

1. **Aleksandrowicz M, Kozniewska E:** Hyponatremia as a risk factor for microvascular spasm following subarachnoid hemorrhage. *Exp Neurol* 2022; 355:114-126. doi:10.1016/j.expneurol.2022.114126. IF_{roczny}=5.620; IF_{5y}=5.631; Q2; 140 pkt;
2. **Andrzejewski K, Jampolska M,** Mojzych I; Conde S.V, **Kaczyńska K:** Hypoxic and hypercapnic responses in transgenic murine model of Alzheimer's disease overexpressing human AβPP: the effects of pretreatment with memantine and rivastigmine. *Int J Mol Sci* 2022;23: 6004. doi.org/10.3390/ijms23116004 IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;
3. Araszkiwicz AM, Oliveira EP, Svendsen T, Drela K, **Rogujski P,** Malysz-Cymborska I, Fiedorowicz M, Reis RL, Oliveira JM, Walczak P, Janowski M, **Lukomska B, Stanaszek L:** Manganese-labeled alginate hydrogels for image-guided cell transplantation. *Int J Mol Sci* 2022;23(5):2465. doi:10.3390/ijms23052465. IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;
4. **Audzeyenka I,** Bierzyńska A, Lay AC: Podocyte bioenergetics in the development of diabetic nephropathy: the role of mitochondria. *Endocrinology* 2022;163(1):bqab234. doi:10.1210/endo/bqab234. IF_{roczny}=5.051; IF_{5y}=5.074; Q2; 200 pkt;
5. **Audzeyenka I, Rachubik P, Typiak M, Kulesza T,** Kalkowska D, **Rogacka D,** Rychłowski M, Angielski S, Saleem M, **Piwkowska A:** PTEN-induced kinase 1 deficiency alters albumin permeability and insulin signaling in podocytes. *J Mol Med (Berl)* 2022; 100(6):903-915. doi:10.1007/s00109-022-02204-4. IF_{roczny}=5.606; IF_{5y}=6.427; Q1; 140 pkt;
6. **Augustyniak J,** Lipka G, **Kozłowska H,** Caloni F, **Buzanska L:** Oxygen as an important factor modulating in vitro MeHgCl toxicity associated with mitochondrial genes in hiPSCs. doi:10.1016/j.ecoenv.2022.113737. *Ecotoxicol Environ Saf* 2022;241:113737. IF_{roczny}=7.129; IF_{5y}=7.284; Q1; 100 pkt;
7. Azizidoost S, Nasrolahi A, Ghaedrahmati F, Kempisty B, Mozdziak P.E, **Radoszkiewicz K,** Farzaneh M: The pathogenic roles of lncRNA-Taurine upregulated 1 (TUG1) in colorectal cancer. *Cancer Cell Int* 2022; 22(1):335. doi:10.1186/s12935-022-02745-1. IF_{roczny}=6.435; IF_{5y}=5.999; Q2; 100 pkt;
8. **Babiec L, Wilkaniec A, Adamczyk A:** Prenatal exposure to valproic acid induces alterations in the expression and activity of purinergic receptors in the embryonic rat brain. doi.org/10.5114/fn.2022.123999. *Folia Neuropathol* 2022; 60:4. IF_{roczny}=2.494; IF_{5y}=1.802; Q4; 70 pkt;
9. Badura-Stronka M, Śmigiel R, Rutkowska K, **Szymańska K,** Hirschfeld AS, Monkiewicz M, Kosińska J, Wolańska E, Rydzanicz M, Latos-Bieleńska A, Płoski R: FINCA syndrome-defining neurobehavioral phenotype in survivors into late childhood. *Mol Genet Genomic Med* 2022;10(4):e1899. doi:10.1002/mgg3.1899. IF_{roczny}=2.473; IF_{5y}=2.561; Q3; 70 pkt;
10. **Bajor M, Graczyk-Jarzyńska A,** Marhelava K, Burdzinska, A, Muchowicz A, Goral A, Zhyloko A, Soroczynska K, Retecki K, **Krawczyk M, Kłopotowska M,** Pilch Z, Paczek L, Malmberg K J, Wälchli S, **Winiarska M,** Zagózdzon R: PD-L1 CAR effector cells induce self-amplifying cytotoxic effects against target cells. *J Immunoth Cancer* 2022 10(1), e002500. doi.org/10.1136/jitc-2021-002500. IF_{roczny}=12.485; IF_{5y}=13.892; Q1; 140 pkt;
11. **Baranowska I, Gawrys O, Walkowska A, Olszynski KH,** Červenka L, Falck JR, Adebessin AM, Imig JD, Kompanowska-Jeziarska E: Epoxyeicosatrienoic acid analog and 20-HETE antagonist combination prevent hypertension development in spontaneously hypertensive rats. *Front Pharmacol* 2022;12:798642. doi:10.3389/fphar.2021.798642. IF_{roczny}=5.988; IF_{5y}=6.455; Q1; 100 pkt;
12. **Berdyński M,** Ludwiczak J, **Barczak A,** Barcikowska-Kotowicz M, Kuźma-Kozakiewicz M, Dunin-Horkawicz S, **Żekanowski C, Borzemska B:** TREM2 gene compound heterozygosity in neurodegenerative disorders. *J Alzheimers Dis* 2022;89(4):1211-1219. doi:10.3233/JAD-220210. IF_{roczny}= 4.160; IF_{5y}= 5.279; Q2; 100 pkt ;
13. **Berdyński M,** Miszta P, Safranow K, Andersen PM, Morita M, Filipek S, **Żekanowski C,** Kuźma-Kozakiewicz M. SOD1 mutations associated with amyotrophic lateral sclerosis analysis of variant severity. *Sci Rep* 2022;12(1):103. doi:10.1038/s41598-021-03891-8. IF_{roczny}=4.997; IF_{5y}= 5.516; Q1; 140 pkt;
14. **Beresewicz-Haller M:** Hippocampal region-specific endogenous neuroprotection as an approach in the search for new neuroprotective strategies in ischemic stroke. Fiction or fact? *Neurochem Int* 2022;162:105455. doi:10.1016/j.neuint.2022.105455. IF_{roczny}=4.297; IF_{5y}= 4.567; Q2; 100 pkt;
15. Bijata M, Bączyńska E, Müller FE, Bijata K, Masternak J, Krzystyniak A, Siwiec M, Svitlana Antoniuk S, Roszkowska M, Figiel I, Magnowska M, **Olszyński KH, Wardak AD,** Hogendorf A, Gorinski N, Labus J, Stępień T, Tarka S, Wierzbą-Bobrowicz T, Bojarski AJ, Tokarski K, **Filipkowski RK,** Ponimaskin E, Włodarczyk J: Activation of the 5-HT7 receptor and MMP-9 signaling module in the hippocampal CA1 region is necessary for the development of depressive-like behavior. *Cell Rep* 2022;38(11):110532. doi:10.1016/j.celrep.2022.110532. IF_{roczny}= 9.995; IF_{5y}=10.990; Q1; 200 pkt;

16. Bilmin K, **Synoradzki KJ**, **Czarnecka AM**, Spalek MJ, Kujawska T, Solnik M, Merks P, Toro MD, Rejdak R, Fiedorowicz M: New perspectives for eye-sparing treatment strategies in primary uveal melanoma. *Cancers (Basel)* 2021;14(1):134. doi:10.3390/cancers14010134. **IF_{roczny}= 6.575; IF_{5y}= 6.886; Q1; 140 pkt;**
17. Błaszczyk B, Miziak B, **Pluta R**, Czuczwar SJ: Epilepsy in pregnancy-management principles and focus on valproate. doi:10.3390/ijms23031369. *Int J Mol Sci* 2022;23:1369. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
18. **Bratek-Gerej E**, **Ziembowicz A**, **Salinska E**: Group II metabotropic glutamate receptors reduce apoptosis and regulate BDNF and GDNF levels in hypoxic-ischemic injury in neonatal rats. *Int J Mol Sci* 2022;23(13):7000. doi:10.3390/ijms23137000 **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
19. Bukowska-Oško I, **Sulejczak D**, **Kaczyńska K**, Kleczkowska P, Kramkowski K, Popiel M, Wietrak E, Kowalczyk P: Lactoferrin as a human genome “guardian”- an overall point of view. *Int J Mol Sci* 2022;23:5248. doi.org/10.3390/ijms23095248. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
20. Caloni F, Introzzi O, Caccianiga A, **Buzanska L**, Gutleb AC, Kándárova H, Ceriotti L, Ranaldi G, Rashidi H, Wilflingseder D: Third virtual summer school 3Rs for ONE science: alternative methods: from complexity to predictivity. *ALTEX* 2022;39(4):710-711. doi:10.14573/altex.2207112.**IF_{roczny}= 6.250; IF_{5y}= 6.645; Q2; 100 pkt;**
21. **Cąkała-Jakimowicz M**, **Puzianowska-Kuznicka M**. Towards understanding the lymph node response to skin infection with saprophytic *Staphylococcus epidermidis*. *Biomedicines* 2022;10:1021. doi.org/10.3390/biomedicines10051021. **IF_{roczny}=4.757; IF_{5y}= 5.225; Q2; 100 pkt;**
22. Choroszyński M, Barcikowska M, **Barczak A**: Metabolism and the effect of animal-derived oxysterols in the diet on the development of Alzheimer's disease. *Ann Nutr Metab* 2022;78(3):125-132. doi:10.1159/000520514. **IF_{roczny}= 5.923; IF_{5y}= 5.584; Q1; 100 pkt;**
23. Chrzanowska A, Struga M, Roszkowski P, **Kolinski M**, Kmieciak S, Jalbrzykowska K, Zabost A, Stefanska J, Augustynowicz-Kopec E, Wrzosek M, Bielenica A: The effect of conjugation of ciprofloxacin and moxifloxacin with fatty acids on their antibacterial and anticancer activity. *Int J Mol Sci* 2022;23(11):6261. doi.org/10.3390/ijms23116261. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
