

## Publications in 2021

Comments:

**Undelined name** – author whose publication contributes to MMRI PAS

\* - corresponding author

^ - equal authors

## Papers published in journals listed in Journal Citation Reports

### Papers published in 2020

1. Adamska-Tomaszewska D, Wajda J, Wyskida K, Bednarczyk D, Świat M, Owczarek AJ, **Puzianowska-Kuźnicka M**, Olszanecka-Glinianowicz M, Chudek J: Higher serum-soluble  $\alpha$ -Klotho level does not predict longer survival after stroke. *BioMed Res Int* 2020;9283651. doi: 10.1155/2020/9283651. **IF<sub>2020</sub>=3.411; IF<sub>5Y</sub>=3.620; Q2; 70 pkt;**

### Papers published in 2021

2. Adamczyk JG\*, Safranow K, Gajewski AK, Boguszewski D, Ciężczyk P, Wilk M, Sozański H, Sołtyszewski I, **Peplowska B**, Siewierski M, **Żekanowski C**: The second-to-fourth digit ratio (2D:4D) in male combat athletes is associated with choice of sport. *J Hum Kinet* 2021 Mar 31;78:59-66. doi: 10.2478/hukin-2020-0083. eCollection 2021 Mar. **IF<sub>2020</sub>=2.193; IF<sub>5Y</sub>=2.448; Q3; 140 pkt;**
3. **Andrzejewska A, Dabrowska S, Lukomska B, Janowski M\***: Mesenchymal stem cells for neurological disorders. *Adv Sci (Weinh)* 2021 Feb 24;8(7):2002944. doi: 10.1002/adv.2002944. eCollection 2021 Apr. (review) **IF<sub>2020</sub>=16.806; IF<sub>5Y</sub>=17.835; Q1; 200 pkt;**
4. **Audzeyenka I\***, Bierżyńska A, Lay AC: Podocyte bioenergetics in the development of diabetic nephropathy: the role of mitochondria. *Endocrinology* 2022 Jan 1;163(1):bqab234. doi: 10.1210/endocr/bqab234. Epub 2021 Nov 16. (review) **IF<sub>2020</sub>=4.736; IF<sub>5Y</sub>=4.809; Q1; 200 pkt;**
5. **Audzeyenka I\***, **Rachubik P, Typiak M, Kulesza T**, Topolewska A, Rogacka D, **Angielski S**, Saleem MA, **Piwkowska A**: Hyperglycemia alters mitochondrial respiration efficiency and mitophagy in human podocytes. *Exp Cell Res* 2021 Oct 1;407(1):112758. doi: 10.1016/j.yexcr.2021.112758. Epub 2021 Aug 23. **IF<sub>2020</sub>=3.905; IF<sub>5Y</sub>=4.121; Q2; 100 pkt;**
6. **Audzeyenka I, Rogacka D, Rachubik P, Typiak M**, Rychłowski M, **Angielski S, Piwkowska A\***: The PKG $\alpha$ -Rac1 pathway is a novel regulator of insulin-dependent glucose uptake in cultured rat podocytes. *J Cell Physiol* 2021 Jun;236(6):4655-4668. doi: 10.1002/jcp.30188. Epub 2020 Nov 26. **IF<sub>2020</sub>=6.384; IF<sub>5Y</sub>=5.988; Q2; 100 pkt;**
