Research/art/teacher profile of a person

Name and surname	prof. RNDr. Peter Račay, PhD.
Document type:	Research/art/teacher profile of a person
The name of the university	Comenius University Bratislava
The seat of the university	Šafárikovo námestie 6, 818 06 Bratislava
The name of the faculty	Jessenius Faculty of Medicine in Martin
The seat of the faculty	Malá Hora 10701/4A, 03601 Martin

I. - Basic information

I.1 - Surname	Racay
I.2 - Name	Peter
I.3 - Degrees	prof., Dr., Ph.D
I.4 - Year of birth	1961
I.5 - Name of the workplace	Department of Medical Biochemistry JFM CU
I.6 - Address of the workplace	Mala Hora 4D, 036 01 Martin
I.7 - Position	professor
I.8 - E-mail address	peter.racay@uniba.sk
I.9 - Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/3564
I.10 - Name of the study field in which a person works at the university	Medical, clinical and pharmaceutical biochemistry
I.11 - ORCID iD	0000-0003-2166-1556

II. - Higher education and further qualification growth

II.1 - First degree of higher education

II.2 - Second degree of higher education

II.a - Name of the university or institution	Faculty of Natural Sciences CU
II.b - Year	1986
II.c - Study field and programme	Nuclear Chemistry

II.3 - Third degree of higher education

II.a - Name of the university or institution	Jessenius Faculty of Medicine CU
II.b - Year	1998
II.c - Study field and programme	Biochemistry

II.4 - Associate professor

II.a - Name of the university or institution	Faculty of Natural Sciences CU
II.b - Year	2004
II.c - Study field and programme	Biochemistry

II.5 - Professor

II.a - Name of the university or institution	Jessenius Faculty of Medicine CU
II.b - Year	2015
II.c - Study field and programme	Medical, Clinical and Pharmaceutical Biochemistry

II.6 - Doctor of Science (DrSc.)

III. - Current and previous employment

III.a - Occupation-position	III.b - Institution	III.c - Duration
Research Associate	Faculty of Natural Science CU	1987 - 1992
PhD student	Jessenius Faculty of Medicine CU	1992 - 1994
Assistent professor	Jessenius Faculty of Medicine CU	1994 - 1998
Assistent	University of Fribourg, Switzerland	1998 - 2002
Assistent professor	Jessenius Faculty of Medicine CU	2002 - 2004
Associated Professor	Jessenius Faculty of Medicine CU	2005 - 2015
Professor	Jessenius Faculty of Medicine CU	2015 - present

IV. - Development of pedagogical, professional, language, digital and other skills

IV.a - Activity description, course name, other	IV.b - Name of the institution	IV.c - Year
Summer school of molecular biology	University of Copenhagen, Denmark	1994

V. - Overview of activities within the teaching career at the university

V.1 - Overview of the profile courses taught in the current academic year according to study programmes

V.1.a - Name of the profile course	V.1.b - Study programme	V.1.c - Degree	V.1.d - Field of study
Medical Chemistry 1	General Medicine	I. + II.	General Medicine
Medical Chemistry 2	General Medicine	I. + II.	General Medicine
Medical Biochemistry 1	General Medicine	I. + II.	General Medicine
Medical Biochemisty 2	General Medicine	I. + II.	General Medicine
Medical chemistry for Dental Medicine	Dentistry, Dental Medicine	I. + II.	Dentistry, Dental Medicine
Medical Biochemistry for Dental Medicine 1	Dentistry, Dental Medicine	I. + II.	Dentistry, Dental Medicine
Medical Biochemistry for Dental Medicine 2	Dentistry, Dental Medicine	I. + II.	Dentistry, Dental Medicine
Biochemistry 1	Biochemistry	III.	General Medicine
Biochemistry 2	Biochemistry	III.	General Medicine

V.3 - Overview of the responsibility for the development and quality of the field of habilitation procedure and inaugural procedure in the current academic year

V.3.a - Name of the field of habilitation procedure and inaugural procedure	V.3.b - Study field to which it is assigned
Medical, clinical and pharmaceutical biochemistry.	General medicine.

V.4 - Overview of supervised final theses	
V.4.1 - Number of currently supervised theses	
V.4.b - Diploma (second degree)	0
V.4.c - Dissertation (third degree)	3
V.4.2 - Number of defended theses	
V.4.b - Diploma (second degree)	6
V.4.c - Dissertation (third degree)	10

VI. - Overview of the research/artistic/other outputs

VI.1 - Overview of the research/artistic/other outputs and the corresponding citations

VI.1.1 - Number of the research/artistic/other outputs	
VI.1.a - Overall	158
VI.1.b - Over the last six years	45
VI.1.2 - Number of the research/artistic/other outputs registered in the Web of Science or Scopus databases	
VI.1.a - Overall	101
VI.1.b - Over the last six years	29
VI.1.3 - Number of citations corresponding to the research/artistic/other outputs	
VI.1.a - Overall	2168
VI.1.b - Over the last six years	854
VI.1.4 - Number of citations registered in the Web of Science or Scopus databases	
VI.1.a - Overall	2027
VI.1.b - Over the last six years	837
VI.1.5 - Number of invited lectures at the international, national level	
VI.1.a - Overall	6
VI.1.b - Over the last six years	1

VI.2 - The most significant research/artistic/other outputs

1	Chen, Gaoping - Racay, Peter - Bichet, Sandrine - Celio, Marco R. - Eggli, Peter - Schwaller, Beat: Deficiency in parvalbumin, but not in calbindin D-28k upregulates mitochondrial volume and decreases smooth endoplasmic reticulum surface selectively in a peripheral, subplasmalemmal region in the soma of Purkinje cells In: Neuroscience. - Roč. 142, č. 1 (2006), s. 97-105. - ISSN 0306-4522 Magazine indicator: IF (JCR) 2006=3,422
2	Racay, Peter - Gregory, Patrick - Schwaller, Beat: Parvalbumin deficiency in fast-twitch muscles leads to increased 'slow-twitch type' mitochondria, but does not affect the expression of fiber specific proteins In: FEBS Journal. - Roč. 273, č. 1 (2006), s. 96-108. - ISSN 1742-464X Magazine indicator : IF (JCR) 2006=3,033
3	Racay, Peter - Tatarkova, Zuzana - Chomova, Maria - Hatok, Jozef - Kaplan, Peter - Dobrota, Dusan: Mitochondrial calcium transport and mitochondrial dysfunction after global brain ischemia in rat hippocampus In: Neurochemical Research. - Roc. 34, č. 8 (2009), s. 1469-1478. - ISSN 0364-3190 Magazine indicator : IF (JCR) 2009=2,722
4	Pilchova, Ivana - Klacanova, Katarina - Tatarkova, Zuzana - Kaplan, Peter - Racay, Peter: The Involvement of Mg2+ in Regulation of Cellular and Mitochondrial Functions In: Oxidative Medicine and Cellular Longevity - Roc. 2017 (2017), nestr. [8 s.], art. no. 6797460. - ISSN 1942-0994 Magazine indicator : IF (JCR) 2017=4,936

5	Baranovicova, Eva - Galanda, Tomas - Galanda, Miroslav - Hatok, Jozef - Kolarovszki, Branislav - Richterova, Romana - Racay, Peter: Metabolomic profiling of blood plasma in patients with primary brain tumours: Basal plasma metabolites correlated with tumour grade and plasma biomarker analysis predicts feasibility of the successful statistical discrimination from healthy subjects - a preliminary study. In: IUBMB Life - Roč. 71, č. 12 (2019), s. [1-9] [print]. - ISSN (print) 1521-6543 Magazine indicator : SJR (SCOPUS) 2019=1.001 SNIP (SCOPUS) 2019=0.844 CiteScore (SCOPUS) 2019=4.4 IF (JCR) 2019=3,244 Kvartil Q: wos-jcr -- Q2 [Biochemistry & molecular biology] -- 2019 wos-jcr -- Q3 [Cell biology] -- 2019 scimago-sjr -- Q1 [Clinical biochemistry] -- 2019 scimago-sjr -- Q2 [Biochemistry] -- 2019 scimago-sjr -- Q2 [Genetics] -- 2019 scimago-sjr -- Q2 [Molecular biology] -- 2019 scimago-sjr -- Q3 [Cell biology] -- 2019

VI.3 - The most significant research/artistic/other outputs over the last six years

