Lp	Opis bibliograficzny
2022	
Papers from journals	
1	**Heidorn-Czarna M., Maziak A., Jańska H.:** Protein processing in plant mitochondria compared to yeast and mammals., Frontiers in Plant Science, vol. 13, 2022, Article number: 824080, pp. 1-20, DOI:10.3389/fpls.2022.824080
2	Szajko K., Sołtys-Kalina D., **Heidorn-Czarna M.,** Smyda-Dajmund P., Wasilewicz-Flis I., **Jańska H.,** Marczewski W.: Transcriptomic and proteomic data provide new insights into cold-treated potato tubers with T- and D-type cytoplasm., Planta, vol. 255, no. 5, 2022, Article number: 97, pp. 1-12, DOI:10.1007/s00425-022-03879-2
Chapters from monograph	
1	**Kwaśniak-Owczarek M., Tomal A., Jańska H.:** Assessment of protein synthesis in isolated from rosette leaves and liquid culture seedlings of Arabidopsis., In: Plant mitochondria : methods and protocols. / Van Aken Olivier, Rasmusson Allan G. (eds.), Methods in Molecular Biology, no. 2363, 2022, Humana Press, ISBN 978-1-0716-1653-6, pp. 183-197, DOI:10.1007/978-1-0716-1653-6_14
2021	
Papers from journals	
1	**Heidorn-Czarna M.,** Heidorn H., Fernando S., Sanislav O., Jarmuszkiewicz W., Mutzel R., Fisher P.: Chronic activation of AMPK induces mitochondrial biogenesis through differential phosphorylation and abundance of mitochondrial proteins in Dictyostelium discoideum., International Journal of Molecular Sciences, vol. 22, no. 21, 2021, pp. 1-26, DOI:10.3390 /ijms222111675
2	**Maziak A., Heidorn-Czarna M., Weremczuk A., Jańska H.:** FTSH4 and OMA1 mitochondrial proteases reduce moderate heat stress-induced protein aggregation., Plant Physiology, vol. 187, no. 2, 2021, pp. 769-786, DOI:10.1093 /plphys/kiab296
2020	
Papers from journals	
1	Adamowicz-Skrzypkowska A., **Kwaśniak-Owczarek M.,** Olivier V., **Kaźmierczak U., Jańska H.:** Joint inhibition of mitochondrial complex IV and alternative oxidase by genetic or chemical means represses chloroplast transcription in Arabidopsis., Philosophical Transactions of the Royal Society B-Biological Sciences, vol. 375, no. 1801, 2020, pp. 1-12, DOI:10.1098/rstb.2019.0409
2019	
Papers from journals	
1	**Kaźmierczak U., Kwaśniak-Owczarek M.:** Profilowanie rybosomów jako innowacyjne narzędzie do badania procesu syntezy białek., Postępy Biochemii, vol. 65, no. 1, 2019, pp. 41-51, DOI:10.18388/pb.2019_255
2	**Kwaśniak-Owczarek M., Kaźmierczak U., Tomal A., Mackiewicz P., Jańska H.:** Deficiency of mitoribosomal S10 protein affects translation and splicing in *Arabidopsis* mitochondria., Nucleic Acids Research, Oxford University Press, vol. 47, no. 22, 2019, 11790–11806, DOI:10.1093/nar/gkz1069
3	**Tomal A., Kwaśniak-Owczarek M., Jańska H.:** An update on mitochondrial ribosome biology: the plant mitoribosome in the spotlight., Cells, Multidisciplinary Digital Publishing Institute (MDPI), vol. 8, no. 12, 2019, pp. 1-15, DOI:10.3390 /cells8121562
2018	
Papers from journals	
1	**Dołzbłasz A., Gola E., Sokołowska K.,** Smakowska E., Twardawska A., **Jańska H.:** Impairment of meristem proliferation in plants lacking the mitochondrial protease AtFTSH4., International Journal of Molecular Sciences, vol. 19, no. 3, 2018, pp. 1-14, DOI:10.3390/ijms19030853
2	**Heidorn-Czarna M.,** Domański D., **Kwaśniak-Owczarek M., Jańska H.:** Targeted proteomics approach toward understanding the role of the mitochondrial protease FTSH4 in the biogenesis of OXPHOS during Arabidopsis seed germination., Frontiers in Plant Science, vol. 9, 2018, pp. 1-22, DOI:10.3389/fpls.2018.00821
3	**Kołodziejczak M.,** Skibior-Błaszczyk R., **Jańska H.:** m-AAA complexes are not crucial for the survival of Arabidopsis under optimal growth conditions despite their importance for mitochondrial translation., Plant and Cell Physiology, vol. 59, no. 5, 2018, pp. 1006-1016, DOI:10.1093/pcp/pcy041
4	**Opalińska M., Jańska H.:** AAA proteases: guardians of mitochondrial function and homeostasis., Cells, Multidisciplinary Digital Publishing Institute (MDPI), vol. 7, no. 10, 2018, Article number: 163, pp. 1-15, DOI:10.3390 /cells7100163

5	**Opalińska M.,** Parys K., Marucha M., **Jańska H.:** The plant i-AAA protease controls the turnover of an essential mitochondrial protein import component., Journal of Cell Science, vol. 131, no. 2, 2018, pp. 1-6, DOI:10.1242/jcs.200733
2017	
Papers from journals	
1	**Migdał I.,** Skibior-Błaszczyk R., **Heidorn-Czarna M., Kołodziejczak M., Garbiec A., Jańska H.:** AtOMA1 affects the OXPHOS system and plant growth in contrast to other newly identified ATP-independent proteases in Arabidopsis mitochondria., Frontiers in Plant Science, vol. 8, 2017, art. 1543, 1-16, DOI:10.3389/fpls.2017.01543
2	**Opalińska M.,** Parys K., **Jańska H.:** Identification of physiological substrates and binding partners of the plant mitochondrial protease FTSH4 by the trapping approach., International Journal of Molecular Sciences, vol. 18, no. 11, 2017, Article number: 2455, pp. 1-11, DOI:10.3390/ijms18112455