7. Badaczewska-Dawid A, Kmieciak S, **Koliński M\***: Docking of peptides to GPCRs using a combination of CABS-dock with FlexPepDock refinement. *Brief Bioinform* 2021 May 20;22(3):bbaa109. doi: 10.1093/bib/bbaa109. **IF<sub>2020</sub>=11.622; IF<sub>5Y</sub>=10.288; Q1; 140 pkt;**
8. Bajaj HS, Gerstein HC, Rao-Melacini P, Basile J, Colhoun H, Conget I, Cushman WC, Dagenais GR, **Franek E**, Hanefeld M, Keltai M, Lakshmanan M, Lanas F, Leiter LA, Lopez-Jaramillo P, Pirags V, Pogossova N, Probstfield J, Raubenheimer P, Ryden L, Shaw JE, Sheu WH, Xavier D: Erectile function in men with type 2 diabetes treated with dulaglutide: an exploratory analysis of the REWIND placebo-controlled randomised trial. *Lancet Diabetes Endocrinol* 2021 Aug;9(8):484-490. doi: 10.1016/S2213-8587(21)00115-7. Epub 2021 Jun 18. PMID: 34153269. (clinical trial). **IF<sub>2020</sub>=32.069; IF<sub>5Y</sub>=29.793; Q1; 200 pkt;**
9. **Baranowska I, Gawrys O, Roszkowska-Chojecka MM, Bądzynska B**, Tymecka D, **Olszynski KH, Kompanowska-Jeziarska E\***: Chymase dependent pathway of angiotensin II generation and rapeseed derived peptides for antihypertensive treatment of spontaneously hypertensive rats. *Front Pharmacol* 2021 May 17;12:658805. doi: 10.3389/fphar.2021.658805. eCollection 2021. **IF<sub>2020</sub>=5.811; IF<sub>5Y</sub>=6.006; Q1; 100 pkt;**
10. **Baranowska I, Gawrys O, Walkowska A, Olszynski KH**, Červenka L, Falck JR, Adebisi AM, Imig JD, **Kompanowska-Jeziarska EH\***: Epoxyeicosatrienoic acid analog (EET-A) and 20-HETE antagonist (AAA) combination prevent hypertension development in spontaneously hypertensive rats. *Front Pharmacol* 2022 Jan 17;12:798642. doi: 10.3389/fphar.2021.798642. eCollection 2021. **IF<sub>2020</sub>=5.811; IF<sub>5Y</sub>=6.006; Q1; 100 pkt;**
11. **Bądzynska B\***, **Baranowska I, Sadowski J**: Further evidence against the role renal medullary perfusion in short-term control of arterial pressure in normotensive and mildly or overtly hypertensive rats. *Pflugers Archiv* 2021 Apr;473(4):623-631. doi: 10.1007/s00424-021-02534-1. Epub 2021 Mar 2. **IF<sub>2020</sub>=3.657; IF<sub>5Y</sub>=3.768; Q2; 100 pkt;**
12. **Bądzynska B\***, **Sadowski J**: Reinvestigation of the tonic natriuretic action of intrarenal dopamine: comparison of two variants of salt-dependent hypertension and spontaneously hypertensive rats. *Clin Exp Pharmacol Physiol* 2021 Sep;48(9):1280-1287. doi: 10.1111/1440-1681.13529. Epub 2021 Jun 28. **IF<sub>2020</sub>=2.557; IF<sub>5Y</sub>=2.803; Q2; 100 pkt;**

