali A. B.; Rahman R. B. A.; Zaki S. S. B. M.; Elliazir M. A. H. B.	2025	A descriptive study of the noise exposure among P-hailing riders in Kuantan Pahang Malaysia	*Malaysian Journal of Medicine and Health Sciences*
177	Crittenden A.; Robb K.; Erbe C.	2025	A marine soundscape anthropause: Covid-19 lockdown impacts on soundscape composition vessel traffic and dolphin acoustic presence in Port Phillip Bay	*Regional Studies in Marine Science*
178	Ardalan RV; Mohammadi M; Bahadari MS; Mohammadi M; Moezzi SMM; Saloglu D	2025	Short-term analysis of urban noise dynamics during covid-19 lockdown using a machine learning approach in Mashhad Iran	*Scientific Reports*
179	Ainslie MA; Robinson SP; Harris PM; Tyack PL; Halvorsen MB; Cheong SH; Livina V; Wang LS	2025	Ocean soundscapes and trends from 2003 to 2021: 10-100 Hz	*The Journal of the Acoustical Society of America*

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180	Keerthivasan R; Sanjana MC; Latha G; Raguraman G; Thirunavukkarasu A	2025	Quantifying changes in the Laccadive Sea soundscape: A comparison of the COVID-19 pandemic and post-pandemic periods	*The Journal of the Acoustical Society of America*
181	Nguyen, T., Nguyen, T. T. H. N., Morinaga, M., Hiraguri, Y., & Morihara, T.	2025	Assessing annoyance and sleep disturbance related to changing aircraft noise context: Evidence from Tan Son Nhat Airport	*International Journal of Environmental Research and Public Health*
182	Jepson O.; Gilman R. T.; Williams L. J.; Lewis R. N.	2025	Shifting syllable production in an ex situ population of a critically endangered songbird	*Zoo Biology*