1	Pilchova, Ivana - Klacanova, Katarina - Tatarkova, Zuzana - Kaplan, Peter - Racay, Peter: The Involvement of Mg2+ in Regulation of Cellular and Mitochondrial Functions In: Oxidative Medicine and Cellular Longevity - Roc. 2017 (2017), nestr. [8 s.], art. no. 6797460. - ISSN 1942-0994
2	Baranovicova, Eva - Galanda, Tomas - Galanda, Miroslav - Hatok, Jozef - Kolarovszki, Branislav - Richterova, Romana - Racay, Peter: Metabolomic profiling of blood plasma in patients with primary brain tumours: Basal plasma metabolites correlated with tumour grade and plasma biomarker analysis predicts feasibility of the successful statistical discrimination from healthy subjects - a preliminary study. In: IUBMB Life - Roc. 71, č. 12 (2019), s. [1-9] [print]. - ISSN (print) 1521-6543 Responses (8):
3	Klacanova, Katarina - Kovalska, Maria - Chomová, Maria - Pilchova, Ivana - Tatarkova, Zuzana - Kaplan, Peter - Racay, Peter: Global brain ischemia in rats is associated with mitochondrial release and downregulation of Mfn2 in the cerebral cortex, but not the hippocampus. In: International Journal of Molecular Medicine. - Roc. 43, č. 6 (2019), s. 2420-2428. - ISSN (print) 1107-3756 Magazine indicator : SJR (SCOPUS) 2019=0,882 SNIP (SCOPUS) 2019=0,863 CiteScore (SCOPUS) 2019=4,8 IF (JCR) 2019=3,098 Kvartil Q: scimago-sjr -- Q1 [Medicine (miscellaneous)] -- 2019 scimago-sjr -- Q2 [Genetics] -- 2019 wos-jcr -- Q3 [Medicine, research & experimental] -- 2019
4	Dibdiakova, Katarina - Saksonova, Simona - Pilchova, Ivana - Klacanova, Katarina - Tatarkova, Zuzana - Racay, Peter: Both thapsigargin- and tunicamycin-induced endoplasmic reticulum stress increases expression of Hrd1 in IRE1-dependent fashion. In: Neurological Research [elektronický dokument]. - Roc. 41, č. 2 (2019), s. 177-188 [print] 0161-6412 Magazine indicator : SJR (SCOPUS) 2018=0,111 SNIP (SCOPUS) 2018=0,071 CiteScore (SCOPUS) 2018=0,7 *Kvartil Q:* scimago-sjr -- Q4 [Neuroscience (miscellaneous)] -- 2018

5	Brodnanova, Maria - Hatokova, Zuzana - Evinova, Andrea - Cibulka, Michal - Racay, Peter: Differential impact of imipramine on thapsigargin- and tunicamycin-induced endoplasmic reticulum stress and mitochondrial dysfunction in neuroblastoma SH-SY5Y cells. In: European Journal of Pharmacology - Roc. 902 (2021), s. [1-7], art. no. 74073 [print]. - ISSN (print) 0014-2999 Registered in: wos Magazine indicator : SJR (SCOPUS) 2020=1.046 SNIP (SCOPUS) 2020=1.003 CiteScore (SCOPUS) 2020=5.8 IF (JCR) 2020=4.432 Kvartil Q: wos-jcr -- Q2 [Pharmacology & pharmacy] -- 2020 scimago-sjr -- Q1 [Pharmacology] -- 2020

VI.4 - The most significant citations corresponding to the research/artistic/other outputs

1	Chen, Gaoping - Račay, Peter - Bichet, Sandrine - Celio, Marco R. - Eggli, Peter - Schwaller, Beat: Deficiency in parvalbumin, but not in calbindin D-28k upregulates mitochondrial volume and decreases smooth endoplasmic reticulum surface selectively in a peripheral, subplasmalemmal region in the soma of Purkinje cells In: Neuroscience. - Roč. 142, č. 1 (2006), s. 97-105. - ISSN 0306-4522 IF (JCR) 2006=3,422 Registered (16): [o1] 2008 Grabs, D. - Escher, L. - Bergmann, M.: Expression of SV2 in the developing ... In: Anatomical Record, roč. 291, č. 5, 2008, s. 538-549 - SCI ; SCOPUS [o1] 2008 Reznikov, L. R. - Reagan, L. P. - Fadel, J. R.: Activation of phenotypicalla distinct ... In: Journal of Comparative Neurology, roč. 508, č. 3, 2008, s. 458-472 - SCI ; SCOPUS [o1] 2008 McGrath, J. - Iwazaki, T. - Eyles, D. - Burne, T. - Cui, X. - Ko, P. - Matsumoto, I.: Protein expression in the nucleus ... In: PLos ONE, roč. 3, č. 6, 2008, s. e2383 - SCOPUS [o1] 2010 Chablais, F. - Jazwinska, A.: Development, roč. 137, č. 6, 2010, s. 871-879 - SCI ; SCOPUS [o1] 2010 Lucas, E. K. - Markwardt, S. J. - Gupta, S. - Meador-Woodruff, J. H. - Lin, J. D. - Overstreet-Wadiche, L. - Cowell, R. M.: Journal of Neuroscience, roč. 30, č. 21, 2010, s. 7227-7235 - SCI ; SCOPUS [o1] 2012 Vig, P. J. S. - Wei, J. - Shao, Q. - Lopez, M. E. - Halperin, R. - Gerber, J.: Cerebellum, roč. 11, č. 3, 2012, s. 718-732 - SCI ; SCOPUS [o1] 2013 Patron, M. - Raffaello, A. - Granatiero, V. - Tosatto, A. - Merli, G. - Stefani, D. D. - Wright, L. - Pallafacchina, G. - Terrin, A. - Mammucari, C. - Rizzuto, R.: Journal of Biological Chemistry, roč. 288, č. 15, 2013, s.10750-10758 - SCI ; SCOPUS [o1] 2014 Notter, T. - Panzanelli, P. - Pfister, S. - Mircsof, D. - Fritschy, J. M.: European Journal of Neuroscience, roč. 39, č. 2, 2014, s. 165-175 - SCI ; SCOPUS [o1] 2014 Khodabukus, A. - Baar, K.: Journal of Cellular Biochemistry, roč. 115, č. 12, 2014, s. 2198-2207 - SCOPUS [o1] 2015 Szabolcsi, V. - Celio, M. R.: GLIA, roč. 63, č. 4, 2015, s. 567-594 - SCOPUS [o1] 2015 Khodabukus, A. - Baar, K.: Journal of Cellular Physiology, roč. 230, č. 6, 2015, s. 1226-1234 - SCOPUS [o1] 2015 Jung, M. E.: Cerebellum, roč. 14, č. 4, čl. č. A001, 2015, s. 421-437 - SCOPUS [o1] 2016 Tong, B. - Hornak, A. J. - Maison, S. F. - Ohlemiller, K. K. - Liberman, M. C. - Simmons, D. D.: Journal of Neuroscience, roč. 36, č. 5, 2016, s. 1631-1635 - SCOPUS [o1] 2017 Soghomonian, J. J. - Zhang, K. Z. - Reprakash, S. - Blatt, G. J.: Autism Research, roč. 10, č. 11, 2017, s. 1787-1796 - SCI [o1] 2019 Fairless, R. - Williams, S. K. - Diem, R.: International Journal of Molecular Sciences, roč. 20, č. 9, 2019, čl. č. 2146 - SCI ; SCOPUS [o1] 2019 Climer, L. K. - Cox, A. M. - Reynolds, T. J. - Simmons, D. D.: Frontiers in Molecular Neuroscience, roč. 12, 2019, čl. č. 235 - SCOPUS. [o1] 2020 ~ Keilhoff, G. - Nguyen Thi, T. M. - Esser, T. - Ebmeyer, U.: Neurocritical Care, roč. 32, č. 3, 2020, s. 775-789 -- SCI ; SCOPUS [o1] 2021 ~ Butera, G. - Vecellio Reane, D. - Canato, M. - Pietrangelo, L. - Boncompagni, S. - Protasi, F. - Rizzuto, R. - Reggiani, C. - Raffaello, A.: Cell Reports, roč. 35, č. 5, 2021, čl. č. 109087 -- SCI ; SCOPUS [n1] 2021 zz ~ Pinna, A. - Colasanti, A.: Frontiers in Pharmacology, č. 12, 2021, čl. č. 689473 -- SCI ; SCOPUS [n1] 2022 zz ~ Permyakov, E. A. - Uversky, V. N.: Biomolecules, roč. 12, č. 5, 2022, čl. č. 656 -- SCI ; SCOPUS
2	Racay, Peter - Gregory, Patrick - Schwaller, Beat: Parvalbumin deficiency in fast-twitch muscles leads to increased 'slow-twitch type' mitochondria, but does not affect the expression of fiber specific proteins In: FEBS Journal. - Roč. 273, č. 1 (2006), s. 96-108. - ISSN 1742-464X Registered (22): [o1] 2006 Reggiani, C. - Kronnie, T. T.: RyR isoforms and fibre type-specific ... In: Journal of Muscle Research and Cell Motility, roč. 27, č. 5-7, 2006, s. 327-335 - SCI [o1] 2007 Rose, A. J. - Frosig, C. - Kiens, B. - Wojtaszewski, J. F. P. - Richter, E. A.: Effect of endurance exercise ... In: Journal of Physiology-London, roč. 583, č. 2, 2007, s. 785-795 - SCI ; SCOPUS [o1] 2007 Paolini, C. - Quarta, M. - Nori, A. - Boncompagni, S. - Canato, M. - Volpe, P. - Allen, P. D. - Reggiani, C. - Protasi, F.: Reorganized stores and impaired ... In: Journal of Physiology-