13. **Bądzynska B**, Vaneckova I, **Sadowski J**, Hojná S, **Kompanowska-Jeziarska E\***: Effects of systemic and renal intramedullary endothelin-1 receptor blockade on tissue NO and intrarenal hemodynamics in normotensive and hypertensive rats. *Eur J Pharmacol* 2021 Nov 5;910:174445. doi: 10.1016/j.ejphar.2021.174445. Epub 2021 Sep 4. **IF<sub>2020</sub>=4.432; IF<sub>5Y</sub>=4.014; Q1; 100 pkt;**
14. Beijer D<sup>^</sup>, Kim HJ<sup>^</sup>, Guo L<sup>^</sup>, O'Donovan K, Mademan I, Deconinck T, Van Schil K, Fare CM, Drake LE, Ford AF, **Kochański A**, **Kabzińska D**, Dubuisson N, Van den Bergh P, Voermans NC, Lemmers RJ, van der Maarel SM, Bonner D, Sampson JB, Wheeler MT, Mehrabyan A, Palmer S, De Jonghe P, Shorter J<sup>^</sup>, Taylor JP<sup>^</sup>, Baets J<sup>^</sup>\*: Characterization of HNRNPA1 mutations defines diversity in pathogenic mechanisms and clinical presentation. *JCI Insight* 2021 Jul 22;6(14):e148363. doi: 10.1172/jci.insight.148363. **IF<sub>2020</sub>=8.315; IF<sub>5Y</sub>=8.513; Q1; 40 pkt;**
15. **Berdyński M**, Krawczyk P, Safranow K, **Borzemska B**, Szaflik JP, Nowakowska-Żawrocka K, **Żekanowski C**, Giebułtowski J\*: Common *ALDH3A1* gene variant associated with keratoconus risk in the Polish population. *J Clin Med* 2022;11(1):8. <https://doi.org/10.3390/jcm11010008>. Epub 21 Dec 2021. **IF<sub>2020</sub>=4.242; IF<sub>5Y</sub>=4.567; Q1; 140 pkt;**
16. **Bereśewicz-Haller M<sup>^</sup>**, Krupska O<sup>^</sup>, **Bochomulski P<sup>^</sup>**, Dudzik D, **Chęcińska A**, **Hilgier W**, Barbas C, Zablocki K, **Zablocka B\***: Mitochondrial metabolism behind region-specific resistance to ischemia-reperfusion injury in gerbil hippocampus. Role of PKCβII and phosphate-activated glutaminase. *Int J Mol Sci* 2021;7;22(16):8504. doi: 10.3390/ijms22168504. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
17. Biela M\*, Rydzanicz M, **Szymanska K**, Pieniawska-Smiech K, Lewandowicz-Uszynska A, Chruszcz J, Benben L, Kuzior-Plawiak M, Szyld P, Jakubiak A, Szenborn L, Ploski R, Smigiel R\*: Variants of ATP1A3 in residue 756 cause a separate phenotype of relapsing encephalopathy with cerebellar ataxia (RECA) – report of two cases and literature review. *Mol Genet Genomic Med* 2021 Sep;9(9):e1772. doi: 10.1002/mgg3.1772. Epub 2021 Aug 2. **IF<sub>2020</sub>=2.183; IF<sub>5Y</sub>=2.389; Q3; 70 pkt;**
18. Bil J\*, Modzelewski P, **Pawlak A**, Gil RJ: Balloon aortic valvuloplasty with valver balloon catheter in adults with severe aortic stenosis as a bridge or palliative treatment. *Wiad Lek* 2021;74(7):1622-1627. **IF<sub>2020</sub>=0.300; IF<sub>5Y</sub>=0.227; Q4; 20 pkt;**
19. **Binięda K**, **Rzepnikowska W**, Kolakowski D, Kaminska J, Szczepankiewicz AA, Nieznańska H, **Kochański A**, **Kabzińska D\***: Mutations in *GDAP1* influence structure and function of the trans-Golgi network. *Int J Mol Sci* 2021 Jan 18;22(2):914. doi: 10.3390/ijms22020914. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
20. Boniel S, **Szymańska K**, Śmigiel R, Szczaluba K\*: Kabuki syndrome – clinical review with molecular aspects. *Genes (Basel)* 2021 Mar 25;12(4):468. doi: 10.3390/genes12040468. (review). **IF<sub>2020</sub>=4.096; IF<sub>5Y</sub>=4.339; Q2; 100 pkt;**
