

Table S1. Information table of resource-based cities in the study area

| Rank | City | Rank | City | Rank | City | Rank | City |
|------|--------------|------|-------------|------|------------|------|--------------|
| 1 | Xuzhou | 30 | Chuzhou | 59 | Qingyang | 88 | Wuwei |
| 2 | Tangshan | 31 | Nanchong | 60 | Songyuan | 89 | Pingliang |
| 3 | Linyi | 32 | Linfen | 61 | Yulin | 90 | Longnan |
| 4 | Luoyang | 33 | Zaozhuang | 62 | Bijie | 91 | Baiyin |
| 5 | Zibo | 34 | Chengde | 63 | Yanan | 92 | Yangquan |
| 6 | Nanyang | 35 | Changzhi | 64 | Bozhou | 93 | Fushun |
| 7 | Jining | 36 | Yuncheng | 65 | Baise | 94 | Benxi |
| 8 | Xianyang | 37 | Suzhou | 66 | Hulun Buir | 95 | Hezhou |
| 9 | Handan | 38 | Qijing | 67 | Huaibei | 96 | Yaan |
| 10 | Baoji | 39 | Sanming | 68 | Anshan | 97 | Puer |
| 11 | Ordos | 40 | Huangshan | 69 | Yunfu | 98 | Tongchuan |
| 12 | Baotou | 41 | Nanping | 70 | Pingxiang | 99 | Baishan |
| 13 | Hengyang | 42 | Jinzhong | 71 | Ezhou | 100 | Shizuishan |
| 14 | Dongying | 43 | Zhangjiakou | 72 | Shaoguan | 101 | Liaoyuan |
| 15 | Taian | 44 | Loudi | 73 | Daqing | 102 | Huludao |
| 16 | Ganzhou | 45 | Dazhou | 74 | Lincang | 103 | Zhangye |
| 17 | Jilin | 46 | Sanmenxia | 75 | Jingdezhen | 104 | Hechi |
| 18 | Chenzhou | 47 | Puyang | 76 | Zigong | 105 | Jixi |
| 19 | Longyan | 48 | Datong | 77 | Panjin | 106 | Lijiang |
| 20 | Weinan | 49 | Mudanjiang | 78 | Xinyu | 107 | Wuhai |
| 21 | Luzhou | 50 | Liupanshui | 79 | Tonghua | 108 | Fuxin |
| 22 | Maanshan | 51 | Tongling | 80 | Shuozhou | 109 | Jinchang |
| 23 | Suqian | 52 | Guangan | 81 | Panzhihua | 110 | Heihe |
| 24 | Jiaozuo | 53 | Jincheng | 82 | Anshun | 111 | Qitaihe |
| 25 | Xingtai | 54 | Xuancheng | 83 | Hebi | 112 | Shuangyashan |
| 26 | Pingdingshan | 55 | Xinzhou | 84 | Zhaotong | 113 | Hegang |
| 27 | Shaoyang | 56 | Chifeng | 85 | Chizhou | 114 | Yichun |
| 28 | Huzhou | 57 | Huainan | 86 | Baoshan | 115 | Kelamayi |
| 29 | Yichun | 58 | Lvliang | 87 | Guangyuan | | |