24. Cukierman-Yaffe T, Gerstein HC, Basile J, Bethel MA, Cardona-Muñoz EG, Conget I, Dagenais G, **Franek E**, Hall S, Hancu N, Jansky P, Lakshmanan M, Lanas F, Leiter LA, Lopez-Jaramillo P, Pirags V, Pogosova N, Probstfield J, Rao-Melacini P, Ramasundarahettige C, Raubenheimer PJ, Riddle MC, Rydén L, Shaw JE, Sheu WH, Temelkova-Kurktschiev T: Novel indices of cognitive impairment and incident cardiovascular outcomes in the REWIND trial. *J Clin Endocrinol Metab* 2022;107:e3448-e3454. doi:10.1210/clinem/dgac200. **IF_{roczny}= 6.134; IF_{5y}= 6.829; Q1; 140 pkt;**
25. **Dalidowska I**, Orłowska A, Smreczak M, **Bieganski P**: Hsp90 activity is necessary for the maturation of rabies virus polymerase. *Int J Mol Sci* 2022; 23(13): 6946. doi.org/10.3390/ijms23136946. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
26. Dang X, Walton EK, **Zablocka B**, Baloh RH, Shy ME, Dorn II GW: Mitochondrial phenotypes in genetically diverse neurodegenerative diseases and their response to mitofusin activation. *Cells* 2022;11:1053. doi.org/10.3390/cells11061053. **IF_{roczny}=7.666; IF_{5y}= 7.677; Q2; 140 pkt;**
27. **Dąbrowska-Bouta B**, **Sulkowski G**, **Gewartowska M**, **Strużyńska L**: Endoplasmic reticulum stress underlies nanosilver-induced neurotoxicity in immature rat brain. *Int J Mol Sci* 2022;23(21):13013. doi:10.3390/ijms232113013. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
28. Dec R, Okon R, **Pulawski W**, Wacławska M, Dzwolak W: Forced amyloidogenic cooperativity of structurally incompatible peptide segments: Fibrillization behavior of highly aggregation-prone A-chain fragment of insulin coupled to all-L, and alternating L/D octaglutamates. *Int J Biol Macromol* 2022; 223(Pt A): 362-369. **IF_{roczny}= 8.025; IF_{5y}= 7.626; Q1; 100 pkt;**
29. Fidyk K, Pastorczak A, Cyran J, Crump N T, Goral A, Madzio J, Muchowicz A, **Poprzczyk M**, Domka K, Komorowski L, Winiarska M, Harman J R, Siudakowska K, **Graczyk-Jarzynka A**, Patkowska E, Lech-Maranda E, Mlynarski W, Golab J, Milne T A, Firczuk M: Potent, p53-independent induction of NOXA sensitizes MLL-rearranged B-cell acute lymphoblastic leukemia cells to venetoclax. *Oncogene* 2022;41(11):1600–1609. doi.org/10.1038/s41388-022-02196-y. **IF_{roczny}=8.756; IF_{5y}=9.273; Q1; 140 pkt;**
30. **Figiel-Dąbrowska A**, Krzesniak N.E, Noszczyk B.H, Domanska-Janik K, **Sarnowska A**: Efficiency assessment of irrigation as an alternative method for improving the regenerative potential of non-healing wounds. *Wound Repair Regen* 2022; 30(3):303-316. doi:10.1111/wrr.13013. **IF_{roczny}=3.401; IF_{5y}= 4.213; Q2; 100 pkt;**
31. **Figiel-Dąbrowska A**, **Sypecka M**, **Chodkowska M**, **Sarnowska A**. Critical factors responsible for the therapeutic effect of mesenchymal stem/stromal cells in central nervous system disorders. *Folia Neuropathol* 2022; 60(1):1-9. doi:10.5114/fn.2022.114335. **IF_{roczny}=2.494; IF_{5y}=1.802; Q4; 70 pkt;**
32. Fornalski K W, Adamowski Ł, Bugała E, Jarmakiewicz R, Kirejczyk M, Kopyciński J, Krasowska J, Kukulski P, Piotrowski Ł, Ponikowska J, **Reszczyńska J**, Słonecka I, Wysocki P, Dobrzyński L: Biophysical modeling of the

- Ionizing radiation influence on cells using the stochastic (Monte Carlo) and deterministic (analytical) approaches. *Dose-Response*. 23;20(4):15593258221138506. doi:10.1177/15593258221138506. **IF_{roczny}=2.623; IF_{5Y}= 3.010; Q3; 70 pkt;**
33. **Franek E**, Gerstein HC, Riddle MC, Nicolay C, Hickey A, Botros FT, Loo LS: Efficacy and safety outcomes of dulaglutide by baseline HbA1c: a post hoc analysis of the REWIND trial. *Diabetes Obes Metab* 2022;24:1753-1761. doi:10.1111/dom.14760. **IF_{roczny}=6.408; IF_{5Y}= 6.285; Q1; 140 pkt;**
 34. **Gargas J, Janowska J, Ziabska K, Ziemka-Nalecz M, Sypecka J**: Neonatal rat glia cultured in physiological normoxia for modeling neuropathological conditions in vitro. *Int J Mol Sci* 2022;23(11):6000. doi:10.3390/ijms23116000 **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
 35. **Gaweda-Walerych K**, Sitek EJ, Borczyk M, Narożańska E, Brockhuis B, Korostyński M, Schinwelski M, Siemiński M, Slawek J, **Zekanowski C**: A patient with corticobasal syndrome and progressive non-fluent aphasia (CBS-PNFA), with variants in *ATP7B*, *SETX*, *SORL1*, and *FOXP1* genes. *Genes* 2022;13:2361. doi.org/10.3390/genes13122361. **IF_{roczny}=4.141; IF_{5Y}=4.474; Q2; 100 pkt;**
 36. **Gąsowska-Dobrowolska M**, Kolasa A, Beversdorf DQ, **Adamczyk A**: Alterations in cerebellar microtubule cytoskeletal network in a valproic acid-induced rat model of autism. *Biomedicines* 2022;10:3031. doi.org/10.3390/biomedicines10123031. **IF_{roczny}=4.757; IF_{5Y}= 5.225; Q2; 100 pkt;**
 37. Gerstein HC, Ramasundarahettige C, Avezova A, Basile J, Conget I, Cushman WC, Dagenais GR, **Franek E**, Lakshmanan M, Lanas F, Leiter LA, Pogozova N, Probstfield J, Raubenheimer PJ, Riddle M, Shaw J, Sheu WH, Temelkova-Kurktschiev T, Turfanda I, Xavier D: A novel kidney disease index reflecting both the albumin-to-creatinine ratio and estimated glomerular filtration rate, predicted cardiovascular and kidney outcomes in type 2 diabetes. *Cardiovasc Diabetol* 2022;21:158. doi:10.1186/s12933-022-01594-6. **IF_{roczny}=8.949; IF_{5Y}= 8.673; Q1; 140 pkt;**
 38. **Górecka M**, Krzemiński K, **Mikulski T, Ziemba AW**. ANGPTL4, IL-6 and TNF- α as regulators of lipid metabolism during a marathon run. *Sci Rep* 2022;19;12(1):19940. doi:10.1038/s41598-022-17439-x. **IF_{roczny}=4.997; IF_{5Y}= 5.516; Q1; 140 pkt;**
 39. Grabowska A, Sas-Nowosielska H, Wojtas B, Holm-Kaczmarek D, Januszewicz E, Yushkevich Y, Czaban I, Trzaskoma P, Krawczyk K, Gielniewski B, Martin-Gonzalez A, **Filipkowski RK, Olszynski KH**, Bernas T, Szczepankiewicz AA, Sliwinska MA, Kanhema T, Bramham CR, Bokota G, Plewczynski D, Wilczynski GM, Magalska A: Activation-induced chromatin reorganization in neurons depends on HDAC1 activity. *Cell Rep* 2022; 38(7):110352. doi: 10.1016/j.celrep.2022.110352. **IF_{roczny}= 9.995; IF_{5Y}=10.990; Q1; 200 pkt;**
 40. **Grochowalska K, Pikul P, Piwkowska A**: Insights into the regulation of podocyte and glomerular function by lactate and its metabolic sensor G-protein-coupled receptor 81. *J Cell Physiol* 2022; 237(11):4097-4111. doi:10.1002/jcp.30874. **IF_{roczny}=6.513; IF_{5Y}= 6.398; Q1; 100 pkt;**
 41. Hadar A, Voinsky I, Parkhomenko O, **Puzianowska-Kuźnicka M**, Kuźnicki J, Gozes I, Gurwitz D: Higher ATM expression in lymphoblastoid cell lines from centenarian compared with younger women. *Drug Dev Res* 2022;83:1419-1424. doi:10.1002/ddr.21972. **IF_{roczny}= 5.004; IF_{5Y}=4.264; Q2; 70 pkt;**
 42. Halik, P.; Koźmiński, P.; **Matałńska, J.; Lipiński, P.F.J.; Misicka, A.**; Gniazdowska, E. In vitro biological evaluation of aprepitant based ¹⁷⁷Lu-radioconjugates. *Pharmaceutics* 2022;14:607. doi:10.3390/pharmaceutics14030607. **IF_{roczny}=6.525; IF_{5Y}=7.227; Q1; 100 pkt;**
 43. Hall M, **Walicka M**, Panczyk M, Traczyk I. Assessing long-term impact of dietary interventions on occurrence of symptoms consistent with hypoglycemia in patients without diabetes: a one-year follow-up study. *Nutrients*. 2022;14:497. doi:10.3390/nu14030497. **IF_{roczny}=6.706; IF_{5Y}=7.185; Q1; 140 pkt;**
 44. Hintze B, Rowicka M, **Barczak A**. Are executive functions deficits in early onset schizophrenia more severe than in adulthood-onset schizophrenia? *Clin Neuropsychiatr*. 2022;19(1):54-63. doi:10.36131/cnfioritieditore20220108. **IF_{roczny}=0.919; IF_{5Y}=BRAK; Q1; 40 pkt;**
 45. Janik A, Perlińska-Lenart U, Gawarecka K, **Augustyniak J, Bratek-Gerej E**, Bernat P, Piśtyk S, Skalmowska P, Palamarczyk G, Swieżewska E, Kruszewska JS. Synthesis of dolichols in *candida albicans* is co-regulated with elongation of fatty acids. *Int J Mol Sci* 2022; 23(1):409. doi.org/10.3390/ijms23010409. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