21. **Bratek-Gerej E\***, **Bronisz A**, **Ziembowicz A**, **Salinska E**: Pretreatment with mGluR2 or mGluR3 agonists reduces apoptosis induced by hypoxia-ischemia in neonatal rat brains. *Oxid Med Cell Longev* 2021 Mar 6;2021:8848015. doi: 10.1155/2021/8848015. eCollection 2021. **IF<sub>2020</sub>=6.543; IF<sub>5Y</sub>=7.454; Q2; 100 pkt;**
22. **Bratek-Gerej E\***, **Ziembowicz A**, **Godlewski J**, **Salinska E**: The mechanism of the neuroprotective effect of kynurenic acid in the experimental model of neonatal hypoxia-ischemia: the link to oxidative stress. *Antioxidants (Basel)* 2021 Nov 5;10(11):1775. doi: 10.3390/antiox10111775. **IF<sub>2020</sub>=6.313; IF<sub>5Y</sub>=6.649; Q1; 100 pkt;**
23. Broadwell A, Chines A, Ebeling PR, **Franek E**, Huang S, Smith S, Kendler D, Messina O, Miller PD: Denosumab safety and efficacy among participants in the FREEDOM extension study with mild to moderate chronic kidney disease. *J Clin Endocrinol Metab* 2021 Jan 23;106(2):397-409. doi: 10.1210/clinem/dgaa851. Epub 2020 Nov 19. **IF<sub>2020</sub>=5.799; IF<sub>5Y</sub>=BRAK; Q1; 140 pkt;**
24. Caló L, Hidari E, **Wegrzynowicz M**, Dalley JW, Schneider BL, **Podgajna M**, Anichtchik O, Carlson E, Klenerman D, Spillantini MG: CSPα reduces aggregates and rescues striatal dopamine release in asynuclein transgenic mice. *Brain* 2021 Jul 28;144(6):1661-1669. doi: 10.1093/brain/awab076. **IF<sub>2020</sub>=13.501; IF<sub>5Y</sub>=14.250; Q1; 200 pkt;**
25. **Cakala-Jakimowicz M\***, **Kolodziej-Wojnar P**, Puzianowska-Kuznicka M\*: Aging-related cellular, structural and functional changes in the lymph nodes: a significant component of immunosenescence? An overview. *Cells* 2021 Nov 12;10(11):3148. doi: 10.3390/cells10113148. (review). **IF<sub>2020</sub>=6.600; IF<sub>5Y</sub>=6.663; Q2; 140 pkt;**
26. **Cieślik M**, **Gąsowska-Dobrowolska M**, **Zawadzka A**, **Frontczak-Baniewicz M**, **Gewartowska M**, Dominiak A, **Czapski GA\***, **Adamczyk A**: The synaptic dysregulation in adolescent rats exposed to maternal immune activation. *Front Mol Neurosci* 2021 Jan 14;13:555290. doi: 10.3389/fnmol.2020.555290. eCollection 2020. **IF<sub>2020</sub>=5.639; IF<sub>5Y</sub>=5.760; Q1; 140 pkt;**
27. **Czapski GA<sup>^</sup>**, **Babiec L<sup>^</sup>**, **Jęśko H**, **Gąsowska-Dobrowolska M**, **Cieślik M**, **Matuszewska M**, **Frontczak-Baniewicz M**, **Zajdel K**, **Adamczyk A\***: Synaptic alterations in a transgenic model of tuberous sclerosis complex: relevance to autism spectrum disorders. *Int J Mol Sci* 2021 Sep 17;22(18):10058. doi: 10.3390/ijms221810058. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
28. **Czapski GA\***, **Cieślik M**, Białopiotrowicz E, Lukiw WJ, **Strosznajder JB\***: Down-regulation of cyclin D2 in amyloid β toxicity, inflammation, and Alzheimer's disease. *PLoS One* 2021 Nov 18;16(11):e0259740. doi: 10.1371/journal.pone.0259740. eCollection 2021. **IF<sub>2020</sub>=3.240; IF<sub>5Y</sub>=3.788; Q2; 100 pkt;**

