Supplementary Material

**Bibliometric analysis of vitamin D and obesity research over the period 2000 to 2023**

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**Supplementary Table S1.** Excluded publication

|  |  |
| --- | --- |
| Type | Title |
| Retracted publication | RETRACTED:Vitamin D Supplementation Affects Serum High-Sensitivity C-Reactive Protein, Insulin Resistance, and Biomarkers of Oxidative Stress in Pregnant Women (Publication with Expression of Concern. See vol. 150, pg. 3042, 2020) (Retracted article. See vol. 151, pg. 1359, 2021) |
| RETRACTED:The malignant obesity hypoventilation syndrome (MOHS) (Retracted article. See vol. 15, pg. 358, 2014) |

**Supplementary Table S2.** Top ten authors with the highest TLCS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Rank | Name | Publications | TLCS | TGCS | Institutions |
| 1 | Michael F. Holick | 21 | 1,288 | 3,237 | Boston University |
| 2 | T C Chen | 4 | 1,195 | 2,543 | Boston University |
| 3 | Zhiren Lu | 2 | 1,082 | 2,327 | Boston University |
| 4 | L Y Matsuoka | 1 | 1,042 | 2,258 | Boston University |
| 5 | J Wortsman | 1 | 1,042 | 2,258 | Boston University |
| 6 | Rolf Jorde | 22 | 653 | 2,039 | UiT The Arctic University of Norway |
| 7 | M B Zemel | 17 | 556 | 2,491 | University of Tennessee |
| 8 | Sarah L Booth | 3 | 345 | 772 | Tufts University |
| 9 | Paul Lips | 8 | 338 | 1,520 | Vrije Universiteit Amsterdam |
| 10 | Jack A Yanovski | 6 | 336 | 871 | Tufts University |

**Supplementary Table S3.** Top ten journal with the highest TLCS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rank | Journal | Recs | TLCS | TGCS | Impact factor(2022-2023) | H index |
| 1 | American Journal of Clinical Nutrition | 70 | 2,436 | 8,948 | 7.1 | 307 |
| 2 | Obesity Surgery | 204 | 2,050 | 7,036 | 2.9 | 128 |
| 3 | Journal of Clinical Endocrinology & Metabolism | 82 | 2,004 | 6,903 | 5.8 | 328 |
| 4 | Obesity | 37 | 814 | 2,153 | 6.9 | 177 |
| 5 | International Journal of Obesity | 52 | 714 | 1,943 | 4.9 | 204 |
| 6 | European Journal of Endocrinology | 20 | 619 | 1,782 | 5.8 | 131 |
| 7 | Journal of Steroid Biochemistry and Molecular Biology | 57 | 507 | 1,512 | 4.1 | 116 |
| 8 | British Journal of Nutrition | 62 | 398 | 2,280 | 3.6 | 166 |
| 9 | Surgery for Obesity and Related Diseases | 46 | 377 | 1,423 | 3.1 | 75 |
| 10 | Journal of Nutrition | 46 | 359 | 2,168 | 4.2 | 240 |