 46. Janowski M, **Andrzejewska A**. The legacy of mRNA engineering: A line-up of pioneers for the Nobel Prize. *Molecular Therapy: Nucleic Acid* 2022 July. doi:10.1016/j.omtn.2022.07.003. **IF_{roczny}=10.183; IF_{5Y}=9.044; Q1; 140 pkt;**
 47. Jansen WJ, Janssen O, Tijms BM, Vos SJB, Ossenkoppelle R, Visser PJ; Amyloid Biomarker Study Group; Aarsland D, Alcolea D, Altomare D, von Arnim C, Baiardi S, Baldeiras I, Barthel H, Bateman RJ, Van Berckel B, Binette AP, Blennow K, Boada M, Boecker H, Bottlaender M, den Braber A, Brooks DJ, Van Buchem MA, Camus V, Carill JM, Cerman J, Chen K, Chételat G, Chipi E, Cohen AD, Daniels A, Delarue M, Didic M, Drzezga A, Dubois B, Eckerström M, Ekblad LL, Engelborghs S, Epelbaum S, Fagan AM, Fan Y, Fladby T, Fleisher AS, Van der Flier WM, Förster S, Fortea J, Frederiksen KS, Freund-Levi Y, Frings L, Frisoni GB, Fröhlich L, **Gabrylewicz T**, Gertz HJ, Gill KD,

- Gkatzima O, Gómez-Tortosa E, Grimmer T, Guedj E, Habeck CG, Hampel H, Handels R, Hansson O, Hausner L, Hellwig S, Heneka MT, Herukka SK, Hildebrandt H, Hodges J, Hort J, Huang CC, Iriondo AJ, Itoh Y, Ivanou A, Jagust WJ, Jessen F, Johannsen P, Johnson KA, Kandimalla R, Kapaki EN, Kern S, Kilander L, Klimkiewicz-Mrowiec A, Klunk WE, Koglin N, Kornhuber J, Kramberger MG, Kuo HC, Van Laere K, Landau SM, Landeau B, Lee DY, de Leon M, Leyton CE, Lin KJ, Lleó A, Löwenmark M, Madsen K, Maier W, Marcusson J, Marquié M, Martinez-Lage P, Maserejian N, Mattsson N, de Mendonça A, Meyer PT, Miller BL, Minatani S, Mintun MA, Mok VCT, Molinuevo JL, Morbelli SD, Morris JC, Mroczko B, Na DL, Newberg A, Nobili F, Nordberg A, Olde Rikkert MGM, de Oliveira CR, Olivieri P, Orellana A, Paraskevas G, Parchi P, Pardini M, Parnetti L, Peters O, Poirier J, Popp J, Prabhakar S, Rabinovici GD, Ramakers IH, Rami L, Reiman EM, Rinne JO, Rodrigue KM, Rodríguez-Rodríguez E, Roe CM, Rosa-Neto P, Rosen HJ, Rot U, Rowe CC, Rütger E, Ruiz A, Sabri O, Sakhardande J, Sánchez-Juan P, Sando SB, Santana I, Sarazin M, Scheltens P, Schröder J, Selnes P, Seo SW, Silva D, Skoog I, Snyder PJ, Soininen H, Sollberger M, Sperling RA, Spuru L, Stern Y, Stomrud E, Takeda A, Teichmann M, Teunissen CE, Thompson LI, Tomassen J, Tsolaki M, Vandenberghe R, Verbeek MM, Verhey FRJ, Villemagne V, Villeneuve S, Vogelgsang J, Waldemar G, Wallin A, Wallin ÅK, Wilfang J, Wolk DA, Yen TC, Zboch M, Zetterberg H. Prevalence estimates of amyloid abnormality across the Alzheimer disease clinical spectrum. *JAMA Neurol.* 2022;79(3):228-243. doi:10.1001/jamaneurol.2021.5216. **IF_{roczny}=29.907; IF_{5y}=22.185; Q; 200 pkt;**
48. Janssen O, Jansen WJ, Vos SJB, Boada M, Parnetti L, **Gabryelewicz T**, Fladby T, Molinuevo JL, Villeneuve S, Hort J, Epelbaum S, Lleó A, Engelborghs S, van der Flier WM, Landau S, Popp J, Wallin A, Scheltens P, Rikkert MO, Snyder PJ, Rowe C, Chételat G, Ruiz A, Marquié M, Chipi E, Wolfsgruber S, Heneka M, Boecker H, Peters O, Jarholm J, Rami L, Tort-Merino A, Binette AP, Poirier J, Rosa-Neto P, Cerman J, Dubois B, Teichmann M, Alcolea D, Fortea J, Sánchez-Saudinós MB, Ebenau J, Pocnet C, Eckerström M, Thompson L, Villemagne V, Buckley R, Burnham S, Delarue M, Freund-Levi Y, Wallin ÅK, Ramakers I, Tsolaki M, Soininen H, Hampel H, Spuru L; Alzheimer's disease neuroimaging initiative; FACEHBI study group; PREVENT-AD research group, Tijms B, Ossenkoppele R, Verhey FRJ, Jessen F, Visser PJ. Characteristics of subjective cognitive decline associated with amyloid positivity. *Alzheimers Dement* 2022;18(10):1832-1845. doi:10.1002/alz.12512. **IF_{roczny}=16.655; IF_{5y}=20.298; Q1; 200 pkt;**
49. Jędynasty K, Zięba M, Adamski J, Czech M, Głuszko P, Gozdowski D, Szybowska A, Śliwczynski A, **Walicka M, Franek E**. Seasonally dependent change of the number of fractures after 50 years of age in Poland – analysis of combined health care and climate datasets. *Int J Environ Res Public Health* 2022;19:9467. doi:10.3390/ijerph19159467. **IF_{roczny}=4.614; IF_{5y}=4.799; Q2; 140 pkt;**
50. **Kabzińska D, Chabros K**, Kamińska J, **Kochański A**: The GDAP1 p.Glu222Lys variant-weak pathogenic effect, cumulative effect of weak sequence variants, or synergy of both factors? *Genes* 2022;13:1546. doi.org/10.3390/genes13091546. **IF_{roczny}=4.141; IF_{5y}=4.474; Q2; 100 pkt;**
51. **Kaczyńska K**, Orłowska, ME, **Andrzejewski K**: Respiratory abnormalities in Parkinson's disease. What do we know from studies in humans and animal models? *Int J. Mol Sci* 2022;23:3499. doi.org/10.3390/ijms23073499 **IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;**
52. Kaja E, Lejman A, Sielski D, Sypniewski M, Gambin T, Dawidziuk M, Suchocki T, Golik P, Wojtaszewska M, Mroczek M, Stępień M, Szyda J, Lisiak-Teodorczyk K, Wolbach F, Kołodziejska D, Ferdyn K, Dąbrowski M, Woźna A, Żytkiewicz M, Bodora-Troińska A, Elikowski W, Król ZJ, Zaczyński A, **Pawlak A**, Gil R, Wierzbna W, Dobosz P, Zawadzka K, Zawadzki P, Sztromwasser P: The thousand polish genomes-a database of polish variant allele frequencies. *Int J Mol Sci* 2022;23(9):4532. doi:10.3390/ijms23094532. **IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;**
53. Kala P, **Gawrys O**, Miklovič M, Vaňourková Z, Škaroupková P, Jíchová Š, Sadowski J, **Kompanowska-Jeziarska E, Walkowska A**, Veselka J, Táborský M, Maxová H, Vaněčková I, Červenka L: Endothelin type A receptor blockade attenuates aorto-caval fistula-induced heart failure in rats with angiotensin II-dependent hypertension. *J Hypertens Epub* 2022 Oct 5. doi:10.1097/HJH.0000000000003307. **IF_{roczny}=4.776; IF_{5y}=5.444; Q2; 100 pkt;**
54. Kala P, Vaňourková Z, Škaroupková P, **Kompanowska-Jeziarska E, Sadowski J, Walkowska A**, Veselka J, Táborský M, Maxová H, Vaněčková I, Červenka L: Endothelin type A receptor blockade increases renoprotection in congestive heart failure combined with chronic kidney disease: Studies in 5/6 nephrectomized rats with aorto-caval fistula. *Biomed Pharmacother* 2022;158:114157. doi:10.1016/j.biopha.2022.114157 **IF_{roczny}=7.419; IF_{5y}=6.581; Q1; 100 pkt;**
55. **Kamińska A, Radoszkiewicz K, Rybkowska P, Wedzińska A, Sarnowska A**. Interaction of neural stem cells (NSCs) and mesenchymal stem cells (MSCs) as a promising approach in brain study and nerve regeneration. *Cells* 2022;11(9):1464. doi:10.3390/cells11091464. **IF_{roczny}=7.666; IF_{5y}=7.677; Q2; 140 pkt;**
56. Kamińska J, Soczewka P, **Rzepnikowska W**, Żołądek T. Yeast as a model to and new drugs and drug targets for VPS13-dependent neurodegenerative diseases. *Int J Mol Sci* 2022;23(9):5106. doi.org/10.3390/ijms23095106. **IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;**
57. **Kawalec M, Wojtyniak P, Bielska E, Lewczuk A, Boratynska-Jasińska A, Beręsewicz-Haller M, Frontczak-Baniewicz M, Gewartowska M, Zabłocka B**: Mitochondrial dynamics, elimination and biogenesis during post-

- ischemic recovery in ischemia-resistant and ischemia-vulnerable gerbil hippocampal regions. *Biochim Biophys Acta Mol Basis Dis* 2022;1869(3):166633. doi:10.1016/j.bbadis.2022.166633. **IF_{roczny}=6.633; IF_{5Y}= 6.919; Q1; 140 pkt;**
58. **Kaźmierczak W, Czerwos L**, Dmitruk K, Klawe J, Tafil-Klawe M: The visual - postural integration test - the new Method. *Am J Biomed Sci & Res* 2022;15(6). doi:10.34297/AJBSR.2022.15.002163 (opinia) **IF_{roczny}=1.628; IF_{5Y}=BRAK; QBRAK; 5 pkt spoza wykazu ministerialnego**
59. Klapczyńska K, **Aleksandrowicz M, Koźniewska E**: Role of the endothelial reverse mode sodium-calcium exchanger in the dilation of the rat middle cerebral artery during hypoosmotic hyponatremia. *Pflugers Arch Eur J Phy* 2022 Nov 17. doi:10.1007/s00424-022-02770-z. **IF_{roczny}= 4.458; IF_{5Y}= 4.219; Q2; 100 pkt;**