D. - Reggiani, C. - Protasi, F.: Reorganized stores and impaired ... In: Journal of Physiology-London, roč. 583, č. 2, 2007, s. 767-784 - SCI; SCOPUS
[o1] 2008 Caputo, C. - Bolanos, P.: Effect of mitochondria poisoning ... In: Pflugers Archiv-European Journal of Physiology, roč. 455, č. 4, 2008, s. 733-743 - SCI ; SCOPUS
[o1] 2008 Bolanos, P. - Guillen, A. - Rojas, H. - Boncompagni, S. - Caputo, C.: The use of CalciumOrange-5N as a specific ... In: Pflugers Archiv-European Journal of Physiology, roč. 455, č. 4, 2008, s. 721-731 - SCI ; SCOPUS
[o1] 2009 Hoh, F. - Cave, A. - Strub, M. P. - Baneres, J. L. - Padilla, A.: Removing the invariant salt bridge ... In: Acta Crystalographica Section D-Biological Crystallography, roč. 65, part 8, 2009, s. 733-743 - SCI ; SCOPUS
[o1] 2010 Gentile, M. A. - Nantermet, P. V. - Vogel, R. L. - Phillips, R. - Holder, D. - Hodor, P. - Cheng, C. - Dai, H. - Freedman, L. P. - Ray, W. J.: Androgen-mediated improvement of body composition ... In: Journal of MolecularEndocrinology, roč. 44, č. 1, 2010, s. 55-73 - SCI ; SCOPUS
[o1] 2010 Yamaguchi, W. - Fujimoto, E. - Higuchi, M. - Tabata, I.: A DIGE proteomic analysis dor high-intensity ... In: Journal of Biochemistry, roč. 148, č. 3, 2010, s. 327-333 - SCI ; SCOPUS
[o1] 2011 Schiaffino, S. - Reggiani, C.: Physiological Reviews, roč. 91, č. 4, 2011, s. 1447-1531 - SCI ; SCOPUS
[o1] 2011 Protasi, F. - Paolini, C. - Canato, M. - Reggiani, C. - Quarta, M.: Journal of Muscle Research and Cell Motility, roč. 32, č. 4-5, špec. č. SI, 2011, s. 257-270 - SCI ; SCOPUS
[o1] 2012 Baylor, S. M. - Hollingworth, S.: Journal of General Physiology, roč. 139, č. 4, 2012, s. 261-272 - SCI ; SCOPUS
[o1] 2012 Zbinden-Foncea, H. - Raymackers, J. M. - Deldicque, L. - Renard, P. - Francaux, M.: Medicine and Science in Sports and Exercise, roč. 44, č. 8, 2012, s. 1463-1472 - SCI ; SCOPUS
[o1] 2014 Kocmarek, A. L. - Ferguson, M. M. - Danzmann, R. G.: BMC Genomics, roč. 15, č. 1, 2014, s. 57 - SCI ; SCOPUS
[o1] 2014 Calderón, J. C. - Bolanos, P. - Caputo, C.: Biophysical Reviews, roč. 6, č. 1, 2014, s. 133-160 - SCOPUS
[o1] 2014 Khodabukus, A. - Baar, K.: Journal of Cellular Biochemistry, roč. 115, č. 12, 2014, s. 2198-2207 - SCOPUS
[o1] 2015 Khodabukus, A. - Baar, K.: Journal of Cellular Physiology, roč. 230, č. 6, 2015, s. 1226-1234 - SCI ; SCOPUS
[o1] 2015 Kocmarek, A. L. - Ferguson, M. M. - Danzmann, R. G.: Marine Biotechnology, roč. 17, č. 2, 2015, s. 229-243 - SCOPUS
[o1] 2016 Sakakibara, I. - Wurmser, M. - Dos Santos, M. - Santolini, M. - Ducommun, S. - Davaze, R. - Guernec, A. - Sakamoto, K. - Maire, P.: Skeletal Muscle, roč. 6, č. 1, 2016, čl. č. 30 - SCI ; SCOPUS
[o1] 2017 Gamu, D. - Trinh, A. - Fajardo, V. A. - Bombardier, E. - Tupling, A. R.: Journal of Applied Physiology, roč. 122, č. 5, 2017, s. 1276-1283 - SCI
[o1] 2017 Eshima, H. - Miura, S. - Senoo, N. - Hatakeyama, K. - Poole, D. C. - Kano, Y.: American Journal of Physiology - Regulatory Integrative and Comparative Physiology, roč. 312, č. 6, 2017, s. R1017-R1028 - SCI ; SCOPUS
[o1] 2019 Gamu, D. - Juracic, E. S. - Fajardo, V. A. - Rietze, B. A. - Tran, K. - Bombardier, E. - Tupling, A. R.: American Journal of Physiology Endocrinology and Metabolism, roč. 316, č. 3, 2019, s. E432-E442 - SCI ; SCOPUS
[o1] 2019 Climer, L. K. - Cox, A. M. - Reynolds, T. J. - Simmons, D. D.: Frontiers in Molecular Neuroscience, roč. 12, 2019, čl. č. 235 - SCOPUS
[o1] 2020 ~ Hahn, A. - Pensold, D. - Bayer, C. - Tittelmeier, J. - González-Bermúdez, L. - Marx-Blümel, L. - Linde, J. - Gross J. - Salinas-Riester, G. - Lingner, T. - von Maltzahn, J. - Spehr, M. - Pieler, T. - Urbach, A. - Zimmer-Bensch, G.:Frontiers in Cell and Developmental Biology, č. 8, 2020, čl. č. 639 -- SCI ; SCOPUS
[o1] 2020 ~ Harada, N. - Gotoda, Y. - Hatakeyama, A. - Nakagawa, T. - Miyatake, Y. - Kuroda, M. - Masumoto, S. - Tsutsumi, R. - Nakaya, Y. - Sakaue, H.: Journal of Muscle Research and Cell Motility, roč. 41, č. 2-3, 2020, s. 199-209 -- SCI ;SCOPUS
[o1] 2020 ~ Dos Santos, M. - Backer, S. - Saintpierre, B. - Izac, B. - Andrieu, M. - Letourneur, F. - Relaix, F. - Sotiropoulos, A. - Maire, P.: Nature Communications, roč. 11, č. 1, 2020, čl. č. 5102 -- SCI ; SCOPUS
[o1] 2021 ~ Butera, G. - Vecellio Reane, D. - Canato, M. - Pietrangelo, L. - Boncompagni, S. - Protasi, F. - Rizzuto, R. - Reggiani, C. - Raffaello, A.: Cell Reports, roč. 35, č. 5, 2021, čl. č. 109087 -- SCI ; SCOPUS

