Using the test_data.pkl object

```python
from pprint import pprint # used to make print statements more readable

# Retrieve the dictionary from the pickle file
input = open('test_data.pkl', 'rb')   # select file to (r)ead from
data = pickle.load(input)              # loads the file as a python dictionary, assigned to data
pprint(data)
```

The data output

```
[OrderedDict([('title',
               'Conservation status of the American horseshoe crab, (Limulus '
               'polyphemus): a regional assessment'),
              ('abstract',
               'AbstractHorseshoe crabs have persisted for more than 200 '
               'million years, and fossil forms date to 450 million years ago. '
               'The American horseshoe crab (Limulus polyphemus), one of four '
               'extant horseshoe c'),
              ('publicationDate', '2017-03-01'),
              ('url', 'http://dx.doi.org/10.1007/s11160-016-9461-y'),
              ('issn', '1573-5184')]),
 OrderedDict([('title',
               'Taxonomic examination of longgu (Fossilia Ossis Mastodi, '
               '"dragon bone") and a related crude drug, longchi (Dens '
               'Draconis, "dragon tooth"), from Japanese and Chinese crude '
               'drug markets'),
              ('abstract',
               'AbstractLonggu ("dragon bone," Ryu-kotsu, Fossilia Ossis '
               'Mastodi, or Os Draconis) is the only fossil crude drug listed '
               'in the Japanese Pharmacopoeia. All longgu in the current '
               'Japanese market is impor'),
              ('publicationDate', '2017-02-20'),
              ('url', 'http://dx.doi.org/10.1007/s11418-016-1062-5'),
              ('issn', '1861-0293')]),
 OrderedDict([('title',
               'Agri-food-energy system metabolism: a historical study for '
               'northern France, from nineteenth to twenty-first centuries'),
              ('abstract',
               'AbstractWe reconstruct the metabolism of cereal grain '
               'production and processing systems in the Seine river basin at '
               'four time points between 1860 and 2010 in terms of nitrogen '
               'and energy flows, on the'),
              ('publicationDate', '2017-02-15'),
              ('url', 'http://dx.doi.org/10.1007/s10113-017-1119-3'),
              ('issn', '1436-378X')]),
 OrderedDict([('title',
               'Erosion of insect diversity in response to 7000\xa0years of '
               'relative sea-level rise on a small Mediterranean island'),
              ('abstract',
               'AbstractWe have investigated the potential effects of global '
               'sea-level rise on Mediterranean coastal wetlands by studying '
```

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                   'the Coleoptera and pollen fossil remains in a 7000-year '
                   'sedimentary record, wh'),
              ('publicationDate', '2017-02-15'),
              ('url', 'http://dx.doi.org/10.1007/s10531-017-1322-z'),
              ('issn', '1572-9710')]),
OrderedDict([('title',
                   'Evidence for diversification of Calophyllum L. '
                   '(Calophyllaceae) in the Neogene Siwalik forests of eastern '
                   'Himalaya'),
              ('abstract',
                   'AbstractHere, we report fossil leaves, woods, and pollen '
                   'grains comparable to Calophyllum L. (mainly to Calophyllum '
                   'inophyllum L. and Calophyllum polyanthum Wall. ex Choisy) of '
                   'Calophyllaceae from the'),
              ('publicationDate', '2017-02-13'),
              ('url', 'http://dx.doi.org/10.1007/s00606-016-1376-5'),
              ('issn', '1615-6110')]),
OrderedDict([('title',
                   'Characteristics and source apportionment of black carbon '
                   'aerosols over an urban site'),
              ('abstract',
                   'AbstractAethalometer based source apportionment model using '
                   'the measured aerosol absorption coefficients at different '
                   'wavelengths is used to apportion the contribution of fossil '
                   'fuel and wood burning '),
              ('publicationDate', '2017-02-10'),
              ('url', 'http://dx.doi.org/10.1007/s11356-017-8453-3'),
              ('issn', '1614-7499')]),
OrderedDict([('title',
                   'Future Directions in the Field of High-Temperature Corrosion '
                   'Research'),
              ('abstract',
                   'AbstractHigh-temperature corrosion research will face a '
                   'significant change in the near future. Up until now, this '
                   'research area was dominated by materials issues related to the '
                   'use of fossil fuels in '),
              ('publicationDate', '2017-02-03'),
              ('url', 'http://dx.doi.org/10.1007/s11085-017-9719-3'),
              ('issn', '1573-4889')]),
OrderedDict([('title',
                   'The Evolution of Angiosperm Trees: From Palaeobotany to '
                   'Genomics'),
              ('abstract',
                   'AbstractAngiosperm trees now rival the largest conifers in '
                   'height and many species reach over 80 m high. The large tree '
                   'life form, with extensive secondary xylem, originated with the '
                   'progymnosperms an'),
              ('publicationDate', '2017-02-03'),
              ('url', 'http://dx.doi.org/10.1007/7397_2016_31'),
              ('issn', '')]),
OrderedDict([('title', 'Detection capabilities: some historical footnotes'),
              ('abstract',
                   'AbstractPart I Summary of relevant topics from 1923 to '
                   'present—including: Currie (Anal Chem 40:586–593, 1968) '
                   'detection concepts & capabilities; International detection & '
                   'uncertainty standards; Failur'),
              ('publicationDate', '2017-02-01'),
```

```
                ('url', 'http://dx.doi.org/10.1007/s10967-016-4925-z'),
                ('issn', '1588-2780')]),
OrderedDict([('title',
               'Well-to-wake analysis of ethanol-to-jet and sugar-to-jet '
               'pathways'),
              ('abstract',
               'AbstractBackgroundTo reduce the environmental impacts of the '
               'aviation sector as air traffic grows steadily, the aviation '
               'industry has paid increasing attention to bio-based '
               'alternative jet fuels (AJFs'),
              ('publicationDate', '2017-01-24'),
              ('url', 'http://dx.doi.org/10.1186/s13068-017-0698-z'),
              ('issn', '1754-6834')])]
 ```
```