60. **Kłopotowska, M., Bajor, M., Graczyk-Jarzyńska, A.**, Kraft, A., Pilch, Z., Zhylo, A., Firczuk, M., Baranowska, I., Łazniewski M, Plewczynski D, Goral A, Soroczynska K, Domagala J, Marhelava K, Slusarczyk A, Retecki K, Ramji K, **Krawczyk M**, Temples M N, Sharma B, ... Winiarska M: PRDX-1 supports the survival and antitumor activity of primary and CAR-modified NK cells under oxidative stress. *Cancer Immunol Res* 2022;10(2),228–244. doi.org/10.1158/2326-6066.CIR-20-1023. **IF_{roczny}=12.020; IF_{5Y}=13.345; Q1; 200 pkt;**
61. Kolasa J, Frączek-Jucha M, Grabowski M, Jankowska EA, Lelonek M, **Pawlak A**, Uchmanowicz I, Nessler J: A quasi-experimental study examining a nurse-led educational program to improve disease knowledge and self-care for patients with acute decompensated heart failure with reduced ejection fraction. *Adv Clin Exp Med* 2022;31(3):267-275. doi:10.17219/acem/143989. **IF_{roczny}=1.736; IF_{5Y}=2.135; Q4; 70 pkt;**
62. Konop M, Rybka M, Szudzik M, Mazurek Ł, Laskowska AK, **Sulejczak D**, Ruszczak Z, Mazgaj R, Cieślak B, Schwartz RA, Samborowska E, Frankowski J, Waszkowski A, Konopelski P, Czuwara J: Keratin-butyrate scaffolds promote skin wound healing in diabetic rats through down-regulation of IL-1β and up-regulation of keratins 16 and 17. *J Nat Fibers* 2022 25 Oct. doi.org/10.1080/15440478.2022.2136325. **IF_{roczny}=3.507; IF_{5Y}=3.760; Q1; 70 pkt;**
63. Korbecki J, **Gassowska-Dobrowolska M**, Wójcik J, Szatkowska I, Barczak K, Chlubek M, Baranowska-Bosiacka I: The importance of CXCL1 in physiology and noncancerous diseases of bone, bone marrow, muscle and the nervous system. *Int J Mol Sci* 2022;23:4205. doi:10.3390/ijms23084208. **IF_{roczny}=6.208; IF_{5Y}=6.628; Q1; 140 pkt;**
64. **Kot M**, Neglur PK, Pietraszewska A, **Buzanska L**. Boosting neurogenesis in the adult hippocampus using antidepressants and mesenchymal stem cells. *Cells* 2022;11(20):3234. doi:10.3390/cells11203234. **IF_{roczny}=7.666; IF_{5Y}= 7.677; Q2; 140 pkt;**
65. Kowalczyk P, **Kaczyńska K**, Kleczkowska P, Bukowska-Oško I, Kramkowski K, **Sulejczak D**. The lactoferrin phenomenon-a miracle molecule. *Molecules* 2022;27(9):2941. doi:10.3390/molecules27092941. **IF_{roczny}=4.927; IF_{5Y}=5.110; Q2; 140 pkt;**
66. Koźniewski K, Wąsowski M, Jonas MI, Lisik W, Jonas M, Binda A, Jaworski P, Tarnowski W, Noszczyk B, **Puzianowska-Kuznicka M, Kuryłowicz A**: Epigenetic regulation of estrogen receptor genes' expression in adipose tissue in the course of obesity. *Int J Mol Sci* 2022;23:5989. doi.org/10.3390/ijms23115989. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
67. Krajewska-Węglewicz L, Banach M, Filipiak E, Sempirńska-Szewczyk J, Skopiński P, **Dorobek M**. The feasibility of surface electromyography in monitoring orbicularis oculi recovery after anterior approach levator aponeurosis advancement. *J Clin Med* 2022;11(3):731. doi:10.3390/jcm11030731. **IF_{roczny}=4.964; IF_{5Y}=5.098; Q1; 140 pkt;**
68. Krzywański J, **Mikulski T, Krysztofiak H**, Pokrywka A, Sobierajski T, Młyńczak M, Piechuta A, Kuchar E: Vaccine versus infection - COVID-19-related loss of training time in elite athletes. *J Sci Med Sport* 2022 ;25(12):950–9. doi:10.1016/j.jsams.2022.10.004. **IF_{roczny}=4.597; IF_{5Y}=5.380; Q1; 140 pkt;**
69. **Kuczeriszka M**, Wąsowicz K: Animal models of hypertension: The status of nitric oxide and oxidative stress and the role of the renal medulla. *Nitric Oxide* 2022;125-126:40-46. doi:10.1016/j.niox.2022.06.003. **IF_{roczny}=4.898; IF_{5Y}= 4.604; Q2; 100 pkt;**
70. **Kulesza T, Typiak M, Rachubik P, Audzeyenka I, Rogacka D**, Angielski S, Saleem MA, **Piwkowska A**: Hyperglycemic environment disrupts phosphate transporter function and promotes calcification processes in podocytes and isolated glomeruli. *J Cell Physiol* 2022; 237: 2478-2491 doi.org/10.1002/jcp.30700. **IF_{roczny}=6.513; IF_{5Y}= 6.398; Q1; 100 pkt;**
71. Landowska M, Żebrowska A, Fajer K, Adamek P, Kruk A, Kałuża B, **Franek E**. Atherosclerosis risk factors in patients with reactive hypoglycemia. *Diabetes Metab Syndr Obes* 2022;15:3133-3142. doi:10.2147/DMSO.S371706. **IF_{roczny}=3.249; IF_{5Y}=3.587; Q3; 100 pkt;**
72. Lane W, Favaro E, Jódar E, Kelkar P, Oviedo A, Sivarathinasami R, Senior PA, Sesti G, **Franek E**: Effective overall glycaemic control with fast-acting insulin aspart across patients with different baseline characteristics: a post hoc analysis of the Onset 9 trial. *Diabetes Ther* 2022;13:761-774. doi:10.1007/s13300-022-01213-3. **IF_{roczny}=3.605; IF_{5Y}=3.706; Q3; 100 pkt;**
73. Lelonek M, Grabowski M, Kasprzak JD, Leszek P, Nessler J, **Pawlak A**, Rozentryt P, Straburzynska-Migaj E, Rubiś P: An expert opinion of the Heart Failure Association of the Polish Cardiac Society on the 2021 European Society of

- Cardiology guidelines for the diagnosis and treatment of acute and chronic heart failure: Heart failure guidelines from a national perspective. *Kardiol Pol.* 2022;80(2):239-246. doi:10.33963/KP.a2022.0021. **IF_{roczny}=3.710; IF_{5y}=4.686; Q1; 100 pkt;**
74. Levin J, Sing N, Melbourne S, Morgan A, Mariner C, Spillantini MG, **Wegrzynowicz M**, Dalley JW, Langer S, Ryazanov S, Leonov A, Griesinger C, Schmidt F, Weckbecker D, Prager K, Matthias T, Giese A: Safety, tolerability and pharmacokinetics of the oligomer modulator anle138b with exposure levels sufficient for therapeutic efficacy in a murine Parkinson model: A randomised, double-blind, placebo-controlled phase 1a trial. *EBioMedicine* 2022; 80:104021. doi:10.1016/j.ebiom.2022.104021. **IF_{roczny}=11.205; IF_{5y}= 10.481; Q1; 140 pkt;**
 75. **Lewczuk A, Zabłocka B, Beręsewicz-Haller M**: Is Nrf2 behind endogenous neuroprotection of the hippocampal CA2-4, DG region? *Mol Neurobiol* 2022 Dec 22. doi:10.1007/s12035-022-03166-x. **IF_{roczny}=5.686; IF_{5y}=5.576; Q1; 100 pkt;**
 76. **Lipiński PFJ, Matalińska J**: Fentanyl structure as a scaffold for opioid/non-opioid multitarget analgesics, *Int J Mol Sci* 2022; 23: 2766. doi:10.3390/ijms23052766. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
 77. Łukawska-Tataczuk MM, **Pawlak A**, Zieliński J, Franek E, Czupryniak L, Mrozikiewicz-Rakowska B: Association of antithyroid peroxidase antibodies with cardiac function in euthyroid women with type 1 diabetes mellitus - assessment with two-dimensional speckle-tracking echocardiography. *Endokrynol Pol* 2022; 73(5): 812-822. doi:10.5603/EP.a2022.0041. **IF_{roczny}=1.569; IF_{5y}=1.454; Q4; 70 pkt;**
 78. Łukawska-Tataczuk MM, Zieliński J, **Franek E**, Czupryniak L, Mrozikiewicz-Rakowska B: Is thyroid autoimmunity associated with subclinical atherosclerosis in young women with type 1 diabetes mellitus? *Endokrynol Pol.* 2022;73(2):301-308. doi:10.5603/EP.a2022.0018. **IF_{roczny}=1.569; IF_{5y}=1.454; Q4; 70 pkt;**
 79. Mamzer A, Waligora M, Kopec G, Ptaszynska-Kopczynska K, Kurzyzna M, Darocha S, Florczyk M, Mroczek E, Mularek-Kubzdela T, Smukowska-Gorynia A, Wrotynski M, Chrzanowski L, Dzikowska-Diduch O, Perzanowska-Brzeszkiewicz K, Pruszczyk P, Skoczylas I, Lewicka E, Blaszcak P, Karasek D, Kusmierczyk-Droszcz B, Mizia-Stec K, Kaminski K, Jachec W, Peregud-Pogorzelska M, Doboszynska A, Gasior Z, Tomaszewski M, **Pawlak A**, Zablocka W, Ryczek R, Widejko-Pietkiewicz K, Kasprzak JD: Impact of the COVID-19 pandemic on pulmonary hypertension patients: Insights from the BNP-PL national database. *Int J Environ Res Public Health* 2022;19(14):8423. doi:10.3390/ijerph19148423. **IF_{roczny}=4.614; IF_{5y}=4.799; Q2; 70 pkt;**
