

- Islam N., Krishnan H.B., and Natarajan S., 2022, Quantitative proteomic analyses reveal the dynamics of protein and amino acid accumulation during soybean seed development, *PROTEOMICS*, 22(7): 2100143.
<https://doi.org/10.1002/pmic.202100143>
- Jin H., Yang X., Zhao H., Song X., Tsvetkov Y., Wu Y., Gao Q., Zhang R., and Zhang J., 2023, Genetic analysis of protein content and oil content in soybean by genome-wide association study, *Frontiers in Plant Science*, 14: 1182771.
<https://doi.org/10.3389/fpls.2023.1182771>
- Jo L., Pelletier J., Goldberg R.B., and Harada J.J., 2024, Genome-wide profiling of soybean WRINKLED1 transcription factor binding sites provides insight into seed storage lipid biosynthesis, *Proceedings of the National Academy of Sciences of the United States of America*, 121(45): e2415224121.
<https://doi.org/10.1073/pnas.2415224121>
- Kakati J., Fallen B., Armstrong P.R., Yan S., Bridges W.C., and Narayanan S., 2024, High-protein soybean lines with stable seed protein content under heat and drought stresses, *Journal of Agriculture and Food Research*, 18: 101469.
<https://doi.org/10.1016/j.jafr.2024.101469>
- Kambhampati S., Aznar-Moreno J., Bailey S.R., Arp J.J., Chu K.L., Bilyeu K., Durrett T., and Allen D.K., 2021, Temporal changes in metabolism late in seed development affect biomass composition, *Plant Physiology*, 186(2): 874-890.
<https://doi.org/10.1093/plphys/kiab116>
- Khatri D., Magar L., Poudel S., Kc S., Gebremedhin M., Lucas S., and Chiluwal A., 2026, Biochar and late-season nitrogen fertilization effects on soybean yield and seed quality, *Journal of Agriculture and Food Research*, 2026: 102941.
<https://doi.org/10.1016/j.jafr.2026.102941>
- Kim H., Chae J., Han S., Kim J.H., Chung Y.S., Karthik S., and Heo J.B., 2026, AI-guided DNA-free and genotype-independent genome editing for soybean improvement, *Plants*, 15(13): 2080.
<https://doi.org/10.3390/plants15132080>
- Kumar R., Mulkey S., Shelake R.M., Combs-Giroir R., Mukherjee T., Allen D.K., Clemente T., Stacey M., Lorenz A.J., and Stupar R.M., 2025, Targets and strategies to design soybean seed composition traits, *The Plant Genome*, 18(4): e70115.
<https://doi.org/10.1002/tpg2.70115>
- Kumar V., Vats S., Kumawat S., Bisht A., Bhatt V.D., Shivaraj S.M., Padalkar G., Goyal V., Zargar S., Gupta S., Kumawat G., Chandra S., Chalam V.C., Ratnaparkhe M., Gill B., Jean M., Patil G., Vuong T., Rajcan I., Sonah H., and collaborators, 2021, Omics advances and integrative approaches for the simultaneous improvement of seed oil and protein content in soybean (*Glycine max* L.), *Critical Reviews in Plant Sciences*, 40(5): 398-421.
<https://doi.org/10.1080/07352689.2021.1954778>
- Lu L., Wei W., Li Q.T., Bian X., Lu X., Hu Y., Cheng T., Wang Z., Jin M., Tao J.J., Yin C., He S.J., Man W., Li W., Lai Y.C., Zhang W.K., Chen S., and Zhang J., 2021, A transcriptional regulatory module controls lipid accumulation in soybean, *New Phytologist*, 231(2): 661-678.
<https://doi.org/10.1111/nph.17401>
- Messina M., 2022, Perspective: Soybeans can help address the caloric and protein needs of a growing global population, *Frontiers in Nutrition*, 9: 909464.
<https://doi.org/10.3389/fnut.2022.909464>
- Miller M.J., Song Q., and Li Z., 2023, Genomic selection of soybean (*Glycine max*) for genetic improvement of yield and seed composition in a breeding context, *The Plant Genome*, 16(4): e20384.
<https://doi.org/10.1002/tpg2.20384>
- Mo W., Wang P., Shi Q., Zhao X., Zheng X., Ji L., Zhang L., Geng M., Wang Y., Wang R., Bian M., Meng X., Zuo Z., and Yang Z., 2024, Uncovering key genes associated with protein and oil in soybeans based on transcriptomics and proteomics, *Industrial Crops and Products*, 222: 119981.
<https://doi.org/10.1016/j.indcrop.2024.119981>
- Montanha G., Mendes N.A.C., Perez L.C., Cunha M.L.O., Santos E., Pérez C.A., De Almeida E.L., Marques J.P.R., Umburanas R.C., Linhares F.S., Reis A.R.D., Sabatini S., and De Carvalho H.D., 2023, Unfolding the dynamics of mineral nutrients and major storage protein fractions during soybean seed development, *ACS Agricultural Science and Technology*, 3(8): 666-674.
<https://doi.org/10.1021/acsagscitech.3c00125>
- Nawaz M.A., Chung G., Pamirsky I.E., and Golokhvast K., 2026, Breeding climate-resilient soybeans for 2050 and beyond: Leveraging novel technologies to mitigate yield stagnation and climate change impacts, *Plants*, 15(8): 1201.
<https://doi.org/10.3390/plants15081201>
- Niu Y., Wang W., Wang X., Li H., Jin Y., Qi B., Zhao H., Huang Z., Yan F., Fan S., Zhang G., Mock H.P., Li J., Zhao Q., Huang Y., and Zhang F., 2026, Transcriptomic signatures of developing soybean seeds reveal the molecular mechanisms of oil accumulation during domestication, *Plant Biology*, 28(4): 1062-1076.
<https://doi.org/10.1111/plb.70194>
- Niu Y., Wu J., Li H., Wang H., Zhao H., Huang Z., Yan F., and Zhang G., 2025, Construction of regulatory networks related to oil and protein accumulation in developing soybean seeds, *Plant Growth Regulation*, 105(5): 1605-1621.
<https://doi.org/10.1007/s10725-025-01356-w>
- Patel J., Patel S., Cook L., Fallen B.D., and Koebernick J., 2025, Soybean genome-wide association study of seed weight, protein, and oil content in the southeastern USA, *Molecular Genetics and Genomics*, 300(1): 43.
<https://doi.org/10.1007/s00438-025-02228-8>