如何使用CiteSpace分析 Derwent专利数据

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个人主页: http://blog.sciencenet.cn/u/jerrycueb

1. 登录Derwent Innovations Index数据库

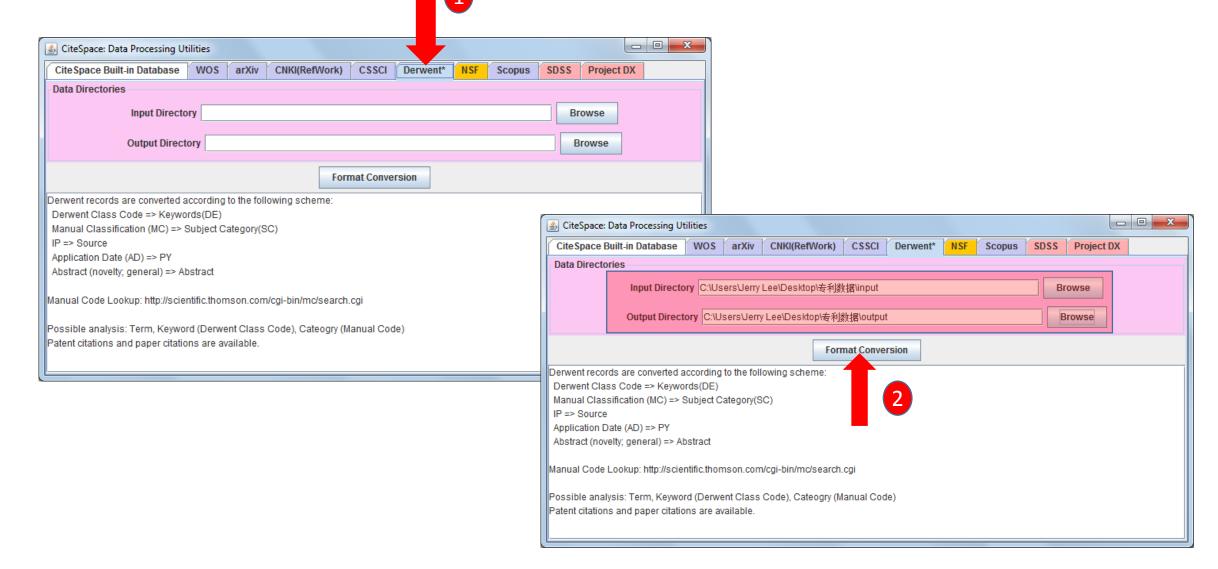
可以通过登录Web of science后,选择专利数据库Derwent Innovations Index



2. 检索结果与数据采集



3. 数据转换



3. 数据转换

```
1 FN Thomson Reuters Web of Science™
   VR 1.0
    PT P
    PN US2014277881-A1
   TI Method for starting internal combustion engine of hybrid electric vehic
   AU OKUBO S
       BUTCHER J A
   AE FORD GLOBAL TECHNOLOGIES LLC (FORD-C)
    GA 2014T50898
10 AB
          NOVELTY - The method involves applying cranking torque of an engine
11
       USE - Method for starting an engine i.e. internal combustion engine, of
12
       ADVANTAGE - The method enables shutting down the engine during times th
13
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the fol
14
       (1) a method for controlling an engine
15
       (2) a hybrid vehicle.
16
       DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of a veh
17
       Vehicle (10)
18
       Engine (12)
19
       System controller (14)
20
       Transaxle (32)
21
       Gear set (38)
22 DC Q73 (Combustion equipment/processes); X21 (Electric Vehicles); X22 (Aut
    MC X21-A01D1; X22-A03A; X22-A03E; X22-P04A; X22-X06N
    IP B60W-010/06; B60W-010/08; B60W-020/00; F02D-041/06
    PD US2014277881-A1
                       18 Sep 2014 F02D-041/06
                                                    201469
                                                             Pages: 10
    AD US2014277881-A1
                         US010618
                                      27 Aug 2013
    FD US2014277881-A1 Provisional Application US799103P
    PI US799103P
                   15 Mar 2013
29
       US010618
                   27 Aug 2013
```

```
1 FN ISI Export Format
 2 VR 1.0
 3 PT P
 4 AU OKUBO, S
       BUTCHER, JA
 6 AF OKUBO, S
 8 TI Method for starting internal combustion engine of hybrid electric vehicle, involves applying combustions.
 9 SO B60W-010/06;B60W-010/08;B60W-020/00;F02D-041/06
10 LA English
11 DT Article
12 DE q73 (combustion equipment/processes); x21 (electric vehicles); x22 (automotive electrics)
13 AB NOVELTY - The method involves applying cranking torque of an engine (12) to an engine cranking
14 C1 FORD GLOBAL TECHNOLOGIES LLC (FORD-C).
15 RP .
16 NR 0
17 TC 0
18 PU
19 PI
20 PA
21 SN
22 Ј9 -
23 PD Aug-27
                                               转换后
24 PY 2013
25 VL -
26 IS -
27 BP -
28 EP -
29 DI
```

4.数据分析

- 分析步骤与分析Web of Science的文献数据一致,一些基础步骤请参考:如何使用CiteSpace的一组示范及常见问题解答
- http://cluster.ischool.drexel.edu/~cchen/citespace/doc/tutorial/how_to/2.co-citation-analysis.pdf

4.结果: 共词(Keywords)网络

CiteSpace, v. 3.8.R7 (64-bit)
November 14, 2014 9:33:31 AM CST
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Timespan: 2014-2014 (Slice Length=1)
Selection Criteria: Top 50 per slice
Network: N=50, E=78 (Density=0.0637)
Pruning: None