 80. Marh elava K, **Krawczyk M**, Firczuk M, Fidyk K: CAR-T cells shoot for new targets: novel approaches to boost adoptive cell therapy for B cell-derived malignancies. *Cells* 2022;11(11):1804. doi:10.3390/cells11111804. **IF_{roczny}=7.666; IF_{5y}= 7.677; Q2; 140 pkt;**
 81. **Matalińska J**, Kosińska K, Halik PK, Koźmiński P, **Lipiński PFJ**, Gniazdowska E, **Misicka A**: Novel NK1R-targeted ⁶⁸Ga-/¹⁷⁷Lu-radioconjugates with potential application against glioblastoma multiforme: preliminary exploration of structure–activity relationships. *Int J Mol Sci* 2022;23:1214. doi:10.3390/ijms23031214. **IF_{roczny}=6.208; IF_{5y}= 6.628; Q1; 140 pkt;**
 82. **Matalińska J, Lipiński PFJ**: Correcting a widespread error: Neuroprotectant N-acetyl-L-tryptophan does not bind to the neurokinin-1 receptor. *Mol Cell Neurosci* 2022;120:10372. doi:10.1016/j.mcn.2022.103728. **IF_{roczny}=4.626; IF_{5y}=4.016; Q2; 100 pkt;**
 83. **Matalińska J, Lipiński PFJ**: Docking is not enough: 17-trifluoromethylphenyl trimeric PGF₂α is only a very weak ligand of neurokinin-1 receptor. *Exp Mol Pathol* 2022;129:104849. doi:10.1016/j.yexmp.2022.104849. **IF_{roczny}=4.401; IF_{5y}=3.455; Q2; 70 pkt;**
 84. Matłoka M, Janowska S, Pankiewicz P, Kokhanovska S, Kos T, Hołuj M, Rutkowska-Włodarczyk I, Abramski K, Janicka M, Jakubowski P, Świątkiewicz M, Welniak-Kaminska M, Hucz-Kalitowska J, Dera P, Bojarski L, **Grieb P**, Popik P, Wieczorek M, Pieczykolan J: A PDE10A inhibitor CPL500036 is a novel agent modulating striatal function devoid of most neuroleptic side-effects. *Front Pharmacol* 2022 Nov 9;13:999685. doi:10.3389/fphar.2022.999685. **IF_{roczny}=5.988; IF_{5y}=6.455; Q1; 100 pkt;**
 85. **Matuszewska M, Cieślik M, Wilkaniec A**, Strawski M, **Czapski G**: The role of bromodomain and extraterminal (BET) proteins in controlling the phagocytic activity of microglia in vitro; relevance to Alzheimer's disease. doi:10.3390/ijms24010013. *Int J Mol Sci* 2022;24(1):13. **IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;**
 86. Mierzewska-Schmidt M, Baranowski A, **Szymanska K**, Ciaston M, Kuchar E, Ploski R, Kosinska J, Pagowska-Klimek I: The case of fatal acute hemorrhagic necrotizing encephalitis in a two-month-old boy with Covid-19. *Int J Infect Dis* 2022;116:151-153. doi:10.1016/j.ijid.2021.12.334. **IF_{roczny}=12.073; IF_{5y}=9.021; Q1; 100 pkt;**
 87. **Milewski K, Orzeł K, Zielińska M**: Mitochondrial changes in rat brain endothelial cells associated with hepatic encephalopathy: relation to the blood–brain barrier dysfunction. *Neurochem Res* 2022 August 2. doi:10.1007/s11064-022-03698-7. **IF_{roczny}= 4.414; IF_{5y}=4.067; Q2; 70 pkt;**
 88. Mirecki B, Rogalski M, Arcab P, **Rogujski P, Stanaszek L**, Józwick M, Trusiak M: Low-intensity illumination for lensless digital holographic microscopy with minimized sample interaction. *Biomed Opt Express* 2022;13(11):5667-5682. doi.org/10.1364/BOE.464367. **IF_{roczny}=3.562; IF_{5y}=4.066; Q2; 140 pkt;**

89. Mitrečić D, Hribljan V, Jagečić D, Isaković J, Lamberto F, Horánszky A, Zana M, Foldes G, Zavan B, Pivoriūnas A, Martinez S, Mazzini L, Radenovic L, Milasin J, Chachques JC, **Buzanska L**, Song MS, Dinnyés A: Regenerative neurology and regenerative cardiology: shared hurdles and achievements. *Int J Mol Sci* 2022;23(2):855. doi: 10.3390/ijms23020855. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
90. Miziak B, Czuczwar SJ, **Pluta R**. Comorbid epilepsy and depression-pharmacokinetic and pharmacodynamic drug interactions. *Front Pharmacol* 2022;13:988716. **IF_{roczny}=5.988, IF_{5Y}= 6.455; Q1; 100 pkt;**
91. Murawska M, **Sypecka M**, Bartosik J, Kwiecień E, Rzewuska M, Sałamaszyńska-Guz A: Should we consider them as a threat? Antimicrobial resistance, virulence potential and genetic diversity of campylobacter spp. isolated from varsovian dogs. *Antibiotics-Basel* 2022;11(7):964. doi:10.3390/antibiotics11070964. **IF_{roczny}=5.222; IF_{5Y}=5.396; Q2; 70 pkt;**
92. Nasrolahi A, Azizidoost S, **Radoszkiewicz K**, Najafi S, Ghaedrahmati F, Anbiyae O, Khoshnam SE, Farzaneh M, Uddin S: Signaling pathways governing glioma cancer stem cells behavior. *Cell Signal* 2022(2023);101:110493. doi.org/10.1016/J.CELLSIG.2022.110493. **IF_{roczny}= 4.850; IF_{5Y}=4.633; Q2; 100 pkt;**
93. Nasrolahi A, Azizidoost S, **Radoszkiewicz K**, Najafi S, Ghaedrahmati F, Sheykhi-Sabzehpoush M, Poodineh J, Hajizadeh M, Anbiyae A, Farzaneh M, Feghhi M: Long non-coding RNAs involved in retinoblastoma. *J Cancer Res Clin Oncol* 2022 149(1):401-421. doi.10.1007/s00432-022-04398-z. **IF_{roczny}=4.322; IF_{5Y}=4.176; Q2; 100 pkt;**
94. Neumann-Podczaska A, Tobis S, Antimisiaris D, Mossakowska M, Puzianowska-Kuznicka M, Chudek J, Wierucki L, Merks P, Wizner B, Sobieszczanska M, Niemir ZI, Kaczmarek B, Wieczorowska-Tobis K: Polypharmacy in Polish older adult population - a cross-sectional study: Results of the PolSenior project. *Int J Environ Res Publ Health* 2022;19:1030. doi.org/10.3390/ijerph19031030. **IF_{roczny}=4.614; IF_{5Y}=4.799; Q2; 140 pkt;**
95. Niemczyk-Soczynska B, Gradys A, Kolbuk D, Krzton-Maziopa A, **Rogujski P, Stanaszek L, Lukomska B, Sajkiewicz P**: A methylcellulose/agarose hydrogel as an innovative scaffold for tissue engineering. *RSC Adv* 2022 21;12(41):26882-26894. doi:10.1039/d2ra04841h. **IF_{roczny}=4.036; IF_{5Y}=3.748; Q2; 100 pkt;**
96. Niziolek M, Bicka M, Osinka A, Samsel Z, Sekretarska J, **Poprzeczko M**, Bazan R, Fabczak H, Joachimiak E, Wloga D: PCD Genes-from patients to model organisms and back to humans. *Int J Mol Sci* 2022;23(3):1749. doi:10.3390/ijms23031749. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
97. Obara-Michlewska M: The contribution of astrocytes to obesity-associated metabolic disturbances". *J Biomed Res* 2022;36(5):299-311. doi:10.7555/JBR.36.20200020. **IF_{roczny}=1.981; IF_{5Y}=2.017; Q3; 40 pkt;**
98. **Obara-Michlewska M**: The tryptophan metabolism, kynurenine pathway and oxidative stress - implications for glioma pathobiology. *Neurochem Int* 2022 Sep;158:105363. doi:10.1016/j.neuint.2022.105363. **IF_{roczny}=4.297; IF_{5Y}= 4.567; Q2; 100 pkt;**
99. **Olszyński KH, Polowy R, Wardak AD Grymanowska AW, Zieliński J, Filipkowski RK**: Spontaneously hypertensive rats manifest deficits in emotional response to 22-kHz and 50-kHz ultrasonic playback. *Prog Neuro-Psychopharmacol Biol Psychiatry* 2022;120(1–2):110615. doi:10.1016/j.pnpbp.2022.110615. **IF_{roczny}=5.201; IF_{5Y}=5.527; Q2; 100 pkt;**
100. **Oroń M, Grochowski M, Jaiswar A**, Legierska J, Jastrzębski K, Nowak-Niezgoda M, Kołos M, Kaźmierczak W, Olesiński T, Lenarcik M, Cybulska M, Mikula M, Żylicz A, Miączyńska M, Zettl K, Wiśniewski JR, **Walerych D**: The molecular network of the proteasome machinery inhibition response is orchestrated by HSP70, revealing vulnerabilities in cancer cells. *Cell Rep* 2022;40(13):111428. doi:10.1016/j.celrep.2022.111428. **IF_{roczny}= 9.995; IF_{5Y}=10.990; Q1; 200 pkt;**
101. **Ostrowski RP**, Zhaohui He, Pucko EB, Matyja E: Hemorrhage in brain tumor – an unresolved issue. *Brain Hemorrhages* 2022;3(2):98-102. doi.org/10.1016/j.hestr.2022.01.005. **IF_{roczny}=1.8; IF_{5Y}=BRAK; QBRAK; 5 pkt spoza wykazu ministerialnego;**
102. **Ostrowski RP, Pucko E, Matyja E**: Proteasome and neuroprotective effect of hyperbaric oxygen preconditioning in experimental global cerebral ischemia in rats. *Front Neurol* 2022;13:812581. doi:10.3389/fneur.2022.812581. **IF_{roczny}=4.086; IF_{5Y}=4.321; Q2; 100 pkt;**
103. **Ostrowski RP, Pucko EB**: Harnessing oxidative stress for anti-glioma therapy. *Neurochem Int* 2022;154:105281. doi:10.1016/j.neuint.2022.105281. Epub 2022 Jan 14. **IF_{roczny}=4.297; IF_{5Y}= 4.567; Q2; 100 pkt;**
