Literature Searching – Key Word Search

Example 1

Topic: Greenhouse gas emission mitigation pathway for light-duty vehicles

Concept	Related term	Related term	Related term
greenhouse gas	GHG	carbon dioxide /CO2	carbon
emission	exhaust	discharge	
mitigat*	reduc*		
vehicle	car	automobile	
passenger	light-duty	private	

(greenhouse gas OR ghg OR "carbon dioxide" OR co2 OR carbon) AND (emission OR exhaust OR discharge) AND (mitigat* OR reduc*) AND (vehicle OR car OR automobile) AND (passenger OR "light-duty" OR private)

Example 2

Topic: Neural network training of amino acid sequence data from phage display datasets

Concept	Related term	Related term	Related term
Neural networks	Recurrent neural networks	Convolutional neural networks	Transformers
Data preprocessing	One-hot encoding	Oversampling	Hyperparameter optimization
Network architecture	Dropout	Activation function	Regularization
Sequences	Amino acids	Complementary-determining region	Heavy chain

("recurrent neural networks" OR "convolutional neural networks" OR "transformers") AND ("one-hot encoding" OR "hyperparameter optimization") AND ("dropout" OR "activation function" OR "regularization") AND ("amino acids" OR "complementary-determining region" OR "heavy chain")

Example 3

Topic: Automated external defibrillator placement in clinical and engineering/optimization literature

Concept	Related term	Related term	Related term
Automated external defibrillator	Public access defibrillator	Public access defibrillation	Defibrillator
Out-of-hospital cardiac arrest	Public cardiac arrest		
Optimization	optimal	optimize	model
Exclude: implantable			

WebOfScience, Embase, Medline:
(public access defibrillator OR automated external defibrillator OR public access defibrillation OR defibrillator) AND (out-of-hospital cardiac arrest OR public cardiac arrest) AND (optimization OR model OR optimal OR optimize) NOT (implantable)

arXiv:
size: 50; include_cross_list: True; terms: AND all="public access defibrillator"; OR all="automated external defibrillator"; OR all="public access defibrillation"; OR all="defibrillator"; AND all="cardiac arrest" OR all=" public cardiac arrest"; NOT all=implantable