Figure 1— Source Data 4. Search strategy used for Web of Science Core Collection.

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| **Web of Science Core Collection**  Database: **Web of Science Core Collection** up to 20 Nov 2020 | |
| **#** | **Searches** |
| #1 | TOPIC: ((coronavirus\* or “corona virus\*” or betacoronavirus\* or OC43 or NL63 or 229E or HKU1 or HcoV\* or ncov\* or covid\* or “sars-cov\*” or sarscov\* or “Sars-coronavirus\*” or “Severe Acute Respiratory Syndrome\*” or “sudden acute respiratory syndrome\*” or “2019-ncov\*” or 2019nCov\* or “2019-novel CoV” or corona or ((novel or new or nouveau) NEAR/2 (CoV or Pandemi\*) ) OR (pneumonia and (Wuhan or Hubei) ) or “A/H1N1\*” or H1N1\* or pdm09 or ((influenza or virus or pandemic) NEAR/4 “2009”) or “influenza A” or “swine flu”))  Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years |
| #2 | TOPIC: (((respiratory NEAR/3 (specimen\* or sample\* or swab\*) ) or sputum or nares or endotrachea\* or endotrache\* or endotra\* or ((nasal or oral\* or throat) NEAR/3 (swab\* or sample\* or smear\* or specimen\*) ) or NPS or OPS or ((endotrachea\* or endotracheal\*) NEAR/2 aspirat\*) or NPA or ETA or (deep NEAR/4 saliva) or POS or “swab sample\*” or “flocked swab\*” or (clinical NEAR/2 (sample\* or specimen\*) ) or “RT-PCR” or “RTPCR” or “ddPCR” or “polymerase chain reaction”))  Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years |
| #3 | TOPIC: ((“vir\* load\*” or “vir\* shed\*” or “vir\* burden” or “vir\* titer\*” or “vir\* titre\*” or (vir\* NEAR/2 count\*) or ((copies or copy) NEAR/2 (ml or mls or milli\* or microl\*) ) or ((RNA\* or vir\*) NEAR/2 concentration\*) or (calibration NEAR/1 curve\*) or (standard NEAR/1 curve\*) or “ct value\*” or “cycle threshold” or ((copies or copy) NEAR/2 test\*) or ((copy or copies) NEAR/2 number\*) or “copy/m\*” or “copies/m\*” or “copy/test\*” or “copies/test\*” or ((test or diagnos\*) NEAR/2 sensitiv\*)))  Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years |
| #4 | #3 AND #2 AND #1  Refined by: [excluding] WEB OF SCIENCE CATEGORIES: ( VETERINARY SCIENCES )  Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan=All years |