	[n1] 2022 zz ~ Nogueira, L. - Gilmore, N. K. - Hogan, M. C.: Journal of Applied Physiology, roč. 132, č. 4, 2022, s. 1041-1053 -- SCI ; SCOPUS
3	Racay, Peter - Tatarkova, Zuzana - Chomova, Maria - Hatok, Jozef - Kaplan, Peter - Dobrota, Dusan: Mitochondrial calcium transport and mitochondrial dysfunction after global brain ischemia in rat hippocampus In: Neurochemical Research. - Roč. 34, č. 8 (2009), s. 1469-1478. - ISSN 0364-3190 Registered (53): [o1] 2010 Szydlowska, K. - Tymianski, M.: Cell Calcium, roč. 47, č. 2, 2010, s. 122-129 - SCI ; SCOPUS [o1] 2010 Ten, V. S. - Yao, J. - Ratner, V. - Sosunov, S. - Fraser, D. A. - Botto, M. - Sivasankar, B. - Morgan, B. P. - Silverstein, S. - Stark, R. - Polin, R. - Vannucci, S. J. - Pinsky, D. - Starkov, A. A.: Journal of Neuroscience, roč. 30,č. 6, 2010, s. 2077-2087 - SCI ; SCOPUS [o1] 2010 Ježek, P. - Plecitá-Hlavatá, L. - Smolková, K. - Rossignol, R.: International Journal of Biochemistry and Cell Biology, roč. 42, č. 5, 2010, s. 604-622 - SCI ; SCOPUS [o1] 2010 Nilakantan, V. - Liang, H. L. - Rajesh, S. - Mortensen, J. - Chndran, K.: Free Radical Research, roč. 44, č. 7, 2010, s. 773-782 - SCOPUS [o1] 2010 Zeng, L. - Tan, J. - Hu, Z. - Lu, W. - Yang, B.: Current Neurovascular Research, roč. 7, č. 4, 2010, s. 281-287 - SCI ; SCOPUS [o1] 2011 Robin, E. - Simerabet, M. - Hassoun, S. M. - Adamczyk, S. - Tavernier, B. - Vallet, B. - Bordet, R. - Lebuffe, G.: Brain Research, roč. 1375, február, 2011, s. 137-146 - SCI ; SCOPUS [o1] 2011 Gouriou, Y. - Demaurex, N. - Bijlenga, P. - De Marchi U.: Biochimie, vol. 93, no. 12, 2011, s. 2060-2067 - SCI ; SCOPUS UKOLFUK [o1] 2011 Rasola, A. - Bernardi, P.: Cell Calcium, vol. 50, no. 3, 2011, s. 222-233 - SCI ; SCOPUS UKOLFUK [o1] 2011 Guo, M. F. - Yu, J. Z. - Ma, C. G.: Folia Neuropathologica, vol. 49, no. 2, 2011, s. 78-87 - SCI ; SCOPUS UKOLFUK [o1] 2011 Bauer, M. C. - O´Connell, D. J. - Maj, M. - Wagner, L. - Cahill, D. J. - Linse, S.: Molecular BioSystems, vol. 7, no.7, 2011, s. 2196-2204 - SCI ; SCOPUS UKOLFUK [o1] 2011 Smaili, S. S. - Ureshino, R. P. - Rodrigues, L. - Rocha, K. K. - Carvalho, J. T. - Oseki, K. T. - Bincoletto, C. - Lopes, G. S. - Hirata, H.: Current Pharmaceutical Design, vol. 17, no. 35, 2011, s. 3865-3877 - SCI ; SCOPUS UKOLFUK [o1] 2011 Jordan, J. - de Groot, P. W. J. - Galindo, M. F.: Central Nervous System Agents in Medicinal Chemistry, vol. 11, no. 2, 2011, s. 98-106 - SCOPUS UKOLFUK [o1] 2012 Bin, J. - Wang, Q. - Zhuo, Y.-Y. - Xu, J. P.: Chinese Journal of New Drugs, roč. 21, č. 4, 2012, s. 366-370 - SCOPUS [o1] 2012 Kaur, C. - Sivakumar, V. - Foulds, W. S. - Luu, C. D. - Ling, E.-A.: Journal of Neuropathology and Experimental Neurology, roč. 71, č. 4, 2012, s. 330-347 - SCI ; SCOPUS [o1] 2012 Hütterman, M. - Helling, S. - Sanderson, T. H. - Sinkler, C. - Samavati, L. - Mahapatra, G. - Varughese, A. - Lu, G. - Liu, J. - Razman, R. - Vogt, S. - Grossman, L. I. - Doan, J. W. - Marcus, K. - Lee, I.: Biochimica et BiophysicaActa - Bioenergetics, roč. 1817, č. 4, 2012, s. 598-609 - SCI ; SCOPUS [o1] 2013 Sanderson, T. H. - Reynolds, C. A. - Kumar, R. - Przyklenk, K. - Hüttemann, M.: Molecular Neurobiology, roč. 47, č. 1, 2013, s. 9-23 - SCI ; SCOPUS [o1] 2013 Figueira, T. R. - Barros, M. H. - Camargo, A. A. - Castilho, A. A. - Ferreira, J. C. B. - Kowltowski, A. J. - Sluse, F. E. - Souza-Pinto, N. C. - Vercesi, A. E.: Antioxidants and Redox Signaling, roč. 18, č. 16, 2013, s. 2029-2074 -SCI ; SCOPUS [o1] 2013 Wang, R. - Tu, J. - Zhang, Q. - Zhang, X. - Zhu, Y. - Ma, W. - Cheng, C. - Brann, D. W. - Yang, F.: Hippocampus, roč. 23, č. 7, 2013, s. 634-647 - SCI ; SCOPUS [o1] 2013 Liang, J. M. - Xu, H. Y. - Zhang, X. J. - Li, X. G. - Zhang, H. B. - Ge, P. F.: Journal of International Medical Research, roč. 41, č. 3, 2013, s. 618-627 - SCI ; SCOPUS [o1] 2014 Galli, G. L. J. - Richards, J. G.: Journal of Comparative Physiology B: Biochemical , Systemic, and Environmental Physiology, roč. 184, č. 3, 2014, s. 285-302 - SCI ; SCOPUS [o1] 2014 Wang, T. - Lv, P. - Jin, W. - Zhang, H. - Lang, J. - Fan, M.: Molecular Medicine Reports, roč. 9, č. 2, 2014, s. 509-514 - SCI ; SCOPUS [o1] 2014 Müller, G. J. - Hasseldam, H. - Rasmussen, R. S. - Johansen, F. F.: Experimental Neurology, vol. 261, november, 2014, s. 711-719 - SCOPUS UKOLFUK [o1] 2014 Cox-Limpens, K. E. M. - Vles, J. S. H. - LA van den Hove, D. - Zimmermann, L. J. I. - Gavilanes, A. W. D.: BMC Neuroscience, vol. 15, 29 May 2014, čl. č. 67 - SCI ; SCOPUS UKOLFUK

