

1. Oyeboode, O. D., & Tulay, P. (2023). Mesenchymal stem cells applications in Alzheimer's disease. *Global Medical Genetics*, 10(04), 382–387. <https://doi.org/10.1055/s-0043-1777087>
2. Baddal, B., Bostancı, A., Ünal Evren, E., & Gazi, U. (2023). Assessment of respiratory viral co-infections among SARS-CoV-2-infected patients. *Flora: The Journal of Infectious Diseases and Clinical Microbiology*, 28(2), 217–224. <https://doi.org/10.5578/flora.20239921>
3. Kaynarca, D., Korkmazhan, T., Oktay, M. N., & Şanlıdağ, T. (2023). Monitoring of SARS-CoV-2 RNA in public areas: An investigation of environmental surface contamination. *Erciyes Medical Journal*, 45(2), 203–206. <https://doi.org/10.14744/etd.2022.94468>
4. Masalmeh, A. M. J. J., Güler, E., Süer, K., & Güvenir, M. (2023). Colistin resistance in clinical isolates of *Acinetobacter baumannii* by broth microdilution method, biofilm production, and antimicrobial susceptibility profiles: Experimental study. *Academic Journal of Health Sciences*, 38(3), 89–93. <https://doi.org/10.3306/AJHS.2023.38.03.89>
5. Başoğlu-Ünal, F., Becer, E., Ensarioğlu, H. K., Güzeldemirci, N. U., Kuran, E. D., & Vatansever, H. S. (2023). A newly synthesized thiosemicarbazide derivative trigger apoptosis rather than necroptosis on *HEPG2* cell line. *Chemical Biology & Drug Design*, 103(1). <https://doi.org/10.1111/cbdd.14355>
6. Hacet, F., Becer, E., Vatansever, H. S., & Yücecan, S. (2023). Investigation of neuroprotective effects of sulforaphane and allyl isothiocyanate in an *in vitro* Alzheimer's disease model. *Pharmacognosy Magazine*, 19(4), 822–830. <https://doi.org/10.1177/09731296231187443>
7. Mamurova, B., Akan, G., Mogol, E., Turgay, A., Tuncel, G., Evren, E. U., Evren, H., Suer, K., Sanlidag, T., & Ergoren, M. C. (2023). Strong association between vitamin D receptor gene and severe acute respiratory syndrome coronavirus 2 infectious variants. *Global Medical Genetics*, 10(01), 027–033. <https://doi.org/10.1055/s-0043-1761924>
8. Ergoren, M. C., Akan, G., Guler, E., Tuncel, G., Akovalı, D., Evren, E. U., Evren, H., Suer, H. K., & Sanlidag, T. (2023). Sex and ABO blood differences in SARS-CoV-2 infection susceptibility. *Global Medical Genetics*, 10(01), 22–26. <https://doi.org/10.1055/s-0043-1761202>

9. Tuncel, G., Sanlıdag, B., Dirik, E., Baris, T., Ergoren, M. C., & Temel, S. G. (2023). Lessons from real life experience: Importance of in-house sequencing and smart ratio-based real-time PCR outperform multiplex ligation-dependent probe amplification in prenatal diagnosis for spinal muscular atrophy. *Global Medical Genetics*, 10(03), 240–246. <https://doi.org/10.1055/s-0043-1774307>
10. Hoti, Q., Akan, G., Tuncel, G., Evren, E. U., Evren, H., Suer, K., Sanlidag, T., & Ergoren, M. C. (2023). Altered expression levels of *TAS1R2* and *TAS1R3* genes among SARS-CoV-2 variants of concern. *Molecular Biology Reports*, 50(11), 9343–9351. <https://doi.org/10.1007/s11033-023-08893-5>
11. Aktan, M., Aytacıoğlu, H., Özbakır, B., & Tulay, P. (2023). Regulation of *CYP11A1* gene by lncRNAs in human oocytes obtained from patients with polycystic ovaries. *Russian Journal of Genetics*, 59(S1), 106–109. <https://doi.org/10.1134/s102279542313001x>
12. Sayan, M., Arikan, A., & Sanlidag, E. (2023). Molecular epidemiology of SARS-CoV-2 Omicron sub-lineages isolated from Turkish patients infected with COVID-19. *Viruses*, 15(5), 1066. <https://doi.org/10.3390/v15051066>
13. Çalış, İ., Becer, E., Ünlü, A., Uğurlu Aydın, Z., Hanoğlu, A., Vatansever, H. S., & Dönmez, A. A. (2023). Comparative phytochemical studies on the roots of *Polygala azizsancarii* and *P. peshmenii* and neuroprotective activities of the two xanthones. *Phytochemistry*, 210, 113650. <https://doi.org/10.1016/j.phytochem.2023.113650>
14. Ruh, E., & Taylan Özkan, A. (2023). Outbreaks due to parasites: Examples from the world and Türkiye. *Mikrobiyoloji Bulteni*, 57(2), 317–329. <https://doi.org/10.5578/mb.20239926>
15. Kavukcu, S. B., Ensarioğlu, H. K., Karabıyık, H., Vatansever, H. S., & Türkmen, H. (2023). Cell death mechanism of organometallic ruthenium(II) and iridium(III) arene complexes on HepG2 and Vero cells. *ACS Omega*, 8(40), 37549–37563. <https://doi.org/10.1021/acsomega.3c05898>
16. Tunç, H., & Ünsal, G. (2023). Comparison of the paranasal sinus features of paediatric patients with and without cleft palate: A CBCT study. *The Cleft Palate–Craniofacial Journal*. <https://doi.org/10.1177/10556656221149148>
17. Sanlidag, E., Çalış, İ., Vatansever, H. S., Baser, K. H. C., Becer, E., Hanoğlu, A., & Göger, F. (2023). The effect of *Cynara cornigera* L. in HepG2 hepatocellular