104. Ozierański K, Tymińska A, Marchel M, Januszkiewicz Ł, Maciejewski C, Głowczyńska R, Marcolongo R, Caforio AL, Wojnicz R, Mizia-Stec K, Grzybowski J, Gąsior M, Nowalany-Kozielska E, **Pawlak A**, Kaczmarek K, Żegarska J, Pączek L, Balsam P, Opolski G, Grabowski M: A multicenter, randomized, double-blind, placebo-controlled study to evaluate the efficacy of immunosuppression in biopsy-proven virus-negative myocarditis or inflammatory cardiomyopathy (IMPROVE-MC). *Cardiol J* 2022;29(2):329-341. doi:10.5603/CJ.a2021.0166. **IF_{roczny}=3.487; IF_{5Y}= 2.567; Q2; 100 pkt;**
105. Partyka O, Pajewska M, Czerw A, Sygit K, Kmieć K, Lyubinets O, Niemiec M, Kaczmarski M, Gąska I, Juszczyk G, Krzych-Fałta E, Banaś T, **Kosior DA**, Deptała A, Kotwas A, Bandurska E, Ciećko W, Cipora E: Influence of selected

- indicators of healthcare system functioning evaluation on the health result. *Int J Environ Res Public Health* 2022;19(21):14618. doi:10.3390/ijerph192114618. IF_{roczny}=4.614; IF_{5y}=4.799; Q2; 70 pkt;
106. **Pawelec P, Sypecka J, Zalewska T, Ziemka-Nalecz M**: Analysis of givinostat/ITF2357 treatment in a rat model of neonatal hypoxic-ischemic brain damage. *Int J Mol Sci* 2022;23(15):8287. doi:10.3390/ijms23158287. IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;
107. **Pawlak A, Gewartowska M**, Przybylski M, Kuffner M, Wiligórska D, Gil R, Król Z, **Frontczak-Baniewicz M**: Ultrastructural changes in mitochondria in patients with dilated cardiomyopathy and parvovirus B19 detected in heart tissue without myocarditis. *J Pers Med* 2022;12(2):177. doi:10.3390/jpm12020177. IF_{roczny}=3.508; IF_{5y}=4.005; Q2; 70 pkt;
108. Pelc-Kłopotowska M, Płoski R, Szczaluba K, **Szymańska K**, Rydzanicz M, Purchla-Szepiolo S, Kolasińska K, Lewicka M, Thornton N, Crew VK, Orzińska A, Guz: A novel KEL c.1414-1G>T allele in a polish patient with anti-Ku antibody. *Transfusion* 2022;62(9):E43-E44. doi.org/10.1111/trf.17040. IF_{roczny}=3.337; IF_{5y}=3.002; Q3; 100 pkt;
109. **Piwkowska A**, Zdrojewski Ł, Heleniak Z, Dębska-Ślizień A: Novel markers in diabetic kidney disease-current state and perspectives. *Diagnostics (Basel)* 2022;12(5):1205. doi:10.3390/diagnostics12051205. IF_{roczny}=3.992; IF_{5y}=4.129; Q2; 70 pkt;
110. **Pluta R**, Furmaga-Jabłońska W, **Januszewski S**, Czuczwar SJ: Post-ischemic brain neurodegeneration in the form of Alzheimer's disease proteinopathy: Possible therapeutic role of curcumin. *Nutrients* 2022;14:248. doi.org/10.3390/nu14020248. IF_{roczny}=6.706; IF_{5y}=7.185; Q1; 140 pkt;
111. **Pluta R**, Jabłoński M, **Januszewski S**, Czuczwar SJ. Crosstalk between the aging intestinal microflora and the brain in ischemic stroke. *Front Aging Neurosc.* 2022;14:998049. doi: 10.3389/fnagi.2022.998049. IF_{roczny}=5.702; IF_{5y}=6.223; Q2; 100 pkt;
112. **Pluta R, Januszewski S**, Czuczwar SJ: Molecular hydrogen neuroprotection in post-ischemic neurodegeneration in the form of Alzheimer's disease proteinopathy: Underlying mechanisms and potential for clinical implementation – Fantasy or reality? *Int J Mol Sci* 2022;23:6591. doi:10.3390/ijms23126591. IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;
113. **Pluta R, Januszewski S**, Jabłoński M: Acetylated tau protein: a new piece in the puzzle between brain ischemia and Alzheimer's disease. *Int J Mol Sci* 2022;23:9174. doi:10.3390/ijms23169174. IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;
114. **Pluta R**, Kiś J, **Januszewski S**, Jabłoński M, Czuczwar SJ: Cross-talk between amyloid, tau protein and free radicals in post-ischemic brain neurodegeneration in the form of Alzheimer's disease proteinopathy. *Antioxidants (Basel)* 2022;11:146. doi:10.3390/antiox11010146. IF_{roczny}=7.675; IF_{5y}=7.886; Q1; 100 pkt;
115. **Pluta R**: Alzheimer's disease connected genes in the post-ischemic hippocampus and temporal cortex. *Genes (Basel)* 2022;13:1059. doi:10.3390/genes13061059. IF_{roczny}=4.141; IF_{5y}=4.474; Q2; 100 pkt;
116. **Pluta R**: Brain ischemia as a bridge to Alzheimer's disease. *Neural Regen Res* 2022;17:791-792. doi:10.4103/1673-5374.322453. IF_{roczny}=6.058; IF_{5y}=4.725; Q2; 70 pkt;
117. **Pluta R**: Ischemic brain neurodegeneration. *Int J. Mol Sci* 2022;23: 6441. IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;
118. Platek R, **Rogujski P**, Mazuryk J, Wiśniewska MB, Kaczmarek L, Czupryn A: Impaired generation of transit-amplifying progenitors in the adult subventricular zone of cyclin D2 knockout mice. *Cells* 2022;11(1):135. doi: 10.3390/cells11010135. IF_{roczny}=7.666; IF_{5y}=7.677; Q2; 140 pkt; 140 pkt;
119. **Popek P, Bobula B, Orzeł-Gajowik K, Zielińska M**: The effect of TGF-β1 reduced functionality on the expression of selected synaptic proteins and electrophysiological parameters: implications of changes observed in acute hepatic encephalopathy. *Int J Mol Sci* 2022;23(3):1081. doi:10.3390/ijms23031081. IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;
120. **Pucko EB, Ostrowski RP**: Inhibiting CK2 among promising therapeutic strategies for gliomas and several other neoplasms. *Pharmaceutics*. 2022;14(2):331. doi:10.3390/pharmaceutics14020331. IF_{roczny}=6.525; IF_{5y}=7.227; Q1; 100 pkt;
121. **Puławski, W.** and W. Dzwolak: Virtual quasi-2D intermediates as building blocks for plausible structural models of amyloid fibrils from proteins with complex topologies: A case study of insulin. *Langmuir* 2022; 38(22):7024–7034. doi:10.1021/acs.langmuir.2c00699 IF_{roczny}=4.331; IF_{5y}=4.209; Q2; 100 pkt;
122. **Puzianowska-Kuznicka M, Kuryłowicz A**, Wierucki L, Owczarek AJ, Jagiello K, Mossakowska M, Zdrojewski T, Chudek J: Obesity in caucasian seniors on the rise: Is it truly harmful? Results of the PolSenior2 study. *Nutrients* 2022;14:4621. doi:10.3390/nu14214621. IF_{roczny}=6.706; IF_{5y}=7.185; Q1; 140 pkt;
123. **Rachubik P, Szejder M, Rogacka D, Typiak M, Audzeyenka I**, Kasztan M, Pollock DM, Angielski S, **Piwkowska A**: Insulin controls cytoskeleton reorganization and filtration barrier permeability via the PKGα-Rac1-RhoA crosstalk in cultured rat podocytes. *Biochim Biophys Acta Mol Cell Res* 2022;1869(9):119301. doi.org/10.1016/j.bbamcr.2022.119301. IF_{roczny}=5.011; IF_{5y}=6.517; Q2; 140 pkt;
124. Radzikowska J, **Czarnecka AM**, Klepacka T, Rychłowska-Pruszyńska M, Raciborska A, Dembowska-Bagińska B, Pronicki M, Kukwa A, Fendler W, Smyczyńska U, Kukwa W, Krzeski A: Cancer stem cell markers in rhabdomyosarcoma in children. *Diagnostics (Basel)* 2022;12(8):1895. doi:10.3390/diagnostics12081895. IF_{roczny}=3.992; IF_{5y}=4.129; Q2; 70 pkt;

125. Rażew A, **Schwarz JN**, Mitkowski P, **Sabala I**, **Kaus-Drobek M**: One fold, many functions-M23 family of peptidoglycan hydrolases. *Front Microbiol* 2022;13:1036964. doi:10.3389/fmicb.2022.1036964. **IF_{roczny}=6.064**; **IF_{5y}=6.843**; **Q1**; 100 pkt;
126. **Redkiewicz P**: The regenerative potential of substance P. *Int J Mol Sci* 2022;23:750. doi:10.3390/ijms23020750. **IF_{roczny}=6.208**; **IF_{5y}= 6.628**; **Q1**; 140 pkt;
127. Rejdak K, Fiedor P, Bonek R, Goch A, Gala-Błądzińska A, Chelstowski W, Łukasiak J, Kiciak S, Dąbrowski P, Dec M, Król ZJ, Papuć E, Zasybska A, Segiet A, **Grieb P**: The use of amantadine in the prevention of progression and treatment of COVID-19 symptoms in patients infected with the SARS-CoV-2 virus (COV-PREVENT): Study rationale and design. *Contemp Clin Trials* 2022;116:106755. doi:10.1016/j.cct.2022.106755. Epub 2022 Apr 4. **IF_{roczny}= 2.261**; **IF_{5y}=2.505**; **Q4**; 100 pkt;
128. **Rogacka D**, **Rachubik P**, **Audzeyenka I**, **Szrejder M**, **Kulesza T**, Myślińska D, Angielski S, **Piwkowska A**: Enhancement of cGMP-dependent pathway activity ameliorates hyperglycemia-induced decrease in SIRT1-AMPK activity in podocytes: impact on glucose uptake and podocyte function. *Biochim Biophys Acta Mol Cell Res* 2022; 1869(12):119362. doi.org/10.1016/j.bbamcr.2022.119362. **IF_{roczny}= 5.011**; **IF_{5y}= 6.517**; **Q2**; 140 pkt;
