**专利keyword实验结果(人工标注取5、10个)**

**空调：**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | frequency(%) | | TF-IDF(%) | | textRank(%) | | ours(%) | |
| truth\_top | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 |
| 谢育欣 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | 49.30 |  | **54.00** |
| top15 |  |  |  |  |  | 62.70 |  | **71.10** |
| top20 |  |  |  |  |  | 73.30 |  | **85.90** |
| 植文武 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | 46.26 |  | **47.63** |
| top15 |  |  |  |  |  | 59.93 |  | **64.66** |
| top20 |  |  |  |  |  | 70.66 |  | **77.28** |
| 综合 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  |  |  |  |
| top15 |  |  |  |  |  |  |  |  |
| top20 |  |  |  |  |  |  |  |  |

**电视：**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | frequency(%) | | TF-IDF(%) | | textRank(%) | | ours(%) | |
| truth\_top | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 |
| 余道远 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | 57.01 |  | 57.01 |
| top15 |  |  |  |  |  | **71.04** |  | 67.33 |
| top20 |  |  |  |  |  | 78.25 |  | **80.56** |
| 丁晗 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | **50.83** |  | 44.88 |
| top15 |  |  |  |  |  | 63.88 |  | **65.76** |
| top20 |  |  |  |  |  | 73.90 |  | **79.01** |
| 综合 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  |  |  |  |
| top15 |  |  |  |  |  |  |  |  |
| top20 |  |  |  |  |  |  |  |  |

**清洁：**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | frequency(%) | | TF-IDF(%) | | textRank(%) | | ours(%) | |
| truth\_top | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 |
| 周明 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | **43.29** |  | 39.50 |
| top15 |  |  |  |  |  | **56.09** |  | 53.73 |
| top20 |  |  |  |  |  | **65.71** |  | 64.79 |
| 唐雪涛 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | 41.68 |  | **52.10** |
| top15 |  |  |  |  |  | 53.36 |  | **65.05** |
| top20 |  |  |  |  |  | 63.78 |  | **75.36** |
| 综合 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  |  |  |  |
| top15 |  |  |  |  |  |  |  |  |
| top20 |  |  |  |  |  |  |  |  |

**冰箱：**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | frequency(%) | | TF-IDF(%) | | textRank(%) | | ours(%) | |
| truth\_top | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 |
| 谢育欣 | top5 | 51.60 | 34.63 | **45.20** | **34.83** | 39.60 | 28.32 | 40.60 | 28.42 |
| top10 | 78.40 | 56.05 | **63.80** | **53.95** | 59.80 | 47.94 | 60.40 | 47.94 |
| top15 | 89.20 | 69.56 | 75.20 | **68.76** | 69.80 | 62.06 | **75.40** | 64.46 |
| top20 | 95.20 | 78.07 | 81.60 | **77.97** | 76.20 | 71.87 | **84.20** | 77.67 |
| 植文武 | top5 | 54.74 | 36.40 | **48.48** | **35.76** | 43.83 | 30.62 | 34.94 | 26.55 |
| top10 | 77.97 | 58.50 | **66.86** | **55.93** | 61.21 | 48.55 | 53.53 | 43.10 |
| top15 | 86.26 | 71.55 | **75.35** | **68.34** | 70.10 | 60.85 | 68.48 | 57.54 |
| top20 | 93.13 | 79.89 | **79.59** | **75.18** | 77.57 | 70.58 | 78.58 | 70.26 |
| 综合 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  |  |  |  |
| top15 |  |  |  |  |  |  |  |  |
| top20 |  |  |  |  |  |  |  |  |

**洗衣机：**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | frequency(%) | | TF-IDF(%) | | textRank(%) | | ours(%) | |
| truth\_top | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 |
| 李玉玲 | top5 | 49.40 | 37.11 | 39.60 | **34.98** | 40.40 | 32.96 | **46.00** | 34.48 |
| top10 | 75.20 | 60.95 | 61.80 | 57.09 | 62.40 | 52.83 | **66.40** | **55.88** |
| top15 | 86.00 | 73.83 | 73.80 | 70.18 | 73.80 | 67.24 | **79.60** | **72.31** |
| top20 | 93.00 | 82.25 | 81.80 | 80.52 | 81.20 | 77.28 | **87.20** | **83.26** |
| 岳永政 | top5 | 51.50 | 39.73 | **43.86** | **38.75** | 42.85 | 34.96 | 38.83 | 29.95 |
| top10 | 77.06 | 65.03 | **63.98** | **60.14** | 62.17 | 54.52 | 59.95 | 50.73 |
| top15 | 87.12 | 77.50 | **76.45** | **72.73** | 72.03 | 67.60 | 72.23 | 65.77 |
| top20 | 93.15 | 85.94 | **83.09** | **81.17** | 81.48 | 77.26 | 81.08 | 76.03 |
| 综合 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  |  |  |  |
| top15 |  |  |  |  |  |  |  |  |
| top20 |  |  |  |  |  |  |  |  |

**电话：**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | frequency(%) | | TF-IDF(%) | | textRank(%) | | Ours(%) | |
| truth\_top | | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 |
| 余道远 | top5 |  |  |  |  |  |  |  |  |
| top10 | 78.77 |  | **67.55** |  | 66.32 | 59.81 | 57.14 | 49.18 |
| top15 | 87.75 |  | **76.53** |  | 75.91 | 71.88 | 71.42 | 67.89 |
| top20 | 91.02 |  | 83.06 |  | 82.44 | 81.59 | 81.22 | 80.16 |
| 丁晗 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  | 53.16 |  | 48.87 |
| top15 |  |  |  |  |  | 66.35 |  | **69.22** |
| top20 |  |  |  |  |  | 77.60 |  | **81.90** |
| 综合 | top5 |  |  |  |  |  |  |  |  |
| top10 |  |  |  |  |  |  |  |  |
| top15 |  |  |  |  |  |  |  |  |
| top20 |  |  |  |  |  |  |  |  |