PMC website

Build query

"Music[Title] AND (fMRI[Abstract] OR functional magnetic resonance imaging[Abstract])"

pubget

Format URL

https://eutils.ncbi.nlm.nih.gov/entrez/eutils/esearch.fcgi?db=PMC&term=Music[Abstract]+AND+(fMRI[Abstract]+OR+functional+magnetic+resonance+imaging[Abstract])&usehistory=y

Retrieve journal articles as nested XML

```
<?xml version='1.0' encoding='UTF-8'?>
<article xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:mml="http://www.w3.org/1998/-
Math/MathML" article-type="systematic-review">
  <?properties open_access?>
  <front>
    <journal-meta>
      <journal-id journal-id-type="nlm-ta">Front Hum Neurosci</journal-id>
      <journal-id journal-id-type="iso-abbrev">Front Hum Neurosci</journal-id>
      <journal-id journal-id-type="publisher-id">Front. Hum. Neurosci.</journal-id>
      <journal-title-group>
        <journal-title>Frontiers in Human Neuroscience</journal-title>
      </journal-title-group>
```

Output tabular data

pmcid	title	keywords	abstract	body
		evidence-based MRI pMFL	Despite the variability in	Despite the variabil
7903841	Clinical Anatomy			
		mild cognitive de ASL MRI	We sought to systemati	In this comprehens
9776573	The Utility of Ar			
		Microcalcificatio Magnetic resona	Up to a pretest probabili	None of the authors

Output texts ready for annotation

```
1{"text": "P\u0119kala, Przemys\u0142aw A. and \u0141azarz, Dominik P.
 and Rosa, Mateusz A. and P\u0119kala, Jakub R. and Baginski, Adam and
 Gobbi, Alberto and Wojciechowski, Wadim and Tomaszewski, Krzysztof A.
 and LaPrade, Robert F.\nOrthop J Sports Med, 2021\n\n#
 Title\n\nClinical Anatomy of the Posterior Meniscofemoral Ligament of
 Wrisberg: An Original MRI Study, Meta-analysis, and Systematic
```

labelbuddy

Annotate texts

Ground truth

pubextract

Train/test/use methods for extracting further data

"...We had 19 healthy participants in this study (10 male; age range 20-28..."

count	females_count	males_count
19	9	10
10	3	7
18	9	9
67		

custom code

Analyze data