129. Rogalski M, Pielach M, Cicone A, Zdańkowski P, **Stanaszek L**, Drela K, Patorski K, **Lukomska B**, Trusiak M: Tailoring 2D fast iterative filtering algorithm for low-contrast optical fringe pattern preprocessing. *Opt Lasers Eng* 2022; 155: 107069. doi.org/10.1016/j.optlaseng.2022.107069. **IF_{roczny}=5.666**; **IF_{5y}=5.108**; **Q1**; 140 pkt;
130. Russo C, **Walicka M**, Caponnetto P, Cibella F, Maglia M, Alamo A, Campagna D, Frittitta L, Di Mauro M, Caci G, Krysinski A, **Franeck E**, Polosa R: Efficacy and safety of varenicline for smoking cessation in patients with type 2 diabetes: a randomized clinical trial. *JAMA Netw Open* 2022;5:e2217709. doi:10.1001/jamanetworkopen.2022.17709. **IF_{roczny}=13.360**; **IF_{5y}=13.312**; **Q1**; 20 pkt;
131. **Rzepnikowska W**, Kamińska J, **Kochański A**: Validation of the pathogenic effect of IGHMBP2 gene mutations based on yeast *S. cerevisiae* model. *Int J Mol Sci* 2022;23:9913. doi.org/10.3390/ijms23179913. **IF_{roczny}=6.208**; **IF_{5y}= 6.628**; **Q1**; 140 pkt;
132. Samaei S, Nowacka K, Gerega A, **Pastuszak Ż**, Borycki D: Continuous-wave parallel interferometric near-infrared spectr 13(11) 5753-5774oscopy (CW-pNIRS) with a fast twodimensional camera. *Biomed Opt Express* 2022; 13(11): 5753-5774. doi.org/10.1364/BOE.472643. **IF_{roczny}=3.562**; **IF_{5y}=4.066**; **Q2**; 140 pkt;
133. Setny M, Jankowski P, Kamiński K, Gąsior Z, Haberk M, Czarnecka D, Pająk A, Kozieł P, Szóstak-Janiak K, Sawicka E, Stachurska Z, **Kosior DA**: Secondary prevention of coronary heart disease in Poland: does sex matter? Results from the POLASPIRE survey. *Pol Arch Intern Med* 2022;132(3):16179. doi:10.20452/pamw.16179. **IF_{roczny}=5.218**; **IF_{5y}=3.776**; **Q2**; 140 pkt;
134. Sinnadurai S, Sowa P, Jankowski P, Gąsior Z, Kosior DA, Haberska M, Czarnecka D, Pająk A, Setny M, Jamiolkowski J, Sawicka-Smiarkowska E, Kamiński K: Recollection of physician information about risk factor and lifestyle changes in chronic coronary syndrome patients. *Int J Environ Res Public Health* 2022;19 (11):6416. doi:10.3390/ijerph19116416. **IF_{roczny}=4.614**; **IF_{5y}=4.799**; **Q2**; 70 pkt;
135. **Stupecka-Ziemilska M**, Pierzynowski SG, Szczurek P, Pierzynowska K, Wychowański P, Seklecka B, Koperski M, Starzyńska A, Szkopek D, Donaldson J, Andrzejewski K, Woliński J: Milk formula enriched with sodium butyrate influences small intestine contractility in neonatal pigs. *Nutrients* 2022;14:4301. doi:10.3390/nu14204301. **IF_{roczny}=6.706**; **IF_{5y}=7.185**; **Q1**; 140 pkt;
136. Sobierajski T, Krzywański J, **Mikulski T**, Pokrywka A, **Kryzstofiak H**, Kuchar E: Sports Elite Means Vaccine Elite? Concerns and beliefs related to COVID-19 vaccines among olympians and elite athletes. *Vaccines (Basel)* 2022;10(10):1676. doi:10.3390/vaccines10101676. **IF_{roczny}=4.961**; **IF_{5y}=5.325**; **Q2**; 140 pkt;
137. Soliński M, **Pawlak A**, Petelczyc M, Buchner T, Aftyka J, Gil R, Król ZJ, Żebrowski JJ: Heart rate variability comparison between young males after 4-6 weeks from the end of SARS-CoV-2 infection and controls. *Sci Rep* 2022;12(1):8832. doi:10.1038/s41598-022-12844-8. **IF_{roczny}=4.997**; **IF_{5y}= 5.516**; **Q1**; 140 pkt;
138. Solnik M, Padaszyńska N, **Czarnecka AM**, **Synoradzki KJ**, Yousef YA, Chorągiewicz T, Rejdak R, Toro MD, Zweifel S, Dyndor K, Fiedorowicz M: Imaging of uveal melanoma—current standard and methods in development. *Cancers* 2022;14(13): 3147. doi.org/10.3390/cancers14133147. **IF_{roczny}= 6.575**; **IF_{5y}= 6.886**; **Q1**; 140 pkt;
139. Sowińska M, **Szeliga M**, Morawiak M, **Zabłocka B**, Urbanczyk-Lipkowska Z: Design, synthesis and activity of new N1-Alkyl tryptophan functionalized dendrimeric peptides against glioblastoma. *Biomolecules* 2022;12(8):1116. doi:10.3390/biom12081116. **IF_{roczny}= 6.064**; **IF_{5y}=6.191**; **Q2**; 100 pkt;
140. **Stanaszek L**, **Rogujski P**, Drela K, Fiedorowicz M, Walczak P, **Lukomska B**, Janowski M: Transplantation of human glial progenitors to immunodeficient neonatal mice with amyotrophic lateral sclerosis (SOD1/rag2). *Antioxidants (Basel)* 2022;11(6):1050. doi:10.3390/antiox11061050. **IF_{roczny}=7.675**; **IF_{5y}=7.886**; **Q1**; 100 pkt;
141. Starzyńska A, Wychowański P, Nowak M, Sobocki BK, Jereczek-Fossa BA, **Stupecka-Ziemilska M**: Association between maternal periodontitis and development of systematic diseases in offspring. *Int J Mol Sci* 2022;23:2473. doi:10.3390/ijms23052473. **IF_{roczny}=6.208**; **IF_{5y}= 6.628**; **Q1**; 140 pkt;

142. Stępień J., **Pastuszek Ż**: Electroneurological changes in peripheral nerves in post-COVID patients. *J Neurophysiol* 2022 December 14. doi.org/10.1152/jn.00396.2022. **IF_{roczny}=2.974; IF_{5Y}=3.061; Q3; 70 pkt;**
143. **Strużyńska L, Dąbrowska-Bouta B, Sulkowski G**: Developmental neurotoxicity of silver nanoparticles: the current state of knowledge and future directions. *Nanotoxicology* 2022;16(4):500–525. doi:10.1080/17435390.2022.2105172. **IF_{roczny}=5.881; IF_{5Y}=6.319; Q2; 140 pkt;**
144. **Sulkowski G, Wencel PL, Dąbrowska-Bouta B, Struzynska L, Strosznajder R**: Alterations in the transcriptional profile of genes related to glutamatergic signalling in animal models of Alzheimer's disease. The effect of fingolimod. *Folia Neuropathol* 2022; 60(1):10-23. doi:10.5114/fn.2022.114302. **IF_{roczny}=2.494; IF_{5Y}=1.802; Q4; 70 pkt;**
145. Sypniewski M, Król ZJ, Szyda J, Kaja E, Mroczek M, Suchocki T, Lejman A, Stępień M, Topolski P, Dąbrowski M, Kotlarz K, Aplas A, Wasiak M, Wojtaszewska M, Zawadzki P, **Pawlak A, Gil R, Dobosz P, Stojak J**: Gene variants related to cardiovascular and pulmonary diseases may correlate with severe outcome of COVID-19. *Int J Mol Sci* 2022;23(15):8696. doi:10.3390/ijms23158696. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
146. **Szczepaniak A, Machelak W, Fichna J, Zielińska M**: The role of kappa opioid receptors in immune system – an overview. *Eur J Pharmacol* 2022;933:175214. doi:10.1016/j.ejphar.2022.175214. **IF_{roczny}=5.195; IF_{5Y}=4.721; Q2; 100 pkt;**
147. **Szeliga M, Rola R**: Menadione potentiates auranofin-induced glioblastoma cell death. *Int J Mol Sci* 2022; 23(24):15712. https://doi.org/10.3390/ijms232415712. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
148. **Szeliga M**: Comprehensive analysis of the expression levels and prognostic values of PRDX family genes in glioma. *Neurochem Int* 2022;153:105256. doi:10.1016/j.neuint.2021.105256. Epub 2021 Dec 28. **IF_{roczny}=4.297; IF_{5Y}=4.567; Q2; 100 pkt;**
149. Szostek T, Szulczyk D, Szymanska-Majchrzak J, **Kolinski M**, Kmiecik S, Otto-Slusarczyk D, Zawodnik A, Rajkowska E, Chaniewicz K, Struga M, Roszkowski P: Design and synthesis of menthol and thymol derived ciprofloxacin: influence of structural modifications on the antibacterial activity and anticancer properties. *Int J Mol Sci* 2022 Sept; 23(12): 6600. doi.org/10.3390/ijms23126600. **IF_{roczny}=6.208; IF_{5Y}= 6.628; Q1; 140 pkt;**
150. **Świątkiewicz M, Grieb P**: Citicoline for supporting memory in aging humans. *Aging Dis* 2022. doi:10.14336/AD.2022.0913. **IF_{roczny}=9.968; IF_{5Y}=8.615; Q1; 140 pkt;**
151. **Świątkiewicz M, Gaździński S, Madeyski M, Kossowski B, Langfort J, Bogorodzki P, Zawadzka-Bartczak E, Sklinda K, Walecki J, Grieb P**: Increased brain 1H-MRS glutamate and lactate signals following maximal aerobic capacity exercise in young healthy males: an exploratory study. *Biol Sport* 2023;40(3):665-673. doi.org/10.5114/biolsport.2023.118335. **IF_{roczny}=4.606; IF_{5Y}=3.868; Q1; 140 pkt;**