[o1] 2015 Ma, S.H. - Zhuang, Q.X. - Shen, W.X. - Peng, Y.P. - Qiu, Y.H.: Cell Calcium, roč. 58, č. 3, 2015, s. 286-295 - SCI ; SCOPUS
[o1] 2015 Ma, L. - Jia, L. - Niu, W. - Jiang, T. - Zhai, Q. - Yang, L. - Bai, F. - Wang, Q. - Xiong, L.: Scientific Reports, roč. 5, 2015, čl. č. 12440 - SCI ; SCOPUS
[o1] 2015 Fan, H. - Li, X. - Wang, W. - Lai, Q. - Tang, X. - Gao, D. - Yin, X. - Xu, T.: Cell Biochemistry and Biophysics, roč. 73, č. 2, 2015, s. 323-330 - SCI ; SCOPUS
[o1] 2015 Hu, Y. - Deng, H. - Xu, S. X. - Zhang, J. P.: International Journal of Molecular Sciences, vol. 16, no. 10, 2015, s. 24895-24917 - SCI ; SCOPUS UKOLFUK
[o1] 2016 Sommer, S. - Leistner, M. - Aleksic, I. - Schimmer, C. - Alhussini, K. - Kanofsky, P. - Leyh, R. G. - Sommer, S.-P.: European Journal of Cardio-thoracic Surgery, roč. 49, č. 2, čl. č. ezv397, 2016, s. e54-e62 - SCI ; SCOPUS
[o1] 2016 Waseem, M. - Tabassum, H. - Parvez, S.: Mitochondrion, roč. 31, 2016, s. 1-8 - SCI ; SCOPUS
[o1] 2016 Briston, T. - Lewis, S. - Koglin, M. - Mistry, K. - Shen, Y. - Hartopp, N. - Katsumata, R. - Fukumoto, H. - Duchen, M.R. - Szabadkai, G. - Staddon, J.M. - Roberts, M. - Powney, B.: Scientific Reports, vol. 6, 2016, art. no. 37798 -SCI ; SCOPUS
[o1] 2016 Yanli, L. - Xizhou, Z. - Yan, W. - Bo, Z. - Yunhong, Z. - Zicheng, L. - Lingling, Y. - lingling, Y. - Zhangao, C. - Min, Z. - Zhi, H.: European Journal of Pharmacology, vol. 793, 2016, s. 89-94 - SCI ; SCOPUS
[o1] 2017 Zhang, W. - Shi, J. - Meng, A.: Latin American Journal of Pharmacy, roč. 36, č. 3, 2017, s. 479-485 - SCI ; SCOPUS
[o1] 2017 Dar, N. J. - Bhat, J. A. - Satti, N. K. - Sharma, P. R. - Hamid, A. - Ahmad, M.: Molecular Neurobiology, roč. 54, č. 7, 2017, s. 5061-5073 - SCI ; SCOPUS
[o1] 2017 Briston, T. - Roberts, M. - Lewis, S. - Powney, B. - Staddon, J. M. - Szabadkai, G. - Duchen, M. R.: Scientific Reports, roč. 7, 2017, čl. č. 10492 - SCI ; SCOPUS
[o1] 2017 Chen, S. - Dong, Z. - Zhao, Y. - Sai, N. - Wang, X. - Liu, H. - Huang, G. - Zhang, X.: Scientific Reports, roč. 7, č. 1, 2017, čl. č. 6932 - SCI ; SCOPUS
[o1] 2018 Li, L. - Yang, R. L. - Li, P. J. - Lu, H. L. - Hao, J. B. - Li, L. Y. - Tucker, D. - Zhang, Q. G.: Molecular Neurobiology, roč. 55, č. 3, 2018, s. 2042-2055 - SCI ; SCOPUS
[o1] 2018 Xiong, W. - Wu, Y. - Xian, W. J. - Song, L. M. - Hu, L. S. - Pan, S. W. - Liu, M. - Yao, S. L. - Pei, L. - Shang, Y.: Journal of the Neurological Sciences, roč. 387, 2018, s. 210-219 - SCI ; SCOPUS
[o1] 2018 Li, Y. - Zhang, W. T. - Chen, C. - Zhang, C. P. - Duan, J. Y. - Yao, H. K. - Wei, Q. L. - Meng, A. G. - Shi, J.: Journal of Applied Biomedicine, roč. 16, č. 2, 2018, s. 126-132 - SCI ; SCOPUS
[o1] 2018 Burstein, S. R. - Kim, H. J. - Fels, J. A. - Qian, L. P. - Zhang, S. - Zhou, P. - Starkov, A. A. - Iadecola, C. - Manfredi, G.: Biochimica et Biophysica Acta - Bioenergetics, roč. 1859, č. 6, 2018, s. 423-433 - SCI ; SCOPUS
[o1] 2018 Rana, A. K. - Singh, D.: Neuropharmacology, roč. 139, 2018, s. 124-136 - SCI ; SCOPUS
[o1] 2019 Bhardwaj, A. - Bhardwaj, R. - Dhawan, D. K. - Kaur, T.: Neurotoxicity Research, roč. 35, č. 1, 2019, s. 83-91 - SCI ; SCOPUS
[o1] 2019 Leistner, M. - Sommer, S. - Kanofsky, P. - Leyh, R. - Sommer, S. P.: Journal of Cardiothoracic Surgery, roč. 14, 2019, čl. č. 92 - SCI ; SCOPUS
[o1] 2019 Hu, C.L. - Ge, L. - Tang, Y. - Li, J. - Wu, C.H. - Hu, J.H. - Yuan, J.T. - Fan, Y.Z.: Acta Poloniae Pharmaceutica, roč. 76, č. 6, 2019, s. 1043-1050 - SCI ; SCOPUS UKOLFUK
[o1] 2020 Dehghanian, F. - Soltani, Z. - Khaksari, M.: Journal of Molecular Neuroscience, roč. 70, č. 5, 2020, s. 677-688 - SCI ; SCOPUS
[o1] 2020 Binvignat, O. - Olloquequi, J.: Current Pharmaceutical Design, roč. 26, č. 12, 2020, s. 1251-1262 - SCI ; SCOPUS
[o1] 2020 Park, D. J. - Kang, J. B. - Koh, P. O.: Journal of Veterinary Medical Science, roč. 82, č. 5, 2020, s. 639-645 - SCI ; SCOPUS
[o1] 2020 Akasaka, T. - Watanabe, T. - Mukai-Yatagai, N. - Sasaki, N. - Furuse, Y. - Shirota, K. - Kato, M. - Yamamoto, K.: International Heart Journal, roč. 61, č. 2, 2020, s. 295-300 - SCI ; SCOPUS
[o1] 2020 Jiang, Y. - Bai, X. - Li, T. T. - Al-Hawwas, M. - Jin, Y. - Zou, Y. - Hu, Y. - Liu, L. Y. - Zhang, Y. - Liu, Q. - Yang, H. - Ma, J. - Wang, T. H. - Liu, J. - Xiong, L. L.: BMC Neuroscience, roč. 21, č. 1, 2020, čl. č. 18 - SCI ;SCOPUS
[o1] 2021 Datta, S. - Jaiswal, M.: Mitochondrion, roč. 59, 2021, s. 135-153 - SCI ; SCOPUS
[o1] 2021 Pandya, J. D. - Leung, L. Y. - Hwang, H. M. - Yang, X. - Deng-Bryant, Y. - Shear, D. A.:

Journal of Neurotrauma, roč. 38, č. 16, 2021, s. 2323-2334 - SCI ; SCOPUS
[o1] 2021 Umbrasas, D. - Arandarcikaite, O. - Grigaleviciute, R. - Stakauskas, R. - Borutaite, V.: International Journal of Molecular Sciences, roč. 22, č. 18, 2021, čl. č. 9717 - SCI ; SCOPUS
[o1] 2021 Düzova, H. - Naziroglu, M. - CIG, B. - Gürbüz, P. - Akatli, A.N.: Molecular Neurobiology, vol. 58, no. 10, 2021, s. 5031-5051 - SCI ; SCOPUS
[n1] 2022 Yang, L.P. - Jiang, Y.J. - Ye, X.Q. - You, Y.M. - Lin, L. - Lian, J. - Li, J. - Yang, S.L. - Xue, X.H.: Biocell, vol. 46, no. 1, 2022, s. 235-245 - SCI
[n1] 2022 zz ~ Wang, H. - Chen, L. M. - Shan, S. - Zhang, G. C. - Wen, X. L. - Tu, Z. J. - Liu, H. N.: Chinese Journal of Experimental Traditional Medical Formulae, roč. 28, č. 7, 2022, s. 254-267 -- SCOPUS
[n1] 2022 zz ~ Kuang, Y. - Peng, C. - Dong, Y. - Wang, J. - Kong, F. - Yang, X. - Wang, Y. - Gao, H.: Molecular Midicine Reports, roč. 25, č. 6, 2022, čl. č. 12711 -- SCI ; SCOPUS
[n1] 2022 zz ~ Iacobazzi, D. - Alvino, V. V. - Caputo, M. - Madeddu, P.: Frontiers in Cardiovascular Medicine, č. 9, 2022, čl. č. 892861 -- SCI ; SCOPUS
[n1] 2022 zz ~ Adlimoghaddam, A. - Benson, T. - Albensi, B. C.: Molecular Neurobiology, roč. 59, č. 10, 2022, s. 6009-6017 -- SCI ; SCOPUS
[n1] 2022 zz ~ Kolodziej, F. - McDonagh, B. - Burns, N. - Goljanek-Whysall, K.: International Journal of Molecular Sciences, roč. 23, č. 23, 2022, čl. č. 14716 -- SCI ; SCOPUS