29. **Czapski GA\***, **Strosznajder JB\***: Glutamate and GABA in microglia-neuron cross-talk in Alzheimer's disease. *Int J Mol Sci* 2021 Oct 28;22(21):11677. doi: 10.3390/ijms222111677. (review). **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
30. **Dalidowska I**, Gazi O, **Sulejczak D**, Przybylski M, **Bieganowski P\***: Heat shock protein 90 chaperones E1A early protein of adenovirus 5 and is essential for replication of the virus. *Int J Mol Sci* 2021 Feb 18;22(4):2020. doi: 10.3390/ijms22042020. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
31. **Damps T**, Czuwara J\*, Warszwik-Hendzel O, **Misicka A**, Rudnicka L: The role of drugs and selected dietary factors in cutaneous squamous cell carcinogenesis. *Postępy Dermatol Alergol* 2021 Apr;38(2):198-204. doi: 10.5114/ada.2021.106196. Epub 2021 May 22. (review). **IF<sub>2020</sub>=1.837; IF<sub>5Y</sub>=2.081; Q4; 70 pkt;**
32. **Daniluk P**, Oleniecki T, Lesyng B\*: DAMA-a method for computing multiple alignments of protein structures using local structure descriptors. *Bioinformatics* 2021 Aug 16:btab571. doi: 10.1093/bioinformatics/btab571. Online ahead of print. **IF<sub>2020</sub>=6.937; IF<sub>5Y</sub>=8.470; Q1; 200 pkt;**
33. **Dąbrowska K**, **Skowrońska K**, **Popek M**, **Albrecht J**, **Zielińska M\***: The role of Nrf2 transcription factor and Sp1-Nrf2 protein complex in glutamine transporter SN1 regulation in mouse cortical astrocytes exposed to ammonia. *Int J Mol Sci* 2021 Oct 18;22(20):11233. doi: 10.3390/ijms222011233. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
34. **Dąbrowska S**, **Andrzejewska A**, **Janowski M**, **Lukomska B\***: Immunomodulatory and regenerative effects of mesenchymal stem cells and extracellular vesicles: therapeutic outlook for inflammatory and degenerative diseases. *Front Immunol* 2021 Feb 5;11:591065. doi: 10.3389/fimmu.2020.591065. eCollection 2020. (review) **IF<sub>2020</sub>=7.561; IF<sub>5Y</sub>=7.624; Q1; 140 pkt;**
35. **Dąbrowska S**, **Andrzejewska A**, **Kozłowska H**, Strzemecki D, **Janowski M**, **Lukomska B\***: Neuroinflammation evoked by brain injury in a rat model of lacunar infarct. *Exp Neurol* 2021 Feb;336:113531. doi: 10.1016/j.expneurol.2020.113531. Epub 2020 Nov 20. **IF<sub>2020</sub>=5.330; IF<sub>5Y</sub>=5.340; Q2; 140 pkt;**
36. **Dąbrowska-Bouta B<sup>^</sup>**, **Strużyńska L<sup>^</sup>**, **Sidoryk-Węgrzynowicz M**, **Sulkowski G\***: Memantine modulates oxidative stress in the rat brain following experimental autoimmune encephalomyelitis. *Int J Mol Sci* 2021 Oct 20;22(21):11330. doi: 10.3390/ijms222111330. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
37. **Dąbrowska-Bouta B**, **Sulkowski G**, Orzelska-Górka J, **Strużyńska L\***, Kędzińska E, Biała G: Response of immature rats to a low dose of nanoparticulate silver: alterations in behavior, cerebral vasculature-related transcriptome and permeability. *Ecotoxicol Environ Saf* 2021 Jan 15;208:111416. doi: 10.1016/j.ecoenv.2020.111416. Epub 2020 Oct 16. **IF<sub>2020</sub>=6.291; IF<sub>5Y</sub>=6.393; Q1; 100 pkt;**