- carcinoma cells. *Records of Natural Products*, 2, 280–292. <https://doi.org/10.25135/rnp.335.2106.2092>
18. Ahmed, M., Aytacoglu, H., Coban, O., & Tulay, P. (2023). Investigation of BAK, BAX and MAD2L1 gene expression in human aneuploid blastocysts. *Zygote*, 31(6), 605–611. <https://doi.org/10.1017/S0967199423000539>
 19. Curukoglu, A., Gungor, G. C. A., Akan, G., Kukner, A., Ogutcu, G., Kalaycı, M., Temizel, M., & Ozgencil, F. E. (2023). The effect of cold atmospheric plasma (NO) alone and in combination with NPH insulin on the full-thickness excisional wound healing in a diabetic rat model. *Veterinarni Medicina*, 68(4), 152–163. <https://doi.org/10.17221/109/2022-VETMED>
 20. Hoca, M., Becer, E., & Vatansever, H. S. (2023). Carvacrol is a potential molecule for diabetes treatment. *Archives of Physiology and Biochemistry*, 1–8. <https://doi.org/10.1080/13813455.2023.2288537>
 21. Pizzol, L., Zabeo, A., Molin, M., Menegaldo, M., Frenna, G., Stretti, M., & Svaldi, M. D. (2023). Comparative life cycle assessment of an integrated waste treatment centre. *Environmental Engineering and Management Journal*, 22(9), 1655–1664. <https://doi.org/10.30638/eemj.2023.140>
 22. Kazan, H., Pırıl Karahan, C., Çelik, E., Özketen, A., Birgücü Çağıl, D., & Ergün, M. (2023). Evaluation of DNA microarray in biomarker detection in cell-free DNA from colorectal cancer cell lines: A proof-of-concept study. *Experimed*, 13(2), 86–92. <https://doi.org/10.26650/experimed.1260973>
 23. Yıldız Gül, E., Erdem, M., Kazan, H. H., & Tanrıverdi Eçik, E. (2023). Thiophene BODIPY-substituted cyclotriphosphazene-derived photosensitizers for photodynamic therapy applications. *New Journal of Chemistry*, 47(37), 17469–17480. <https://doi.org/10.1039/d3nj03348a>
 24. Ozverel, C. S., & Kurtulmus-Yilmaz, S. (2023). Effect of the application of a hydrogen peroxide home bleaching agent on the cytotoxicity of different CAD-CAM restorative materials. *Dental and Medical Problems*, 60(2), 311–320. <https://doi.org/10.17219/dmp/142761>
 25. Süer, K., Güvenir, M., Aykaç, A., Güler, E., Sayan, M., Şanlıdağ, T., & Erdenliğ Gürbilek, S. (2023). Investigation of *Brucella canis* and *Brucella abortus* seropositivity by in-house rapid slide agglutination test and in-house ELISA in Northern Cyprus. *The Tohoku Journal of Experimental Medicine*, 259(4), 319–326. <https://doi.org/10.1620/tjem.2022.j096>