Modularity Q=0.6619 Mean Silhouette=0.5754

viean Siinoueπe=0.5754

q71 (lighting)

a95 (transport - including vehicle parts_tyres and armaments)

#3 white oil

s02 (engineering instrumentatia85 (electrical applications) neral testing methods)

103 (electro-(in)organic_chemical features of electrical devices) 24 broken or the thirty party or have q16 (vehicle lighting_signalling) x11 (power generation : x16i (electrochemical storage) otive electrics) q19 (air-cushion vehicles) x21 (electrical instruments including e.g. instrument panels) #4 power device #2 constant winch line tension milli-ince-ferrous alloys including production and composition) attents and processes) x12 (power distribution/components/converters) g14 (electric propulsion_seating) q17 (vehicle parts fittings servicing) #1 nickel#0jelectricavehicleuters) q18 (brake-control systems) u24 (amplifiers and low power supplies) x24 (electric weldling) p55 (soldering_welding metal) v03 (switches_relays) x13 (switchgear protection electric drives) v02 (inductors and transformers)

s03 (scientific instrumentation_phot q64 (belts chains _gearing)

h06 (gaseous and liquid fuels including pollution control)

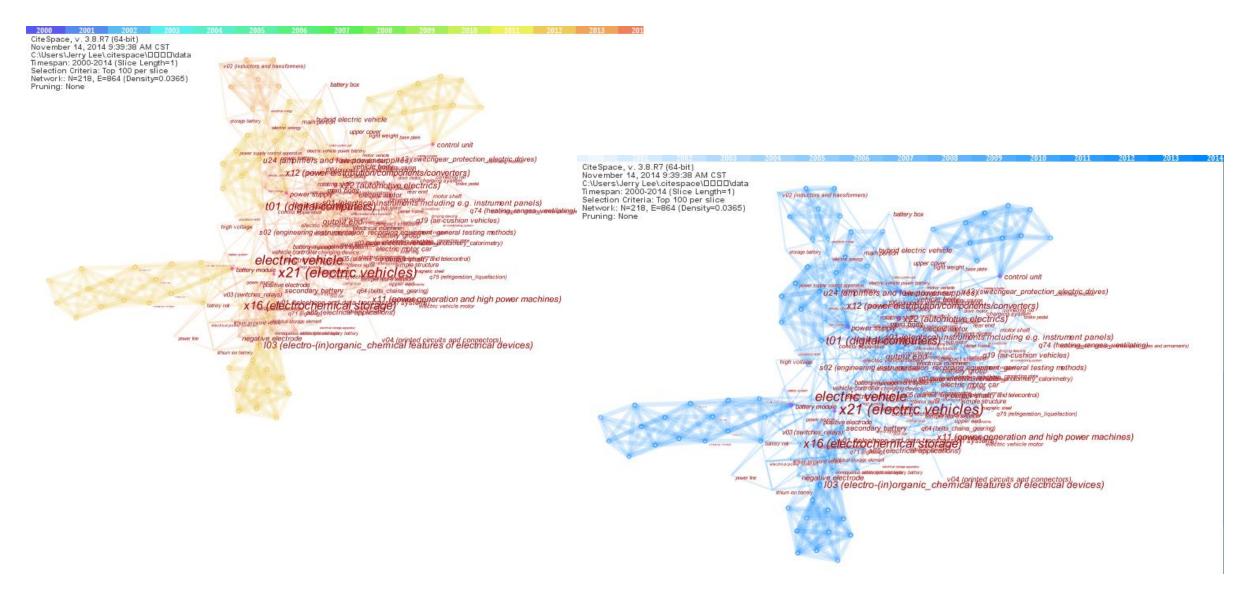
w01 (telephone and data transmission systems)

u22 (pulse generation and manipulation rectangular wave oscillators)

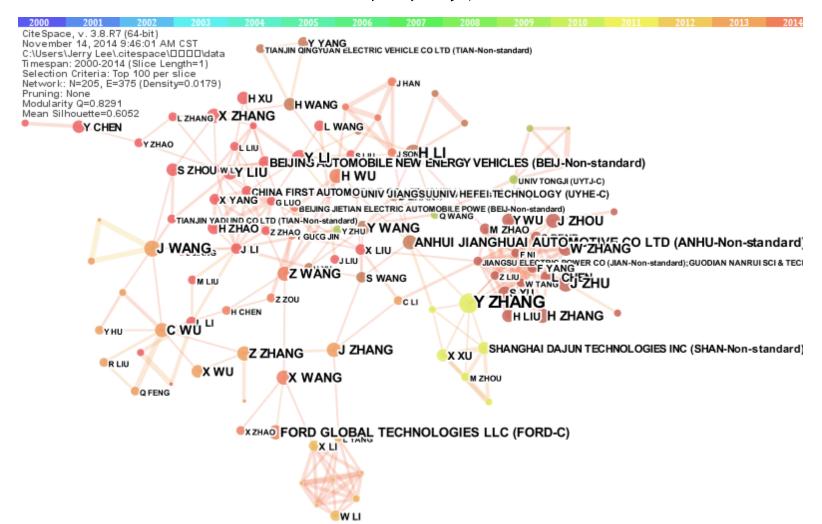
q41 (raad_rail_bridge construction)

v04 (printed circuits and connectors) w05 (alarms_signalling_telemetry and telecontrol)

4. 结果: 主题 (terms) 网络



4.结果: 作者 (authors) -机构 (institutions) 网络



说明

• 由于收集的数据很少,这里就不展示共被引网络了。

更多CiteSpace学习资料参见

• 如何使用CiteSpace的一组示范及常见问题解答

http://blog.sciencenet.cn/blog-496649-838067.html

• CiteSpace手册

http://cluster.ischool.drexel.edu/~cchen/citespace/CiteSpaceManual.p df