38. **Dąbrowska-Bouta B<sup>^</sup>**, **Sulkowski G<sup>^</sup>**, **Salek M**, **Frontczak-Baniewicz M**, **Strużyńska L\***: Early and delayed impact of nanosilver on the glutamatergic NMDA receptor complex in immature rat brain. *Int J Mol Sci* 2021 Mar 17;22(6):3067. doi: 10.3390/ijms22063067. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
39. Decker B, **Liput M**, Abdellatif H, Yergeau D, Bae Y, Jornet JM, Stachowiak EK, Stachowiak MK\*: Global genome conformational programming during neuronal development is associated with CTCF and nuclear FGFR1 – the genome archipelago model. *Int J Mol Sci* 2021 Jan;22(1):347. doi: 10.3390/ijms22010347. Epub 2020 Dec 31. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
40. **Domaszewska-Szostek A<sup>^</sup>\***, **Gewartowska M<sup>^</sup>**, Stańczyk M, Narowska B, **Mościcka-Wesołowska M**, **Olszewski WL**: An anhydrous sodium chloride skin preservation model for studies on keratinocytes grafting into the wounds. *Pharmaceutics* 2021;13(12):2078; <https://doi.org/10.3390/pharmaceutics13122078>. **IF<sub>2020</sub>=6.321; IF<sub>5Y</sub>=6.734; Q1; 100 pkt;**
41. **Domaszewska-Szostek AP\***, Krzyżanowska MO, **Czarnecka AM**, Siemionow M: Local treatment of burns with cell-based therapies tested in clinical studies. *J Clin Med* 2021 Jan 21;10(3):396. doi: 10.3390/jcm10030396. (review) **IF<sub>2020</sub>=4.242; IF<sub>5Y</sub>=4.567; Q1; 140 pkt;**
42. **Domaszewska-Szostek A<sup>^</sup>\***, **Puzianowska-Kuźnicka M**, **Kuryłowicz A<sup>^</sup>\***: Flavonoids in skin senescence prevention and treatment. *Int J Mol Sci* 2021 Jun 25;22(13):6814. doi: 10.3390/ijms22136814. (review). **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
43. Drobek N, Sowa P, Jankowski P, Haberka M, Gaśior Z, **Kosior D**, Czarnecka D, Pająk A, Szostak-Janiak K, Krzykwa A, Setny M, Kozieł P, Paniczko M, Jamiołkowski J, Kowalska I, Kamiński K\*: Undiagnosed diabetes and prediabetes in patients with chronic coronary syndromes – An alarming public health issue. *J Clin Med* 2021 May 5;10(9):1981. doi: 10.3390/jcm10091981. **IF<sub>2020</sub>=4.242; IF<sub>5Y</sub>=4.567; Q1; 140 pkt;**
44. **Fichna JP<sup>^</sup>**, Humińska-Lisowska K<sup>^</sup>, Safranow K, Adamczyk JG, Ciężczyk P, **Żekanowski C**, **Berdyński M\***: Rare variant in the SLC6A2 encoding a norepinephrine transporter is associated with elite athletic performance in the Polish population. *Genes (Basel)* 2021 Jun 15;12(6):919. doi: 10.3390/genes12060919. IF 3.759; **IF<sub>2020</sub>=4.096; IF<sub>5Y</sub>=4.339; Q2; 100 pkt;**
45. Fichna M<sup>^</sup>\*, Żurawek M<sup>^</sup>, **Fichna JP**, Ruchała: Overexpression of miR-7977 in CD4+ T cells is associated with multiplex autoimmunity in patients with Addison's disease. *Eur J Endocrinol* 2021 May 28;185(1):145-154. doi: 10.1530/EJE-21-0007. Epub 2021 May 1. <https://pubmed.ncbi.nlm.nih.gov/33960958/>. **IF<sub>2020</sub>=6.664; IF<sub>5Y</sub>=6.341; Q1; 140 pkt;**