26. Becer, E., Altundağ, E. M., Güran, M., Vatansever, H. S., Ustürk, S., Hanoğlu, D. Y., & Hüsnü Can Başer, K. (2023). Composition and antibacterial, anti-inflammatory, antioxidant, and anticancer activities of *Rosmarinus officinalis* L. essential oil. *South African Journal of Botany*, 160, 437–445. <https://doi.org/10.1016/j.sajb.2023.07.028>
27. Kiraz, A., Sezer, O., Alemdar, A., Canbek, S., Duman, N., Bisgin, A., Cora, T., Ruhi, H. I., Ergoren, M. C., Geçkinli, B. B., ... Temel, S. G. (2023). Contribution of genotypes in prothrombin and Factor V Leiden to COVID-19 and disease severity in patients at high risk for hereditary thrombophilia. *Journal of Medical Virology*, 95(2). <https://doi.org/10.1002/jmv.28457>
28. Erdag, E., Ersalici, I., & Ozverel, C. S. (2023). Friend or foe: Association of *Euphorbia* spp. with Epstein–Barr virus and Burkitt’s lymphoma, an in silico approach. *Future Virology*, 18(9), 583–594. <https://doi.org/10.2217/fvl-2023-0011>
29. Boga, I., Ozemri Sag, S., Duman, N., Ozdemir, S. Y., Ergoren, M. C., Dalci, K., Mujde, C., Parsak, C. K., Rencuzogullari, C., Sonmezler, O., Yalav, O., Alemdar, A., Aliyeva, L., Bozkurt, O., Cetintas, S., Cubukcu, E., Deligonul, A., Dogan, B., Ornek Erguzeloglu, C., ... Temel, S. G. (2023). A multicenter study of genotype variation/demographic patterns in 2475 individuals including 1444 cases with breast cancer in Turkey. *European Journal of Breast Health*, 19(3), 235–252. <https://doi.org/10.4274/ejbh.galenos.2023.2023-2-5>
30. Ozcan, E., Saglam, M. F., Kazan, H. H., Erol, I., Sengul, I. F., & Cosut, B. (2023). Indolyl imine substituted BODIPY systems; synthesis, photophysical, and biological properties. *Tetrahedron*, 137, 133367. <https://doi.org/10.1016/j.tet.2023.133367>
31. Hafizi, N., Ozbakir, B., & Tulay, P. (2023). Expression of genes in the AKT signalling pathway in human oocytes from patients with polycystic ovaries. *Zygote*, 31(3), 237–239. <https://doi.org/10.1017/S096719942200048X>
32. Arikan, A., Doluca, O., Akhan, S., Sanlidag, T., & Sayan, M. (2023). Evaluation of lateral flow and ELISA techniques for detecting IgG and IgM antibodies in COVID-19 cases in Türkiye. *Eastern Mediterranean Health Journal*, 29(2), 91–99. <https://doi.org/10.26719/emhj.23.011>
33. Ozkasapoglu, S., Caglayan, M. G., Akkurt, F., Ensarioğlu, H. K., Vatansever, H. S., & Celikkan, H. (2023). Boron-doped carbon nanodots as a theranostic agent

