

Ovid MEDLINE(R)

Searches

1 Sewage/ch, is, ip, mt, mi, ps, pc, vi
2 (wastewater/ or sewage/ or water pollution/) and (exp communicable disease control/ or epidemiological monitoring/ or exp environmental monitoring/)
3 (wastewater/ or sewage/ or water pollution/) and isolation purification.fs.
4 Wastewater-Based Epidemiological Monitoring/
5 ((wastewater? or sewage) adj3 (sampl* or surveil* or monitor* or treatment plant? or test*)).ab,kf,ti.
6 ((wastewater? or sewage) adj10 (detect* or charact* or concentration)).ab,kf,ti.
7 wastewater microbiome.ab,kf,ti.
8 sewage signal*.ab,kf,ti.
9 or/1-8 [sewage sampling]
10 communicable disease control/ or public health/
11 epidemiology.fs.
12 (public health or lockdown or virus spread or epidemiol* or epidemic* or endemic* or pandemic* or community wastewater? or ((spread or surveillance)
adj5 (infection or disease or virus* or norovirus* or bacter* or parasit* or fung*)) or (spread adj3 infection)).ab,kf,ti.
13 or/10-12 [public health]
14 communicable diseases/
15 (communicable disease? or fungi or bacter* or parasite? or virus* or viral or norovirus or infect*).ab,kf,ti.
16 9 and 13
17 limit 16 to covid-19
18 or/14-15,17 [infectious agents]
19 and/9,13,18
20 wastewater based epidemiological monitoring/
21 19 or 20

Ovid Embase Classic+Embase

Searches

1 Sewage/
2 (exp wastewater/ or sewage/ or exp water pollution/) and (exp communicable disease control/ or exp epidemiological monitoring/ or environmental
monitoring/ or exp environmental surveillance/ or water monitoring/)
3 Wastewater-Based Epidemiology/
4 ((wastewater? or sewage) adj3 (sampl* or surveil* or monitor* or treatment plant? or test*)).ab,kw,ti.
5 ((wastewater? or sewage) adj10 (detect* or charact* or concentration)).ab,kw,ti.
6 wastewater microbiome.ab,kw,ti.
7 sewage signal*.ab,kw,ti.
8 or/1-7 [sewage sampling]
9 exp communicable disease control/ or public health/
10 epidemiology.fs.
11 (public health or lockdown or virus spread or epidemiol* or epidemic* or endemic* or pandemic* or community wastewater? or ((spread or surveillance)
adj5 (infection or disease or virus* or norovirus* or bacter* or parasit* or fung*)) or (spread adj3 infection)).ab,kw,ti.
12 or/9-11 [public health]
13 exp *infection/ or *fungus/ or *parasite/ or *virus/
14 (communicable disease? or fungi or bacter* or parasite? or virus* or viral or norovirus or infect*).ab,kw,ti.
15 8 and 12
16 limit 15 to covid-19
17 or/13-14,16 [infectious agents]
18 and/8,12,17
19 wastewater based epidemiology.mp.
20 18 or 19

Web of Science Core Collection

Searches

1 TS=((wastewater? or sewage) NEAR/2 (sampl* or surveil* or monitor* or "treatment plant?" or test*))
2 TS=((wastewater? or sewage) NEAR/9 (detect* or charact* or concentration))
3 TS="wastewater microbiome"
4 TS="sewage signal*"
5 #4 OR #3 OR #2 OR #1
6 TS=("public health" or lockdown or virus spread or epidemiol* or epidemic* or endemic* or pandemic* or "community wastewater?" or ((spread or
surveillance) NEAR/4 (infection or disease or virus* or norovirus* or bacter* or parasit* or fung*)) or (spread NEAR/2 infection))
7 TS=("communicable disease?" or fungi or bacter* or parasite? or virus* or viral or norovirus or infect*)
8 #5 AND #6 AND #7