

C4F – Peer-Reviewed Publications 2020

- Berenguer E, **Minina AE**, Carneros E, Barany J, **Bozhkov PV**, and Testillano PS. 2020. Suppression of Metacaspase- and Autophagy-Dependent Cell Death Improves Stress-Induced Microspore Embryogenesis in *Brassica napus*. *Plant and Cell Physiology* <https://doi.org/10.1093/pcp/pcaa128>
- Berndtsson E, **Andersson R**, **Johansson E**, **Olsson ME**. Side Streams of Broccoli Leaves: A Climate Smart and Healthy Food Ingredient. *Int J Environ Res Public Health*. 2020 Apr 1;17(7):2406. doi: 10.3390/ijerph17072406.
- Capezza AJ**, Cui Y, Numata K, Lundman M, **Newson WR**, Olsson RT, **Johansson E**, Hedenqvist MS (2020) High capacity functionalized protein superabsorbents from an agricultural co-product: a cradle-to-cradle approach. *Adv Sust Syst* 4:2000110 (13).
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- Capezza AJ**, Robert E, Lundman M, **Newson WR**, **Johansson E**, Hedenqvist MS, Olsson RT (2020) Extrusion of porous protein-based polymers and their liquid absorption characteristics. *Polymers* 12:459.
- Capezza A**, **Newson W**, Olsson R, Hedenqvist M, **Johansson E** (2020) Method of preparing plant protein based absorbent material and absorbent material thus produced. *WO 2020/251467 A1*.
- Carlsson M. L. R.**, **Kanagarajan S.**, Bülow L., and **Zhu L.-H.** 2020. Plant based production of myoglobin - a novel source of the muscle heme-protein. *Sci. Rep.* (accepted). doi: 10.1038/s41598-020-57565-y
- Carlsson M. L. R.**, Kristiansson A., Bergwik J, **Kanagarajan S.**, Bülow L., Åkerström B. and **Zhu L.-H.** 2020. Expression, purification and initial characterization of functional $\alpha 1$ -microglobulin (A1M) in *Nicotiana benthamiana*. *Frontiers in Plant Sci.* vol.11, 593773. doi: 10.3389/fpls.2020.593773
- Ceresino, E.B., **Johansson, E.**, Sato H.H., Plivelic, T.S., Hall A. S., **R. Kuktaite**, 2020. Morphological and structural heterogeneity of solid gliadin food foams modified with transglutaminase and food grade dispersants. *Food Hydrocolloids*, 108, 105995.
- Ceresino EB, **Kuktaite R**, Hedenqvist MS, Sato HH, **Johansson E** (2020) Processing conditions and transglutaminase sources to “drive” the wheat gluten dough quality. *Innovative Food Sci Emerging Technol* 65:102439.
- Das O, Kim NK, Hedenqvist MS, Bhattacharyya D, **Johansson E**, Xu Q, Holder S (2020) Naturally- occurring bromophenol to develop fire retardant gluten biopolymers. *J Cleaner Prod* 243:118552
- Dauphinee D, Olsson JA, and **Minina EA**. 2020. Tandem Tag Assay Optimized for Semi-automated in vivo Autophagic Activity Measurement in *Arabidopsis thaliana* roots. *Bio-protocol*. DOI: 10.21769/BioProtoc.3535
- Fei M, **Jin Y**, Jin L, Su J, Ruan Y, Wang F, Liu C, **Sun C***. 2020. Adaptation of rice to the nordic climate yields potential for rice cultivation at most northerly site and the organic production of low-arsenic and high- protein rice. *Front Plant Sci.* 30;11:329.
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- Kim S-Y., Bengtsson T., Olsson N., Hot V., **Zhu L.- H.** and Åhman I. 2020. Mutations in two aphid-regulated b-1,3-glucanase genes by CRISPR/Cas9 do not increase barley resistance to *Rhopalosiphum padi* L. *Frontiers in Plant Science*. Vol.11, 1043. doi: 10.3389/fpls.2020.01043
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- Meng J, Lv Z, Zhang Y, Wang Y, Qiao X, **Sun C**, Chen Y, Guo M, Han W, Ye A, Xie T, Chu B, Shi C, Yang S, Chen C. 2020. Precision Redox: The Key for Antioxidant Pharmacology. *Antioxid Redox Signal*. doi: 10.1089/ars.2020.8212. Epub ahead of print.
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