Supplementary Table 1. The top 20 most cited publications on daphnetin and esculin research from 1990-2022. TC-Total citation, TC/year-Total citation per year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S/N | Paper | DOI | TC | TC/year |
| 1 | FYLAKTAKIDOU KC, 2004, CURR PHARM DESIGN | 10.2174/1381612043382710 | 803 | 40.15 |
| 2 | KOSTOVA I, 2005, CURR MED CHEM ANTI-CANCER AGENTS | 10.2174/1568011053352550 | 508 | 26.74 |
| 3 | RIVEIRO ME, 2010, CURR MED CHEM | 10.2174/092986710790936284 | 381 | 27.21 |
| 4 | PAYÁ M, 1992, BIOCHEM PHARMACOL | 10.1016/0006-2952(92)90002-Z | 371 | 11.59 |
| 5 | WEILER A, 2002, ARTHROSCOPY | 10.1053/jars.2002.30657 | 336 | 15.27 |
| 6 | KOSTOVA I, 2011, CURR MED CHEM | 10.2174/092986711803414395 | 302 | 23.23 |
| 7 | TSUCHIYA C, 2008, LETT APPL MICROBIOL | 10.1111/j.1472-765X.2007.02258.x | 289 | 18.06 |
| 8 | THARMARAJ N, 2003, J DAIRY SCI | 10.3168/jds.S0022-0302(03)73821-1 | 283 | 13.48 |
| 9 | TOPRAK NU, 2006, CLIN MICROBIOL INFECT | 10.1111/j.1469-0691.2006.01494.x | 278 | 15.44 |
| 10 | HE R, 2002, J MATER CHEM | 10.1039/b205214h | 269 | 12.23 |
| 11 | THARMARAJ N, 2003, J DAIRY SCI | 10.3168/jds.S0022-0302(03)73821-1 | 253 | 12.05 |
| 12 | LIOU JSC, 2005, INT J SYST EVOL MICROBIOL | 10.1099/ijs.0.63482-0 | 245 | 12.89 |
| 13 | BALLESTEROS-GÓMEZ A, 2010, ANAL CHIM ACTA | 10.1016/j.aca.2010.07.027 | 240 | 17.14 |
| 14 | WU L, 2009, CURR MED CHEM | 10.2174/092986709789578187 | 219 | 14.6 |
| 15 | KWAW E, 2018, FOOD CHEM | 10.1016/j.foodchem.2018.01.009 | 195 | 32.5 |
| 16 | KISHIMOTO N, 1991, CURR MICROBIOL | 10.1007/BF02106205 | 194 | 5.88 |
| 17 | DELAMUTA JRM, 2013, INT J SYST EVOL MICROBIOL | 10.1099/ijs.0.049130-0 | 193 | 17.55 |
| 18 | HIRAI A, 2004, INT J SYST EVOL MICROBIOL | 10.1099/ijs.0.02776-0 | 187 | 9.35 |
| 19 | NATIC MM, 2015, FOOD CHEM | 10.1016/j.foodchem.2014.08.101 | 185 | 20.56 |
| 20 | ROGER M, 2010, BIOMATERIALS | 10.1016/j.biomaterials.2010.07.048 | 184 | 13.14 |

Supplementary Table 2: The top 20 most relevant keywords [Author’s keyword (DE); keyword- plus (ID)] in daphnetin and esculin research from 1990 to 2022.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Rank | Author keywords (DE) | Articles | Rank | Keywords-Plus (ID) | Articles |
| **1** | Daphnetin | 158 | 1 | Article | 1062 |
| **2** | Esculin | 126 | 2 | Esculin | 1027 |
| **3** | Coumarins | 77 | 3 | Nonhuman | 870 |
| **4** | Coumarins | 52 | 4 | DNA | 609 |
| **5** | Esculetin | 47 | 5 | Phylogeny | 606 |
| **6** | <U+0392>-Glucosidase | 37 | 6 | Priority journal | 473 |
| **7** | Antioxidant | 37 | 7 | Controlled study | 472 |
| **8** | Taxonomy | 35 | 8 | Unclassified drug | 406 |
| **9** | Beta-glucosidase | 32 | 9 | Human | 382 |
| **10** | Polyphasic taxonomy | 31 | 10 | RNA 16S | 382 |
| **11** | Flavonoids | 30 | 11 | Bacterial | 345 |
| **12** | Aesculin | 29 | 12 | Ribosomal | 338 |
| **13** | Inflammation | 29 | 13 | RNA | 313 |
| **14** | Mastitis | 29 | 14 | Sequence analysis | 297 |
| **15** | Oxidative stress | 23 | 15 | Chemistry | 285 |
| **16** | Identification | 21 | 16 | 16S | 272 |
| **17** | Apoptosis | 20 | 17 | Bacterium isolation | 267 |
| **18** | Enterococci | 20 | 18 | Animals | 265 |
| **19** | Fraxin | 20 | 19 | Bacterium identification | 262 |
| **20** | Bacteria | 18 | 20 | Fatty acid | 262 |