**Supplement file 1** Analysis of top journals and their citations

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| **Rank** | **Top productive journals** |  | **Top cited journals** |  | **Top average citations** |
| **Journals (IF&Q)** | **Total number****(n)** | **Percentage (%)** |  | **Journals****(IF&Q)** | **Total number****(n)** | **Total Citations** |  | **Journals****(IF&Q)** | **Total number****(n)** | **Average times** |
| 1 | Gynecological Endocrinology (2.2, Q3) | 156 | 5.4% |  | The Journal of Clinical Endocrinology & Metabolism(6.1, Q1) | 101 | 4100 |  | Endocrine Reviews(25.2, Q1) | 6 | 298.1 |
| 2 | The Journal of Clinical Endocrinology & Metabolism(6.1, Q1) | 101 | 3.5% |  | Human Reproduction(6.3, Q1) | 77 | 2808 |  | Nature Reviews Endocrinology(47.5, Q1) | 6 | 150.5 |
| 3 | Human Reproduction(6.3, Q1) | 77 | 2.7% |  | Human Reproduction Update(17.1, Q1) | 23 | 2443 |  | Human Reproduction Update(17.1, Q1) | 23 | 106.2 |
| 4 | Fertility and Sterility(7.4, Q1) | 71 | 2.4% |  | Fertility and Sterility(7.4, Q1) | 71 | 2332 |  | BMC Medicine(11.1, Q1) | 7 | 95.2 |
| 5 | Frontiers in Endocrinology(6.0, Q1) | 71 | 2.4% |  | PloS One(3.7, Q2) | 56 | 2076 |  | Endocrinology and Metabolism Clinics of North America(4.7, Q2) | 5 | 78.4 |
| 6 | Clinical Endocrinology(3.5, Q3) | 66 | 2.3% |  | Gynecological Endocrinology (2.2, Q3) | 156 | 2000 |  | Diabetes(9.3, Q1) | 7 | 60.4 |
| 7 | PloS One(3.7, Q2) | 56 | 1.9% |  | Endocrine Reviews(25.2, Q1) | 6 | 1789 |  | Steroids(2.7, Q4) | 18 | 51.4 |
| 8 | Nutrients(6.7, Q1) | 37 | 1.3% |  | Clinical Endocrinology(3.5, Q3) | 66 | 1496 |  | Cochrane Database of Systematic Reviews(12.0, Q1) | 6 | 48.3 |
| 9 | Journal of Endocrinological Investigation(5.4, Q2) | 36 | 1.2% |  | European Journal of Endocrinology(6.5, Q1) | 28 | 1146 |  | Obesity Reviews(10.8, Q1) | 12 | 46.2 |
| 10 | European Journal of Obstetrics & Gynecology and Reproductive Biology(2.8, Q3) | 34 | 1.1% |  | Steroids(2.7, Q4) | 18 | 926 |  | Maturitas(5.1, Q1)  | 9 | 46.1 |
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