4 Pilchova, Ivana - Klacanova, Katarina - Tatarkova, Zuzana - Kaplan, Peter - Racay, Peter: The Involvement of Mg2+ in Regulation of Cellular and Mitochondrial Functions
In: Oxidative Medicine and Cellular Longevity - Roč. 2017 (2017), nestr. [8 s.], art. no. 6797460. - ISSN 1942-0994
Registered (44):
[o1] 2018 Maguire, D. - Neytchev, O. - Talwar, D. - McMillan, D. - Shiels, P. G.: International Journal of Molecular Sciences, roč. 19, č. 1, 2018, čl. č. 157 - SCI ; SCOPUS
[o1] 2018 Al Alawi, A. M. - Majoni, S. W. - Falhammar, H.: International Journal of Endocrinology, 2018, čl č. 9041694 - SCI ; SCOPUS
[o1] 2019 Carvalho, J. - Alves, S. - Castro, M. M. C. A. - Geraldes, C. F. G. C. - Queiroz, J. A. - Fonseca, C. P. - Cruz, C.: Journal of Pharmacological and Toxicological Methods, roč. 95, 2019, s. 70-78 - SCI ; SCOPUS
[o1] 2019 Zakharova, N. M. - Tarahovsky, Y. S. - Fadeeva, I. S. - Komelina, N. P. - Khrenov, M. O. - Glushkova, O. V. - Prokhorov, D. A. - Kutyshenko, V. P. - Kovtun, A. L.: Life Sciences, roč. 219, 2019, s. 190-198 - SCI ; SCOPUS
[o1] 2019 Zhou, D. R. - Eid, R. - Miller, K. A. - Boucher, E. - Mandato, C. A. - Greenwood, M. T.: Biochimica et Biophysica Acta - Molecular Cell Research, roč. 1866, č. 5, 2019, s. 773-792 - SCI ; SCOPUS
[o1] 2019 Kostov, K.: International Journal of Molecular Sciences, roč. 20, č. 6, 2019, čl. č. 1351 - SCI ; SCOPUS
[o1] 2019 Bischof, H. - Burgstaller, S. - Waldeck-Weiermair, M. - Rauter, T. - Schinagl, M. - Ramadani-Muja, J. - Graier, W. E. - Malli, R.: Cells, roč. 8, č. 5, 2019, čl. č. 492 - SCI
[o1] 2019 Lee, B. - Lee, D. G.: Journal of Applied Microbiology, roč. 127, č. 3, 2019, s. 701-712 - SCI ; SCOPUS
[o1] 2019 ul Islam, B. - Jabir, N. R. - Tabrez, S.: Journal of Drug Targeting, roč. 27, č. 9, 2019, s. 932-942 - SCI ; SCOPUS
[o1] 2019 Yamanaka, R. - Shindo, Y. - Oka, K.: International Journal of Molecular Sciences, roč. 20, č. 14, 2019, čl. č. 3439 - SCOPUS
[o1] 2019 An, L. - Marjani, S. L. - Wang, Z. - Liu, Z. - Liu, R. - Xue, F. - Xu, J. - Nedambale, T. L. - Yang, L. - Tian, X. C. - Su, L. - Du, F.: Theriogenology, roč. 140, 2019, s. 109-116 - SCOPUS
[o1] 2019 Sánchez, J. M. - Mathew, D. J. - Behura, S. K. - Passaro, C. - Charpigny, G. - Butler, S. T. - Spencer, T. E. - Lonergan, P.: Biology of Reproduction, roč. 101, č. 1, 2019, s. 26-39 - SCI ; SCOPUS
[o1] 2019 Danylovych, H. V. - Danylovych, Y. V. - Bohach, T. V. - Hurska, V. T. - Kosterin, S. O.: Ukrainian Biochemical Journal, roč. 91, č. 4, 2019, s. 33-40 - SCOPUS
[o1] 2019 Yamanaka, R. - Shindo, Y. - Oka, K.: International Journal of Molecular Sciences, roč. 20, č. 14, 2019, čl. č. 3439 - SCI ; SCOPUS
[o1] 2019 Rangl, M. - Schmandt, N. - Perozo, E. - Scheuring, S.: eLife, roč. 8, 2019, čl. č. e47322 - SCI ; SCOPUS
[o1] 2019 Ranninger, E. - Bartoszuk, U. - Kutter, A.: Veterinary Record Case Reports, roč. 7, č. 4, 2019, čl. č. 000928 - SCOPUS

4, 2019, čl. č. 000928 - SCOPUS
[o1] 2019 Maguire, D. - Talwar, D. - Burns, A. - Catchpole, A. - Stefanowicz, F. - Robson, G. - Ross, D. P. - Young, D. - Ireland, A. - Forrest, E. - Galloway, P. - Adamson, M. - Colgan, E. - Bell, H. - Orr, L. - Kerr, J. L. - Roussis, X. -McMillan, D. C.: Journal of Translational Medicine, roč. 17, č. 1, 2019, čl. č. 384 - SCI ; SCOPUS
[o1] 2020 Tardy, A. L. - Pouteau, E. - Marquez, D. - Yilmaz, C. - Scholey, A.: Nutrients, roč. 12, č. 1, 2020, čl. č. 228 - SCI ; SCOPUS
[o1] 2020 Quintana, D. D. - Garcia, J. A. - Anantula, Y. - Rellick, S. L. - Engler-Chiurazzi, E. B. - Sarkar, S. N. - Brown, C. M. - Simpkins, J. W.: Journal of Alzheimer's Disease, roč. 75, č. 1, 2020, s. 119-138 - SCOPUS
[o1] 2020 Kwun, M. S. - Lee, D. G.: Fungal Biology, roč. 124, č. 2, 2020, s. 83-90 - SCI ; SCOPUS
[o1] 2020 Dodd, F. L. - Kennedy, D. O. - Stevenson, E. J. - Veasey, R. C. - Walker, K. - Reed, S. - Jackson, P. A. - Haskell-Ramsay, C. F.: Nutrition and Metabolism, roč. 17, č. 1, 2020, čl. č. 16 - SCI ; SCOPUS
[o1] 2020 Wang, L. - Yu, X. - Xiong, W. - Li, P. - Wang, S. - Fan, A. - Su, H.: Journal of Environmental management, roč. 265, 2020, čl. č. 110503 - SCI ; SCOPUS
[o1] 2020 Shindo, Y. - Yamanaka, R. - Hotta, K. - Oka, K.: Nutrients, roč. 12, č. 9, 2020, čl. č. 2768 - SCI ; SCOPUS
[o1] 2020 Mohammadi, H. - Shamshirian, A. - Eslami, S. - Shamshirian, D. - Ebrahimzadeh, M. A.: BioMed Research International, 2020, čl. č. 2624734 - SCI ; SCOPUS
[o1] 2020 Liu, M. - Dudley, S. C.: Antioxidants, roč. 9, č. 10, 2020, čl. č. 907 - SCI ; SCOPUS
[o1] 2020 Villa-Bellosta, R.: EMBO Molecular Medicine, roč. 12, č. 10, 2020, čl. č. e12423 - SCI ; SCOPUS
[o1] 2020 Gile, J. - Ruan, G. - Abeykoon, J. - McMahon, M. M. - Witzig, T.: Blood Reviews, roč. 44, 2020, čl. č. 100676 - SCI ; SCOPUS
[o1] 2020 López-Laguna, H. - Sánchez, J. - Unzueta, U. - Mangues, R. - Vázquez, E. - Villaverde, A.: Trends in Biochemical Sciences, roč. 45, č. 11, 2020, s. 992-1003 - SCI ; SCOPUS
[o1] 2020 Moisa, C. - Bungau, S. - Behl, T. - Banica, F. - Purza, L. - Moleriu, R. D. - Cadar, O. - Fratila, O. - Tit, D. M.: Revista de Chimie, roč. 71, č. 10, 2020, s. 193-204 - SCOPUS
[o1] 2020 Pickering, G. - Mazur, A. - Trousselard, M. - Bienkowski, P. - Yaltsewa, N. - Amessou, M. - Noah, L. - Pouteau, E.: Nutrients, roč. 12, č. 12, 2020, čl. č. 3672 - SCOPUS
[o1] 2020 Osum, M. - Serakinci, N.: DNA Repair, roč. 96, 2020, čl. č. 102993 - SCI ; SCOPUS
[o1] 2020 Skupienski, R. - Do, K. Q. - Xin, L.: Scientific Reports, roč. 10, č. 1, 2020, čl. č. 15623 - SCI ; SCOPUS
[o1] 2020 Hemmerová, E. - Špringer, T. - Krištofiková, Z. - Homola, J.: International Journal of Molecular Sciences, roč. 21, č. 24, 2020, čl. č. 9727 - SCI ; SCOPUS
[o1] 2021 Nosenko, O. M. - Khancha, F. O.: Reproductive Endocrinology, roč. 56, 2021, s. 80-87 - SCI ; SCOPUS
[o1] 2021 Kumar, S. P. - Sherpa, D. D. - Sahu, A. K. - Jadav, T. - Tekade, R. K. - Sengupta, P.: Bioanalysis, roč. 13, č. 6, 2021, s. 513-532 - SCI ; SCOPUS
[o1] 2021 Raut, K. K. - Ponniah, K. - Pascal, S. M.: Biomolecules, roč. 11, č. 3, 2021, čl. č. 386 - SCI ; SCOPUS
[o1] 2021 Odler, B. - Deak, A. T. - Pregartner, G. - Riedl, R. - Bozic, J. - Trummer, C. - Prenner, A. - Söllinger, L. - Krall, M. - Höflechner, L. - Hebesberger, C. - Boxler, M. S. - Berghold, A. - Schemmer, P. - Pilz, S. - Rosenkranz, A. R.:Nutrients, roč. 13, č. 4, 2021, s. 1296 - SCI ; SCOPUS
[o1] 2021 Austin, S. - Nowikovsky, K.: Biochimica et Biophysica Acta - Bioenergetics, roč. 1862, č. 5, 2021, čl. č. 148368 - SCI ; SCOPUS
[o1] 2021 Smith, T. J. - Johnson, C. R. - Koshy, R. - Hess, S. Y. - Qureshi, U. A. - Mynak, M. L. - Fischer, P. R.: Annals of the New York Academy of Sciences, roč. 1498, č. 1, 2021, s. 9-28 - SCI ; SCOPUS
[o1] 2021 Lee, J. H. - Shin, H. J. - Kim, Y. D. - Lim, D. K.: Nanoscale Advances, roč. 3, č. 12, 2021, s. 3470-3480 - SCI ; SCOPUS
[o1] 2021 Maier, J. A. - Castiglioni, S. - Locatelli, L. - Zocchi, M. - Mazur, A.: Seminars in Cell and Developmental Biology,r oč. 115, 2021, s. 37-44 - SCI ; SCOPUS
[o1] 2021 Wang, X. - An, P. - Gu, Z. - Luo, Y. - Luo, J.: International Journal of Molecular Sciences, roč. 22, č. 14, 2021, čl. č. 7525 - SCI ; SCOPUS
[o1] 2021 Gangwar, N. - Mishra, R. - Budholiya, N. - Rathore, A. S.: Biotechnology Journal, roč. 16, č. 8, 2021, čl. č. 2000464 - SCI ; SCOPUS
[o1] 2021 Opris, O. - Copaciu, F. - Soran, M. L. - Niinemets, U. - Copolovici, L.: Molecules, roč.