46. Fiedorowicz K, Wargocka-Matuszewska W, Ambrożkiewicz KA, Rugowska A, Cheda Ł, **Fiedorowicz M**, Zimna A, **Drabik M**, Borkowski S, **Świątkiewicz M**, Bogorodzki P, **Grieb P**, Hamankiewicz P, Kolanowski TJ, Rozwadowska N, Kozłowska U, Klimczak A, Kolański J, Rogulski Z, Kurpisz M\*: Molecular imaging of human skeletal myoblasts (huSKM) in mouse post-infarction myocardium. *Int J Mol Sci* 2021 Oct 8;22(19):10885. doi: 10.3390/ijms221910885. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
47. **Fiedorowicz M**, Chorągiewicz T, Turski WA, Kocki T, Nowakowska D, Wertek K, Kamińska A, Avitabile T, **Wetnik-Kaminska M**, **Grieb P**, Zweifel S, Rejdak R, Toro MD\*: Tryptophan pathway abnormalities in a murine model of hereditary glaucoma. *Int J Mol Sci* 2021 Jan 21;22(3):1039. doi: 10.3390/ijms22031039. **IF<sub>2020</sub>=5.924; IF<sub>5Y</sub>=6.132; Q1; 140 pkt;**
48. **Fiedorowicz M\***, Wieteska M, Rylewicz K, B. Kossowski B, Piatkowska-Janko E, **Czarnecka AM**, Toczyłowska B, Bogorodzki P: Hyperpolarized <sup>13</sup>C tracers: Technical advancements and perspectives for clinical applications. *Biocybernetics Biomedical Engineering* 2021 Oct-Dec;41(4):1466-1485. <https://doi.org/10.1016/j.bbe.2021.03.010> (review) **IF<sub>2020</sub>=4.314; IF<sub>5Y</sub>=3.517; Q2; 140 pkt;**
49. **Figiel-Dabrowska A**, **Radoszkiewicz K**, **Rybowska P**, Krzesniak NE, **Sulejczak D**, **Sarnowska A\***: Neurogenic and neuroprotective potential of stem/stromal cells derived from adipose tissue. *Cells* 2021 Jun 11;10(6):1475. doi: 10.3390/cells10061475. **IF<sub>2020</sub>=6.600; IF<sub>5Y</sub>=6.663; Q2; 140 pkt;**
50. Frączek K, Kowalczyk A, Pekala M, Kasarello K, Sygitowicz G, **Sulejczak D**, Zaremba M, Konop M, Frankowska M, Filip M, Bujalska-Zadrozny M, Kleczkowska P\*: The positive and negative outcome of morphine and disulfiram subacute co-administration in rats in the absence of ethanol challenge. *Pharmaceutics* 2021 Jan;13(1):29. doi: 10.3390/pharmaceutics13010029. Epub 2020 Dec 26. **IF<sub>2020</sub>=6.321; IF<sub>5Y</sub>=6.734; Q1; 100 pkt;**
51. Frederiksen KS, Nielsen TR, Appollonio I, Andersen BB, Riverol M, Boada M, Ceccaldi M, Dubois B, Engelborghs S, Frölich L, Hausner L, Gabelle A, **Gabryelewicz T**, Grimmer T, Hanseeuw B, Hort J, Hugon J, Jelic V, Koivisto A, Kramberger MG, Lebouvier T, Lleó A, de Mendonça A, Nobili F, Ousset PJ, Perneczky R, Olde Rikkert M, Robinson D, Rouaud O, Sánchez E, Santana I, Scarmeas N, Sheardova K, Sloan S, Spuru L, Stefanova E, Traykov L, Yener G, Waldemar G: Biomarker counseling, disclosure of diagnosis and follow-up in patients with mild cognitive impairment: A European Alzheimer's disease consortium survey. *Int J Geriatr Psychiatry* 2021 Feb;36(2):324-333. doi: 10.1002/gps.5427. Epub 2020 Sep 16. **IF<sub>2020</sub>=3.485; IF<sub>5Y</sub>=3.941; Q2; 100 pkt;**
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