1. Skrzypski, M., Kakkassery, M., Mergler, S., Grötzinger, C., Khajavi, N., Sassek, M., Szczepankiewicz, D., Wiedenmann, B., Nowak, KW., Strowski, MZ. **(2013)** Activation of TRPV4 channel in pancreatic INS-1E beta cells enhances glucose-stimulated insulin secretion via calcium-dependent mechanisms. *FEBS Letters* 1;587(19) :3281-7. IF 3.582 ( 5 letni 3.478) 30 pkt.
2. Vater, A., Sell, S., Kaczmarek, P., Maasch, C., Buchner, K., Pruszynska-Oszmalek, E., Kolodziejski, P., Purschke, WG., Nowak, KW., Strowski, MZ., Klussmann, S. **(2013)** A mixed mirror-image DNA/RNA aptamer inhibits glucagon and acutely improves glucose tolerance in models of type 1 and type 2 diabetes*. The journal of biological chemistry* 19;288(29) :21136-47. IF 4.651 35 pkt.
3. Pruszynska-Oszmalek, E., Szczepankiewicz, D., Hertig, I., Skrzypsk,i M., Sassek, M., Kaczmarek, P., Kolodziejski, PA., Mackowiak, P., Nowak KW., Strowski,MZ., Wojciechowicz T. **(2013)** Obestatin inhibits lipogenesis and glucose uptake in isolated primary rat adipocytes. *Journal of Biological Regulators and Homeostatic Agents* 27(1):23-33. If 5.18 (5 letni 3.33)
4. Arafat, AM., Kaczmarek, P., Skrzypski, M., Pruszyńska-Oszmalek, E., Kołodziejski, P., Szczepankiewicz, D., Sassek, M., Wojciechowicz, T., Wiedenmann, B., Pfeiffer, AF., Nowak, KW., Strowski, MZ. **(2013)** Glucagon increases circulating fibroblast growth factor 21 independently of endogenous insulin levels: a novel mechanism of glucagon-stimulated lipolysis? *Diabetologia* 56(3):588-97. ( IF.5.18) 40 pkt
5. Cowieson, AJ., Ptak, A., Mackowiak, P., Sassek, M., Pruszynska-Oszmalek, E., Zyla, K., Swiatkiewicz, S., Kaczmarek, S., Józefiak, D. **(2013)** The effect of microbial phytase and myo-inositol on performance and blood biochemistry of broiler chickens fed wheat/corn-based diets. *Poultry Science*. 92(8):2124-34. (IF 1.516) 40pkt
6. Szkudelski, T., Zywert, A., Szkudelska, K. **(2013)** Metabolic disturbances and defects in insulin secretion in rats with streptozotocin-nicotinamide-induced diabetes. *Physiological Research* 62:663-670 (IF 1.531) 20pkt
7. Okulicz, M., Hertig, I. **(2013)** Benzyl isothiocyanate disturbs lipid metabolism in rats in a way independent of its thyroid impact following in vivo long-term treatment and in vitro adipocytes studies. *Journal of Physiology and Biochemistry* 69 :75-84. (IF 1.654) 20pkt
8. Sassek, M., Pruszynska-Oszmalek, E., Nowacka-Woszuk, J., Szczerbal, I., Szczepankiewicz, D., Kaczmarek, P., Kolodziejski, PA., Switonski, M., Mackowiak, P. **(2013)** Resistin from gene expression to development of diabetes. *Journal of Biological Regulators and Homeostatic* *Agents*. 2013 27(3):647-654. 2.825 (IF'2011=5,183; 5-years IF'2011=3,331).
9. Wasielewski, O., Wojciechowicz, T., Giejdasz, K., Krishnan, N. **(2013)** Overwintering strategies in the red mason solitary bee—physiological correlates of midgut metabolic activity and turnover of nutrient reserves in females of Osmia bicornis. *Apidologie* 44:642–656 ( IF 2.155) 40pkt
10. W. Nowak, R. Mikuła, E. Pruszyńska-Oszmałek, P. Maćkowiak, B. Stefańska, M. Kasprowicz-Potocka, A. Frankiewicz, K. *Drzazga* ***Dietary energy density in the dry period on the metabolic status of lactating cow, s*** *Polish Journal of Veterinary Sciences Vol. 16, No. 4 (2013), 715–722* **20 pkt. wg wykazu Ministra NiSzW**
11. J. Bajerska, S. Mildner-Szkudlarz, E. Pruszynska-Oszmalek ***May rye bread enriched with green tea extract be useful in the prevention of obesity in rats?*** *Acta Alimentaria (Acta Aliment Hung)(Impact Factor: 0.48). 03/2013; 42(1):69-78.* **15 pkt. wg wykazu Ministra NiSzW**
12. Bajerska, J ; Mildner-Szkudlarz, S ; Podgorski, Oszmalek-Pruszynska, E***(Saffron (Crocus sativus L.) Powder as an Ingredient of Rye Bread: An Anti-Diabetic Evaluation*** *Journal of Medicinal Food (Impact Factor: 1.64). 08/2013; DOI:10.1089/jmf.2012.0168* **25 pkt. wg wykazu Ministra NiSzW**