152. Tarkowska A, Furmaga-Jabłońska W, Bogucki J, Kocki J, **Pluta R**: Hypothermia after perinatal asphyxia does not affect genes responsible for amyloid production in neonatal peripheral lymphocytes. *J Clin Med* 2022;11:3263. doi.org/10.3390/jcm11123263. **IF_{roczny}=4.964; IF_{5Y}=5.098; Q1; 140 pkt;**
153. Timmis A, Vardas P, Townsend N, Torbica A, Katus H, De Smedt D, Gale CP, Maggioni AP, Petersen SE, Huculeci R, Kazakiewicz D, Rubio VB, Ignatiuk B, Raisi-Estabragh Z, **Pawlak A**, Karagiannidis E, Treskes R, Gaita D, Beltrame JF, McConnachie A, Bardinet I, Graham I, Flather M, Elliott P, Mossialos EA, Weidinger F, Achenbach S: European Society of Cardiology: cardiovascular disease statistics 2021: Executive Summary. *Eur Heart J Qual Care Clin Outcomes* 2022;8(4):377-382. doi:10.1093/ehjqcco/qcac014. **IF_{roczny}=7.064; IF_{5Y}=5.564; Q1; 20 pkt;**
154. Timmis A, Vardas P, Townsend N, Torbica A, Katus H, De Smedt D, Gale CP, Maggioni AP, Petersen SE, Huculeci R, Kazakiewicz D, de Benito Rubio V, Ignatiuk B, Raisi-Estabragh Z, **Pawlak A**, Karagiannidis E, Treskes R, Gaita D, Beltrame JF, McConnachie A, Bardinet I, Graham I, Flather M, Elliott P, Mossialos EA, Weidinger F, Achenbach S: Atlas Writing Group, European Society of Cardiology. European Society of Cardiology: cardiovascular disease statistics 2021. *Eur Heart J* 2022;43(8):716-799. doi:10.1093/eurheartj/ehab892. **IF_{roczny}=35.855; IF_{5Y}=33.035; Q1; 200 pkt;**
155. Toczyłowska B, **Zieminska E, Polowy R, Olszynski KH, Lazarewicz JW**: NMR-based metabolomics of rat hippocampus, serum, and urine in two models of autism. *Mol Neurobiol* 2022;59(9):5452-5475. doi:10.1007/s12035-022-02912-5. Epub 2022 Jun 17. **IF_{roczny}=5.686; IF_{5Y}=5.576; Q2; 100pkt;**
156. Toczyłowska B, **Zieminska E**, Podlecka-Pietowska A, Ruszczynska A, Chalimoniuk M: Serum metabolic profiles and metal levels of patients with multiple sclerosis and patients with neuromyelitis optica spectrum disorders - NMR spectroscopy and ICP-MS studies. *Mult Scler Relat Disord* 2022; 60:103672. doi:10.1016/j.msard.2022.103672. **IF_{roczny}=; IF_{5Y}=; Q2; 100 pkt;**
157. Trochimczuk M, **Gewartowska M, Stańczyk M**: Endovascular treatment of a giant splenic artery aneurysm. *Pol Arch Intern Med* 2022;132(3):16180. doi:10.20452/pamw.16180. Epub 2021 Dec 22. **IF_{roczny}=5.218; IF_{5Y}=3.776; Q2; 140 pkt;**

158. **Typiak M, Audzeyenka I, Dubaniewicz A:** Presence and possible impact of Fcγ receptors on resident kidney cells in health and disease. *Immunol Cell Biol* 2022;100(8):591-604. doi:10.1111/imcb.12570. **IF_{roczny}=5.853; IF_{5y}=5.007; Q2; 140 pkt;**
159. Vivacqua G, Mason M, De Bartolo MI, **Węgrzynowicz M**, Calò L, Belvisi D, Suppa A, Fabbrini G, Berardelli A, Spillantini M. Salivary α-Synuclein RT-QulC correlates with disease severity in de novo Parkinson's disease. *Mov Disord* 2022, Online ahead of print. doi:10.1002/mds.29246. **IF_{roczny}=9.698; IF_{5y}=9.956; Q1; 140pkt;**
160. **Walicka M**, Russo C, Baxter M, John I, Caci G, Polosa R: Impact of stopping smoking on metabolic parameters in diabetes mellitus: a scoping review. *World J Diabetes* 2022;13:422-433. doi:10.4239/wjd.v13.i6.422. **IF_{roczny}=4.560; IF_{5y}=5.370; Q2; 100 pkt;**
161. **Walkowska A, Gawrys O**, Cervenka L, **Kompanowska-Jezierska E:** Effects of renal nerves and plasma epoxyeicosatrienoic acids on blood pressure, renal hemodynamics and excretion in spontaneously hypertensive rats. *J Physiol Pharmacol* 2022;73(2). doi:10.26402/jpp.2022.2.12. **IF_{roczny}=2.589; IF_{5y}=2.713; Q3; 100 pkt;**
162. Wawro B, Nieznanska H, Nieznanski K, **Gruszczynska-Biegala J**, Stepkowski D, Strzelecka-Golaszewska H. Mechanisms of the modulation of actin-myosin interactions by A1-type myosin light chains. *Biochim Biophys Acta Gen Subj* 2022;1866(6):130132. doi:10.1016/j.bbagen.2022.130132. **IF_{roczny}=4.117; IF_{5y}=4.202; Q3; 100 pkt;**
163. Witkowska E, Godlewska M, Osiejuk J, Gałarz S, Wileńska B, Kosińska K, Starnowska-Sokół J, Piotrowska A, **Lipiński PFJ, Matalińska J, Dyniewicz J**, Halik PK, Gniazdowska E, Przewłocka B, **Misicka A:** Bifunctional opioid/melanocortin peptidomimetics for use in neuropathic pain: variation in the type and length of the linker connecting the two pharmacophores. *Int J Mol Sci* 2022;23: 674. doi:10.3390/ijms23020674. **IF_{roczny}=6.208; IF_{5y}=6.628; Q1; 140 pkt;**
164. **Wojtyniak P, Boratynska-Jasinska A, Serwach K, Gruszczynska-Biegala J, Zablocka B**, Jaworski J, **Kawalec M.** Mitofusin 2 integrates mitochondrial network remodelling, mitophagy and renewal of respiratory chain proteins in neurons after oxygen and glucose deprivation. *Mol Neurobiol* 2022;59(10):6502-6518. doi.org/10.1007/s12035-022-02981-6. **IF_{roczny}=5.686; IF_{5y}=; Q; 100 pkt;**
165. Wysocka A, Łęźniak Ł, Jagielska E, **Sabała I:** Electrostatic Interaction with the bacterial cell envelope tunes the lytic activity of two novel peptidoglycan hydrolases. *Microbiol Spectr* 2022;10(3):e0045522. doi:10.1128/spectrum.00455-22. **IF_{roczny}=9.043; IF_{5y}=8.113; Q1; 100 pkt;**
166. Xin Y, Chen J, Zhang H, **Ostrowski RP**, Liang Y, Zhao J, Xiang X, Liang F, Fu W, Huang H, Wu X, Su J, Deng J, He Z: Dexras1 induces dysdifferentiation of oligodendrocytes and myelin injury by inhibiting the cAMP-CREB pathway after subarachnoid hemorrhage. *Cells* 2022;11(19):2976. doi:10.3390/cells11192976. **IF_{roczny}=7.666; IF_{5y}=7.677; Q2; 140 pkt;**
167. Yang W, Akhtar S, **Franek E**, Haluzík M, Hirose T, Kalyanam B, Kar S, Wu T, Gogas Yavuz D, Unnikrishnan AG: Postprandial glucose excursions in Asian versus non-Asian patients with type 2 diabetes: a post hoc analysis of baseline data from phase 3 randomised controlled trials of IDegAsp. *Diabetes Ther* 2022;13:311-323. doi:10.1007/s13300-021-01196-7. **IF_{roczny}=3.605; IF_{5y}=3.706; Q3; 100 pkt;**
168. **Zaleska MT**, Waldemar L Olszewski, Natalia E Krzesniak: Lower limb lipedema-superficial lymph flow, skin water concentration, skin and subcutaneous tissue elasticity. *Lymphat Res Biol* 2022 Jun 8. Online ahead of print. doi:10.1089/lrb.2022.0010. **IF_{roczny}=2.349; IF_{5y}=2.284; Q4; 70 pkt;**
169. Zaworski K, Woliński J, **Słupecka-Ziemilska M**, Pierzynowski S, Pierzynowska K: Pre-digestion of the lipids in infant formula affects gut maturation of the preterm pig. *PLoS One* 2022;17:e0265144. doi:10.1371/journal.pone.0265144. **IF_{roczny}=3.752; IF_{5y}=4.069; Q2; 100 pkt;**
170. **Zayat V**, Szlendak R, Hoffman-Zacharska D: Concise Review: Stem cell models of SCN1A-7 related encephalopathies-current perspective and future therapies. *Cells* 2022;11(19):3119. doi:10.3390/cells11193119. **IF_{roczny}=7.666; IF_{5y}=7.677; Q2; 140 pkt;**
171. **Ziabska K, Gargas J, Sypecka J, Ziemka-Nalecz M:** The impact of the histone deacetylase inhibitor sodium butyrate on microglial polarization after oxygen and glucose deprivation. *Pharmacol Rep* 2022;74(5):909-919. doi:10.1007/s43440-022-00384-x. **IF_{roczny}=3.919; IF_{5y}=3.472; Q2; 100 pkt;**
172. Ziai Y, Petronella F, Rinoldi, C, Nakielski P, Zakrzewska A, Kowalewski TA, Augustyniak W, Li X, Calogero A, **Sabała I**, Ding B, De Sio L & Pierini F: Chameleon-inspired multifunctional plasmonic nanoplatfoms for biosensing applications. *NPG Asia Mater* 2022;14:18. doi:org/10.1038/s41427-022-00365-9. **IF_{roczny}=10.761; IF_{5y}=10.990; Q1; 140 pkt;**
173. **Zielińska M, Albrecht J, Poppek M:** Dysregulation of astrocytic glutamine transport in acute hyperammonemic brain edema. *Front Neurosci* 2022;16:874750. doi:10.3389/fnins.2022.874750. **IF_{roczny}=5.152; IF_{5y}=5.582; Q2; 100 pkt;**