### **Supplementary file 4. Search strategies for each database.**

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| --- | --- | --- |
| **Search Number** | **Key Words** | **Results** |
| **MEDLINE (via Pubmed.gov)** |
| 1# | Idiopathic scoliosis, GWAS/ | 69 |
| 2# | Idiopathic scoliosis, SNP/ | 56 |
| 3# | Idiopathic scoliosis, single nucleotide polymorphism/ | 149 |
| 4# | Idiopathic scoliosis, variant/ | 129 |
| **Web of Science (via Clarivate Analytics)** |
| 1# | Idiopathic scoliosis, GWAS/ | 42 |
| 2# | Idiopathic scoliosis, SNP/ | 71 |
| 3# | Idiopathic scoliosis, single nucleotide polymorphism/ | 198 |
| 4# | Idiopathic scoliosis, variant/ | 227 |