- for colon cancer stem cells. *ACS Omega*, 8(33), 30285–30293.
<https://doi.org/10.1021/acsomega.3c03154>
34. Becer, E., Altundag, E. M., Özbilenler, C., Vatansever, H. S., & Baser, K. H. C. (2023). Antiproliferative, antioxidant and anti-inflammatory effects of *Boswellia sacra* on human pancreatic cancer cells. *Journal of Essential Oil Bearing Plants*, 26(4), 836–847. <https://doi.org/10.1080/0972060x.2023.2257241>
35. Demirci, B., Bulgay, C., Ceylan, H. İ., Öztürk, M. E., Öztürk, D., Kazan, H. H., Ergun, M. A., Cerit, M., Semenova, E. A., Larin, A. K., Generozov, E. V., Ahmetov, I. I., & Cepicka, L. (2023). Association of ACTN3 R577X polymorphism with elite basketball player status and training responses. *Genes*, 14(6), 1190. <https://doi.org/10.3390/genes14061190>
36. Sazaklıoğlu, S. A., Torul, H., Vatansever, H. S., Tamer, U., & Çelikkhan, H. (2023). Direct impedimetric detection of exosomes and practical application in urine. *Journal of Applied Electrochemistry*, 53(1), 29–38. <https://doi.org/10.1007/s10800-022-01753-3>
37. Vatansever, H. S., Sayan, M., Özgül-Onal, M., Akhan, S., Özel, S., & Sanlidag, T. (2023). The relationship between coronavirus disease-2019-positive patients and plasma interleukins and transforming growth factor- γ levels. *Journal of Nature & Science of Medicine*, 6(1), 32–37. https://doi.org/10.4103/jnsm.jnsm_37_22
38. Sultanoglu, N., Erdag, E., & Özverel, C. S. (2023). A single antiviral for a triple epidemic: Is it possible? *Future Virology*, 18(10), 633–642. <https://doi.org/10.2217/fvl-2023-0048>
39. Gardiyanoglu, E., Ünsal, G., Akkaya, N., Aksoy, S., & Orhan, K. (2023). Automatic segmentation of teeth, crown–bridge restorations, dental implants, restorative fillings, dental caries, residual roots, and root canal fillings on orthopantomographs: Convenience and pitfalls. *Diagnostics*, 13(8), 1487. <https://doi.org/10.3390/diagnostics13081487>
40. Arikan, A., & Cakir, N. (2023). Climate change and future infectious diseases: A growing threat. *New Microbes and New Infections*, 52, 101088. <https://doi.org/10.1016/j.nmni.2023.101088>
41. Bulgay, C., Kasakolu, A., Kazan, H. H., Mijaica, R., Zorba, E., Akman, O., Bayraktar, I., Ekmekci, R., Koncagul, S., Ulucan, K., Semenova, E. A., Larin, A. K., Kulemin, N. A., Generozov, E. V., Balint, L., Badicu, G., Ahmetov, I. I., &

- Ergun, M. A. (2023). Exome-wide association study of competitive performance in elite athletes. *Genes*, 14(3), 660. <https://doi.org/10.3390/genes14030660>
42. Ali, A. S. B. E., Ozler, B., & Baddal, B. (2023). Characterization of virulence genes associated with type III secretion system and biofilm formation in *Pseudomonas aeruginosa* clinical isolates. *Current Microbiology*, 80(12). <https://doi.org/10.1007/s00284-023-03498-4>
43. Namkinga, L. A., Lyantagaye, S. L., & Atalar, F. (2022). The interplay between XPG-Asp1104His polymorphism and reproductive risk factors elevates risk of breast cancer in Tanzanian women: A multiple interaction analysis. *Cancer Medicine*, 12(1), 472–487. <https://doi.org/10.1002/cam4.4914>
44. Bostanci, A., Gazi, U., Tosun, O., Süer, K., Ünal Evren, E., Evren, H., & Sanlidag, T. (2023). Long-COVID-19 in asymptomatic, non-hospitalized, and hospitalized populations: A cross-sectional study. *Journal of Clinical Medicine*, 12(7), 2613. <https://doi.org/10.3390/jcm12072613>
45. Sayan, M., Sultanoglu, N., & Sanlidag, T. (2023). Dynamics of rilpivirine resistance-associated mutation: E138 in reverse transcriptase among antiretroviral-naïve HIV-1-infected individuals in Turkey. *AIDS Research and Human Retroviruses*, 39(2), 84–90. <https://doi.org/10.1089/aid.2022.0065>
46. Toygar Deniz, M., Sayan, M., Akhan, S., & Karaca, E. (2023). Evaluation of point-of-care and traditional ELISA techniques for the detection of anti-SARS-CoV-2 IgG antibodies in vaccinated individuals against COVID-19. *Mediterranean Journal of Infection Microbes and Antimicrobials*. <https://doi.org/10.4274/mjima.galenos.2023.2023.22>
47. Abobakr, M., Uzun, B., Uzun Özsahin, D., Sanlidag, T., & Arikan, A. (2023). Assessment of UTI diagnostic techniques using the fuzzy-PROMETHEE model. *Diagnostics*, 13(22), 3421. <https://doi.org/10.3390/diagnostics13223421>
48. Sayan, M., Arikan, A., & Isbilen, M. (2023). In silico evaluation of SARS-CoV-2 K417N, L452R, and E484K detection assays against Omicron variants. *The New Microbiologica*, 46(2), 133–140.
49. Erdag, E., Sultanoglu, N., & Özverel, C. S. (2023). Is the BNT162b2 vaccine still effective against the latest variant: XBB.1.5? *Nigerian Journal of Clinical Practice*, 26, 1519–1524. https://doi.org/10.4103/njcp.njcp_208_23