26, č. 15, 2021, čl. č. 4448 - SCI ; SCOPUS
[n1] 2021 zz ~ Álamo, P. - Parladé, E. - López-Laguna, H. - Volta-Durán, E. - Unzueta, U. - Vazquez, E. - Mangues, R. - Villaverde, A.: Drug Delivery, roč. 28, č. 1, 2021, s. 2383-2391 -- SCI ; SCOPUS
[n1] 2021 zz ~ Song, J. - Yang, X. - Zhang, M. - Wang, C. - Chen, L.: Journal of Alzheimer's Disease, roč. 84, č. 2, 2021, s. 557-578 -- SCI ; SCOPUS
[n1] 2021 zz ~ Salem, R. M. - Zhang, C. - Chou, L.: International Journal of Biomaterials, 2021, čl. č. 6567455 -- SCI ; SCOPUS
[n1] 2021 zz ~ Dana, N. - Karimi, R. - Mansourian, M. - Javanmard, S. H. - Laher, I. - Vaseghi, G.: International Journal of Vitamin and Nutrition Research, roč. 91, č. 5-6, 2021, s. 539-546 -- SCI ; SCOPUS
[n1] 2021 zz ~ Du Preez, S. - Cabanas, H. - Staines, D. - Marshall?gradisnik, S.: International Journal of Environmental Research and Public Health, roč. 18, č. 20, 2021, čl. č. 708 -- SCI ; SCOPUS
[n1] 2021 zz ~ Flores-Cotera, L. B. - Chávez-Cabrera, C. - Martínez-Cárdenas, A. - Sánchez, S. - García-Flores, O. U.: Journal of Industrial Microbiology and Biotechnology, roč. 48, č. 9-10, 2021, čl. č. kuab048 -- SCI ; SCOPUS
[n1] 2022 zz ~ Marunaka, K. - Shu, S. - Kobayashi, M. - Goto, M. - Katsuta, Y. - Yoshino, Y. - Ikari, A.: International Journal of Molecular Sciences, roč. 23, č. 1, 2022, čl. č. 71 -- SCI ; SCOPUS
[n1] 2022 zz ~ Noori, S. M. A. - Hashemi, M. - Ghasemi, S.: Current Pharmacutical Biotechnology, roč. 23, č. 11, 2022, s. 1327-1335 -- SCI ; SCOPUS
[n1] 2022 zz ~ Santamarina, A. B. - Moraes, R. C. M. - Nehmi Filho, V. - Murata, G. M. - de Freitas, J. A. - de Miranda, D. A. - Cerqueira, A. R. A. - Costa, S. K. P. - Ferreira, A. F. F. - Britto, L. R. - de Camargo, J. A. - de Oliveira, D.R. - de Jesus, F. N. - Otoch, J. P. - Pessoa, A. F. M.: Antioxidants, roč. 11, č. 3, 2022, čl. č. 447 -- SCI ; SCOPUS
[n1] 2022 zz ~ Killilea, D. W. - Killilea, A. N.: Free Radical Biology and Medicine, č. 182, 2022, s. 182-191 -- SCI ; SCOPUS
[n1] 2022 zz ~ Piazza, M. - Di Cicco, M. - Pecoraro, L. - Ghezzi, M. - Peroni, D. - Comberiati, P.: Biomolecules, roč. 12, č. 4, 2022, čl. č. 556 -- SCI ; SCOPUS
[n1] 2022 zz ~ Iqbal, M. A. - Reyer, H. - Oster, M. - Hadlich, F. - Trakooljul, N. - Perdomo-Sabogal, A. - Schmucker, S. - Stefanski, V. - Roth, C. - Camarinha Silva, A. - Huber, K. - Sommerfeld, V. - Rodehutscord, M. - Wimmers, K. -Ponsuksili, S.: Frontiers in Genetics, č. 13, 2022, čl. č. 858232 -- SCI ; SCOPUS
[n1] 2022 zz ~ Wu, S. Y. - Shen, Y. - Shkolnikov, I. - Campbell, R. E.: Frotniers in Cell and Developmental Biology, č. 10, 2022, čl. č. 885440 -- SCI ; SCOPUS
[n1] 2022 zz ~ Kikuda, R. - Gomes, R. P. - Gama, A. R. - Silva, J. A. D. P. - Dos Santos, A. P. - Alves, K. R. - Arruda, P. N. - Scalize, P. S. - Vieira, J. D. G. - Carneiro, L. C. - Pires, D. D. J.: Water, roč. 14, č. 9, 2022, čl. č. 1414 --SCI ; SCOPUS
[n1] 2022 zz ~ Lee, C. C. - Yang, P. K. - Chen, L. C. - Cheong, M. L. - Tsai, Y. L. - Tsai, M. S.: Journal of the Formosan Midcal Association, roč. 121, č. 7, 2022, s. 1231-1237 -- SCOPUS
[n1] 2022 zz ~ Bina, A. M. - Aburel, O. M. - Avram, V. F. - Lelcu, T. - Lin?a, A. V. - Chiriac, D. V. - Mocanu, A. G. - Bernad, E. - Borza, C. - Craina, M. L. - Popa, Z. L. - Muntean, D. M. - Cretu, O. M.: Molecular and Cellular Biochemistry,roč. 477, č. 7, 2022, s. 1987-2000 -- SCI ; SCOPUS
[n1] 2022 zz ~ Rees, H. C. - Gogacz, W. - Li, N. S. - Koirala, D. - Piccirilli, J. A.: ACS Chemical Biology, roč. 17, č. 7, 2022, s. 1866-1875 -- SCI ; SCOPUS
[n1] 2022 zz ~ Huang, X. - Chen, T. - Zhou, P. - Huang, X. - Liu, D. - Jin, W. - Zhang, H. - Zhou, J. - Wang, Z. - Gao, Z.: Journal of Food Composition and Analysis, č. 111, 2022, čl. č. 104604 -- SCI ; SCOPUS
[n1] 2022 zz ~ Shu, S. - Kobayashi, M. - Marunaka, K. - Yoshino, Y. - Goto, M. - Katsuta, Y. - Ikari, A.: Cells, roč. 11, č. 15, 2022, čl. č. 2268 -- SCI ; SCOPUS
[n1] 2022 zz ~ Jia, Z. - Choi, J. - Lee, S. - Soper, S. A. - Park, S.: Colloids and Surfaces A: Physicochemical and Engineering Aspects, č. 648, 2022, čl. č. 129147 -- SCOPUS
[n1] 2022 zz ~ Gao, G. - Zhou, J. - Zhou, J. - Wang, H. - Ke, L. - Ding, Y. - Zhang, S. - Ding, W. - Rao, P. - Li, J.: Food Control, č. 141, 2022, čl. č. 109212 -- SCI ; SCOPUS
[n1] 2022 zz ~ Lin, S. - Yin, S. - Shi, J. - Yang, G. - Wen, X. - Zhang, W. - Zhou, M. - Jiang, X.: Bioactive Materials, č. 18, 2022, s. 116-127 -- SCI ; SCOPUS
[n1] 2022 zz ~ Kizildag, S. - Koc, B. - Kurt, S. - Hosgörler, F. - Argon, A. - Ates, M. - Kizildag, S. - Harzadin, N. U.: European Review for Medical and Pharmacological Sciences, roč. 26, č. 18, 2022, s. 6533-6535 -- SCOPUS

