SuperMat dataset (Foppiano et al, 2021) Grobid-superconductors 37700 PDF (1) Document (2) Named Entities documents from (3) Entity Linking (EL) structuring and Recognition (NER) arXiv 'condpreprocessing mat.supr-cond' Superconductor Grobid ML models Rule-based EL ML model Quantity ML Material ML model model

SuperCon²

40324 records
2052 triplets with "applied pressure"
3602 records with measurement
methods

Material	Critical temperature	Applied pressure
H2S	150 K	150 GPa
H 3 S	203 K	150 GPa
LaScH	52 K	150 GPa