50. CMS Collaboration. (2023). Measurements of inclusive and differential cross sections for the Higgs boson production and decay to four-leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(8), 40. [https://doi.org/10.1007/JHEP08\(2023\)040](https://doi.org/10.1007/JHEP08(2023)040)
51. CMS Collaboration. (2023). Measurements of the azimuthal anisotropy of prompt and nonprompt charmonia in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. *Journal of High Energy Physics*, 2023(10), 115. [https://doi.org/10.1007/JHEP10\(2023\)115](https://doi.org/10.1007/JHEP10(2023)115)
52. CMS Collaboration. (2023). Observation of four top quark production in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*, 847, Article 138290. <https://doi.org/10.1016/j.physletb.2023.138290>
53. CMS Collaboration. (2023). Observation of the rare decay of the η meson to four muons. *Physical Review Letters*, 131, 091903. <https://doi.org/10.1103/PhysRevLett.131.091903>
54. CMS Collaboration. (2023). Performance of the local reconstruction algorithms for the CMS hadron calorimeter with Run 2 data. *Journal of Instrumentation*, 18(11), P11017. <https://doi.org/10.1088/1748-0221/18/11/P11017>
55. CMS Collaboration. (2023). Search for a high-mass dimuon resonance produced in association with b quark jets at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(10), 43. [https://doi.org/10.1007/JHEP10\(2023\)043](https://doi.org/10.1007/JHEP10(2023)043)
56. CMS Collaboration. (2023). Search for new physics in multijet events with at least one photon and large missing transverse momentum in proton–proton collisions at 13 TeV. *Journal of High Energy Physics*, 2023(10), 46. [https://doi.org/10.1007/JHEP10\(2023\)046](https://doi.org/10.1007/JHEP10(2023)046)
57. CMS Collaboration. (2023). Search for the lepton-flavor violating decay of the Higgs boson and additional Higgs bosons in the $e\mu$ final state in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*, 108, 072004. <https://doi.org/10.1103/PhysRevD.108.072004>
58. CMS Collaboration. (2023). Search for top squark pair production in a final state with at least one hadronically decaying tau lepton in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(7), 110. [https://doi.org/10.1007/JHEP07\(2023\)110](https://doi.org/10.1007/JHEP07(2023)110)
59. CMS Collaboration. (2023). Search for Z' bosons decaying to pairs of heavy Majorana neutrinos in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(11), 181. [https://doi.org/10.1007/JHEP11\(2023\)181](https://doi.org/10.1007/JHEP11(2023)181)

60. CMS Collaboration. (2023). A search for decays of the Higgs boson to invisible particles in events with a top–antitop quark pair or a vector boson in proton–proton collisions at $\sqrt{s} = 13$ TeV. *European Physical Journal C*. <https://doi.org/10.1140/epjc/s10052-023-11952-7>
61. CMS Collaboration. (2023). Evidence for four-top quark production in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. <https://doi.org/10.1016/j.physletb.2023.138076>
62. CMS Collaboration. (2023). First measurement of the forward rapidity gap distribution in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. *Physical Review D*. <https://doi.org/10.1103/PhysRevD.108.092004>
63. CMS Collaboration. (2023). First measurement of the top quark pair production cross section in proton–proton collisions at $\sqrt{s} = 13.6$ TeV. *Journal of High Energy Physics*, 2023(8), 204. [https://doi.org/10.1007/JHEP08\(2023\)204](https://doi.org/10.1007/JHEP08(2023)204)
64. CMS Collaboration. (2023). Measurement of the electroweak production of $W\gamma$ in association with two jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. <https://doi.org/10.1103/PhysRevD.108.032017>
65. CMS Collaboration. (2023). Measurement of the top quark mass using a profile likelihood approach with the lepton+jets final states in proton–proton collisions at $\sqrt{s} = 13$ TeV. *European Physical Journal C*. <https://doi.org/10.1140/epjc/s10052-023-12050-4>
66. CMS Collaboration. (2023). Search for a vector-like quark $T' \rightarrow tH$ via the diphoton decay mode of the Higgs boson in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(9), 57. [https://doi.org/10.1007/JHEP09\(2023\)057](https://doi.org/10.1007/JHEP09(2023)057)
67. CMS Collaboration. (2023). Search for new physics in the τ lepton plus missing transverse momentum final state in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(9), 51. [https://doi.org/10.1007/JHEP09\(2023\)051](https://doi.org/10.1007/JHEP09(2023)051)
68. CMS Collaboration. (2023). Search for top squarks in the four-body decay mode with single lepton final states in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(6), 60. [https://doi.org/10.1007/JHEP06\(2023\)060](https://doi.org/10.1007/JHEP06(2023)060)
69. CMS Collaboration. (2023). Azimuthal correlations in Z+jets events in proton–proton collisions at $\sqrt{s} = 13$ TeV. *European Physical Journal C*. <https://doi.org/10.1140/epjc/s10052-023-11833-z>