	2022, s. 6523-6535 -- SCOPUS [n1] 2022 zz ~ Dastgerdi, A. H. - Rad, M. G. - Soltani, N.: Advanced Biomedical Research, roč. 11, č. 1, 2022, s. 54 -- SCI ; SCOPUS [n1] 2022 zz ~ Tirpák, F. - Halo, M. - Tomka, M. - Slanina, T. - Tokárová, K. - Blaszczyk-Altman, M. - Dianová, L. - Ivanič, P. - Kirchner, R. - Gren, A. - Lukáč, N. - Massányi, P.: Antioxidants, roč. 11, č. 9, 2022, čl. č. 1796 -- SCI ;SCOPUS [n1] 2022 zz ~ Negru, A. G. - Pastorcici, A. - Crisan, S. - Cismaru, G. - Popescu, F. G. - Luca, C. T.: Biomedicines, roč. 10, č. 10, 2022, čl. č. 2356 -- SCI ; SCOPUS
5	Baranovicova, Eva - Galanda, Tomas - Galanda, Miroslav - Hatok, Jozef - Kolarovszki, Branislav - Richterova, Romana - Racay, Peter: Metabolomic profiling of blood plasma in patients with primary brain tumours: Basal plasma metabolites correlated with tumour grade and plasma biomarker analysis predicts feasibility of the successful statistical discrimination from healthy subjects - a preliminary study. In: IUBMB Life - Roč. 71, č. 12 (2019), s. [1-9] [print]. - ISSN (print) 1521-6543 Regitered (8): [o1] 2020 Mitruka, M. - Gore, C. R. - Kumar, A. - Sarode, S. C. - Sharma, N. K.: Frontiers in Oncology, roč. 10, 2020, čl. č. 908 - SCI ; SCOPUS [o1] 2020 Oreškovic, D. - Almahariq, F. - Majic, A. - Sesar, P. - Živkovic, M. - Marakovic, J. - Marčinkovic, P. - Predrijevac, N. - Vukovic, P. - Chudy, D.: IUBMB Life, roč. 72, č. 7, 2020, s. 1426-1432 - SCI ; SCOPUS [o1] 2020 Martins, F. - Goncalves, L. G. - Pojo, M. - Serpa, J.: Biomolecules, roč. 10, č. 10, 2020, čl. č. 1370 - SCOPUS [o1] 2021 Ruiz-Rodado, V. - Brender, J. R. - Cherukuri, M. K. - Gilbert, M. R. - Larion, M.: Progress in Nuclear Magnetic Resonance Spectroscopy, roč. 122, 2021, s. 23-41 - SCOPUS [o1] 2021 Cherkasova, O. - Peng, Y. - Konnikova, M. - Kistenev, Y. - Shi, C. - Vrazhnov, D. - Shevelev, O. - Zavjalov, E. - Kuznetsov, S. - Shkurinov, A.: Photonics, roč. 8, č. 1, 2021, čl. č. 22, 2021 - SCI ; SCOPUS [o1] 2021 Bobeff, E. J. - Szczesna, D. - Bienkowski, M. - Janczar, K. - Chmielewska-Kassassir, M. - Wisniewski, K. - Papierz, W. - Wozniak, L. A. - Jaskólski, D. J.: Amino Acids, roč. 53, č. 1, 2021, s. 119-132 - SCI ; SCOPUS [o1] 2021 Bgatova, N. - Taskaeva, I. - Makarova, V.: Ultrastructural Pathology, roč. 45, č. 3, 2021, s. 212-223 - SCI ; SCOPUS [o1] 2021 Ali, H. - Harting, R. - de Vries, R. - Ali, M. - Wurdinger, T. - Best, M. G.: Frontiers in Oncology, roč. 11, 2021, čl. č. 665235 - SCI ; SCOPUS [n1] 2022 zz ~ Pienkowski, T. - Kowalczyk, T. - Garcia-Romero, N. - Ayuso-Sacido, A. - Ciborowski, M.: Biochimica et Biophysica Acta - Reviews on Cancer, roč. 1877, č. 3, 2022, čl. č. 188721 -- SCI ; SCOPUS [n1] 2022 zz ~ Vrazhnov, D. - Knyazkova, A. - Konnikova, M. - Shevelev, O. - Razumov, I. - Zavjalov, E. - Kistenev, Y. - Shkurinov, A. - Cherkasova, O.: Analysis of Mouse Blood Serum in the Dynamics of U87 Glioblastoma by TerahertzSpectroscopy and Machine Learning. In: Applied Sciences, roč. 12, č. 20, 2022, čl. č. 10533 -- SCI ; SCOPUS

VI.5 - Participation in conducting (leading) the most important research projects or art projects over the last six years

1	APVV-16-0033 The role of intracellular organelles and their interactions in the process of protein synthesis, modifications and degradation related to ischemia induced delayed neuronal death. Principal investigator
2	VEGA 1/0277/18 Effect of alterations of expression of magnesium transporters on mechanisms of cell response in different models of endoplasmic reticulum stress. Principal investigator
3	2019/47-UKMT-10 Analysis of morphologic and biochemical changes of nerve fibres in human skin in neurodegenerative diseases. Principal investigator

VII. - Overview of organizational experience related to higher education and research/artistic/other activities

VII.a - Activity, position	VII.b - Name of the institution, board	VII.c - Duration
Member of editorial board	An international journal General Physiology and Biophysics"	2019 - present
Member of editorial board	An international journal Experimental and Therapeutic Medicine"	2020 - present
Member of committee	Slovak Society for Biochemistry and Molecular Biology	2019 - present
Member of the Departmental Committee of the Study Department 4.1.22 Biochemistry	Faculty of Chemical and Food Technology STU	2019 - present
Member of Commission no. 9 for medical and pharmaceutical sciences	VEGA Mininstry of education, science, reasearch and sport Slovak Republic, Slovak Academy of Science	2021 - present
Member of the Commission for Medical and Pharmaceutical Sciences	Slovak Research and Development Agency	2021 - present

VIII. - Overview of international mobilities and visits oriented on education and research/artistic/other activities in the given field of study

VIII.a - Name of the institution	VIII.b - Address of the institution	VIII.c - Duration (indicate the duration of stay)	VIII.d - Mobility scheme, employment contract, other (describe)
University of Fribourg	Fribourg, Switzerland	1.11.1998 - 31.10.2002	Employment contract

IX. - Other relevant facts

Date of last update	26.10.2023