# S3 Table. Top 20 reasons for retraction for 4,603 unique retracted research articles

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| **Reason of retraction (Top 20 out of 86 distinct reasons)** | **Count** | **Percent** |
| Duplication of Article | 667 | 14.5% |
| Fake Peer Review | 594 | 12.9% |
| Plagiarism of Article | 412 | 9.0% |
| Error in Data | 369 | 8.0% |
| Unreliable Results | 363 | 7.9% |
| Plagiarism of Text | 339 | 7.4% |
| Notice - Limited or No Information | 329 | 7.1% |
| Misconduct by Author | 314 | 6.8% |
| Duplication of Image | 296 | 6.4% |
| Euphemisms for Plagiarism | 271 | 5.9% |
| Concerns/Issues About Data | 257 | 5.6% |
| Error in Methods | 250 | 5.4% |
| Falsification/Fabrication of Data | 250 | 5.4% |
| Withdrawal | 246 | 5.3% |
| Error in Results and/or Conclusions | 237 | 5.1% |
| Manipulation of Images | 209 | 4.5% |
| Misconduct - Official Investigation/Finding | 194 | 4.2% |
| Error in Analyses | 193 | 4.2% |
| Concerns/Issues About Authorship | 188 | 4.1% |
| Euphemisms for Duplication | 185 | 4.0% |