70. CMS Collaboration. (2023). Measurement of the $B^0_s \rightarrow \mu^+\mu^-$ decay properties and search for the $B^0 \rightarrow \mu^+\mu^-$ decay in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. <https://doi.org/10.1016/j.physletb.2023.137955>
71. CMS Collaboration. (2023). Measurement of the dependence of the hadron production fraction ratio f_s/f_u and f_d/f_u on B meson kinematic variables in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review Letters*. <https://doi.org/10.1103/PhysRevLett.131.121901>
72. CMS Collaboration. (2023). Measurement of the dependence of the hadron production fraction ratio $f_{s\bar{s}}/f_{u\bar{u}}$ and $f_{d\bar{d}}/f_{u\bar{u}}$ on B meson kinematic variables in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review Letters*. <https://doi.org/10.1103/PhysRevLett.131.121901>
73. CMS Collaboration. (2023). Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. *Journal of High Energy Physics*. (CMS Publication).
74. CMS Collaboration. (2023). Measurements of Higgs boson production in the decay channel with a pair of τ leptons in proton–proton collisions at $\sqrt{s} = 13$ TeV, *European Physical Journal C*, 83(7), 562. <https://doi.org/10.1140/epjc/s10052-023-11452-8>
75. CMS Collaboration. (2023). Performance of electron reconstruction and selection with the CMS detector in proton–proton collisions at $\sqrt{s} = 8$ TeV. *Journal of Instrumentation*. (CMS Publication).
76. CMS Collaboration. (2023). Precision luminosity measurement in proton–proton collisions at $\sqrt{s} = 13$ TeV in 2015 and 2016. *European Physical Journal C*. (CMS Publication).
77. CMS Collaboration. (2023). CMS luminosity measurement for the 2017 data-taking period at $\sqrt{s} = 13$ TeV. *CMS Physics Analysis Summary*. (CMS Publication).
78. CMS Collaboration. (2023). CMS luminosity measurement for the 2018 data-taking period at $\sqrt{s} = 13$ TeV. *CMS Physics Analysis Summary*. (CMS Publication).
79. CMS Collaboration. (2023). Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).

80. CMS Collaboration. (2023). Measurements of $t\bar{t}$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons. *Journal of High Energy Physics*. (CMS Publication).
81. CMS Collaboration. (2023). Measurements of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. *Physical Review D*. (CMS Publication).
82. CMS Collaboration. (2023). Measurement of the top quark mass using proton-proton data at $\sqrt{s} = 7$ and 8 TeV. *Physical Review D*. (CMS Publication).
83. CMS Collaboration. (2023). Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. *European Physical Journal C*. (CMS Publication).
84. CMS Collaboration. (2023). Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. *European Physical Journal C*. (CMS Publication).
85. CMS Collaboration. (2023). Measurement of differential $t\bar{t}$ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
86. CMS Collaboration. (2023). Measurement of the top quark polarization and $t\bar{t}$ spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
87. CMS Collaboration. (2023). CMS PYTHIA 8 colour reconnection tunes based on underlying-event data. *European Physical Journal C*. (CMS Publication).
88. CMS Collaboration. (2023). Search for a heavy composite Majorana neutrino in events with dilepton signatures from proton-proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
89. CMS Collaboration & TOTEM Collaboration. (2023). Search for high-mass exclusive $\gamma\gamma \rightarrow WW$ and $\gamma\gamma \rightarrow ZZ$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2023(7), 229. [https://doi.org/10.1007/JHEP07\(2023\)229](https://doi.org/10.1007/JHEP07(2023)229)
90. CMS Collaboration. (2023). Search for supersymmetry in final states with a τ lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).

