

Query 1: generate initial selection for keyword extraction with litsearchR (executed 09.02.2021)

(("Push-Pull") AND (pestici* OR herbici* OR pest OR pests OR (crop AND yiel*) OR (crop AND loss*)) AND (plant OR farm* OR agricult* OR desmodi* OR maize OR tomat* OR intercrop*))

Query 2: returns the screened publications (executed 08.03.2021)

((intercrop* OR agricultu* OR farm* OR cereal*) AND ("fix nitrogen*" OR "anim* fodder*" OR "companion* crop*" OR "companion* plant*" OR "crop* maiz*" OR "crop* system*" OR "forag* grass*" OR "forag* legum*" OR "maiz* crop*" OR "maiz* field*" OR "maiz* monocrop*" OR "mixed crop*" OR "monocrop* plot*" OR "natur* mulch*" OR "nitrogen* fixat*" OR "plant* napier*" OR "trap* crop*" OR "trap* plant*") AND (stembor* OR striga* OR grasshopp* OR "busseola* fusca*" OR "chilo* partellus*" OR "delia* radicum*" OR "fall* armyworm*" OR "flower* thrip*" OR "frankliniella* occidentali*" OR "herbivor* insect*" OR "insect* pest*" OR "insect* physiolog*" OR "meligeth* aeneus*" OR "oedaleus* asiaticus*" OR "oviposit* prefer*" OR "pest* control*" OR "pest* manag*" OR "pollen* beetl*" OR "spodoptera* frugiperda*" OR "stem* borer*") AND ("yield* loss*" OR "crop* loss*" OR famin* OR "plant* damag*" OR "climat* chang*" OR "drier* area*" OR "food* insecur*" OR "larval* feed*" OR "maiz* plant* damag*" OR "parasit* weed*" OR "pesticid* spray*" OR "plagu* outbreak*" OR "stembor* damag*" OR "striga* infest*" OR "pest* control*" OR "conserv* agricultur*" OR "crop* protect*" OR "environment* friend*" OR "fertil* manag*" OR "food* secur*" OR "grain* yield*" OR "improv* biomass*" OR "increas* maiz*" OR "maiz* product*" OR "maiz* yield*" OR "protect* strategi*" OR "soil* fertil*" OR "striga* control*" OR "sustain* agricultur*" OR "sustain* intensif*" OR "toler* companion*" OR "yield* increas*") AND ("behavio*r* respons*" OR "push* pull*" OR "push*pul*" OR semiochemi* OR "stimulo* deterr*" OR "abort* germin*" OR "allelopath* mechan*" OR "biolog* control*" OR "companion* crop*" OR "companion* plant*" OR "desmodium* repel*" OR "deterr* divers*" OR "deterr* effect*" OR "habitat* manag*" OR "integr* pest* manag*" OR intercrop* OR "manipul* insect*" OR "natur* enem*" OR "reduc* oviposit*" OR "regul* insect*" OR "repel* effect*" OR "repel* plant*" OR "signal* pathway*" OR "suppress* striga*") AND (maiz* OR desmodium* OR sorghum* OR "brassica* napus*" OR "chines* cabbag*" OR "krylovii* roshev*" OR "leymus* chinensi*" OR "melini* minutiflora*" OR "molass* grass*" OR "napier* grass*" OR "ocimum* basilicum*" OR "oilse* rape*" OR "pennisetum* purpureum*" OR "phaseolus* vulgari*" OR "plant* defenc*" OR "plant* defens*" OR "plant* protect*" OR "purpureum* schumach*" OR "stipa* krylovii*" OR "sudan* grass*") AND (intercrop* OR "push*pul*" OR "companion* crop*" OR "companion* plant*" OR "deterr* divers*" OR "integr* pest* managem*" OR "trap* crop*" OR "trap* plant*"))