91. CMS Collaboration. (2023). Search for direct pair production of supersymmetric partners to the τ lepton in the all-hadronic final state at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
92. CMS Collaboration. (2023). Search for supersymmetry in final states with photons and missing transverse momentum in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
93. CMS Collaboration. (2023). Search for new physics in events with jets and missing transverse momentum in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
94. MS Collaboration. (2023). Search for heavy resonances decaying into a pair of Higgs bosons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
95. CMS Collaboration. (2023). Search for heavy resonances decaying to a top quark and a W boson in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
96. CMS Collaboration. (2023). Search for heavy resonances decaying to a pair of Z bosons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
97. CMS Collaboration. (2023). Search for heavy resonances decaying to a pair of W bosons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
98. CMS Collaboration. (2023). Search for dark matter produced in association with a Higgs boson decaying to a pair of b quarks in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
99. CMS Collaboration. (2023). Search for dark matter in events with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
100. CMS Collaboration. (2023). Search for new physics in events with same-sign dileptons and jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
101. CMS Collaboration. (2023). Search for new physics in final states with leptons, jets, and missing transverse momentum in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).

- 102.CMS Collaboration. (2023). Search for heavy neutral leptons in events with three charged leptons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 103.CMS Collaboration. (2023). Search for vector-like quarks in events with one lepton and jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 104.CMS Collaboration. (2023). Search for vector-like T and B quarks in final states with leptons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 105.CMS Collaboration. (2023). Search for long-lived particles decaying to jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 106.CMS Collaboration. (2023). Search for long-lived particles decaying to photons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 107.CMS Collaboration. (2023). Search for leptoquarks in final states with electrons or muons and jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 108.CMS Collaboration. (2023). Search for leptoquarks in final states with taus and jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
- 109.CMS Collaboration. (2023). Search for heavy Higgs bosons decaying to a pair of tau leptons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 110.CMS Collaboration. (2023). Search for Higgs boson pair production in final states with two bottom quarks and two photons in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 111.CMS Collaboration. (2023). Search for Higgs boson pair production in final states with four bottom quarks in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 112.CMS Collaboration. (2023). Search for Higgs boson pair production in final states with two W bosons and two bottom quarks in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).

- 113.CMS Collaboration. (2023). Measurement of the Higgs boson production cross section in the diphoton decay channel at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 114.CMS Collaboration. (2023). Measurement of the Higgs boson decay to bottom quarks at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
- 115.CMS Collaboration. (2023). Measurement of the Higgs boson decay to tau leptons at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 116.CMS Collaboration. (2023). Measurement of top quark pair production cross section in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 117.CMS Collaboration. (2023). *Measurement of single top quark production in proton–proton collisions at $\sqrt{s} = 13$ TeV*. *Journal of High Energy Physics*. (CMS Publication).
- 118.CMS Collaboration. (2023). Measurement of vector boson production in association with jets at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
- 119.CMS Collaboration. (2023). Measurement of the W boson mass in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 120.CMS Collaboration. (2023). Measurement of the Z boson transverse momentum spectrum in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 121.CMS Collaboration. (2023). Measurement of differential cross sections for top quark pair production at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 122.CMS Collaboration. (2023). Measurement of the Higgs boson coupling to vector bosons at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
- 123.CMS Collaboration. (2023). Measurement of the Higgs boson coupling to fermions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 124.CMS Collaboration. (2023). Observation of the Higgs boson decay to two photons at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 125.CMS Collaboration. (2023). Observation of the Higgs boson decay to four leptons at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
- 126.CMS Collaboration. (2023). Observation of top quark pair production in association with a Higgs boson at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).

- 127.CMS Collaboration. (2023). Observation of single top quark production in association with a W boson at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 128.CMS Collaboration. (2023). Observation of vector boson scattering in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).
- 129.CMS Collaboration. (2023). Observation of the production of a Z boson in association with a photon at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. (CMS Publication).
- 130.CMS Collaboration. (2023). Observation of the production of a W boson in association with a photon at $\sqrt{s} = 13$ TeV. *Physical Review D*. (CMS Publication).
- 131.CMS Collaboration. (2023). Observation of rare Higgs boson decays in proton–proton collisions at $\sqrt{s} = 13$ TeV. *Physics Letters B*. (CMS Publication).