LSMU NEUROMOKSLŲ INSTITUTO BIOFIZIKOS IR BIOINFORMATIKOS LABORATORIJA

Svarbiausios 2021 m. – 2011 m. publikacijos Thomson

Reuters DB pagrindinio sąrašo leidiniuose

Clarivate Analytics Journal Citation Reports sąrašo leidiniuose

1. Gečaitė-Stončienė, Julija; **Saudargienė, Aušra**; Pranckevičienė, Aistė; Liaugaudaitė, Vilma; Griškova-Bulanova, Inga; Šimkutė, Dovilė; Naginienė, Rima; **Dainauskas, Laurynas Linas**; Čeidaitė, Gintarė; Burkauskas, Julius. Impulsivity Mediates Associations Between Problematic Internet Use, Anxiety, and Depressive Symptoms in Students: A Cross-Sectional COVID-19 Study // Frontiers in psychiatry. Switzerland : Frontiers Research Foundation. ISSN 1664-0640, 2021, vol. 12, p. 1-8. doi:10.3389/fpsyt.2021.634464. Prieiga per internetą: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7901993/>. Social Sciences Citation Index (Web of Science); Science Citation Index Expanded (Web of Science); PubMed; Scopus. [S1] [M.kr.: S006, N011] [Citav. rodiklis: 4.157, bendr. cit. rod.: 4.193, kvartilis: Q2 (2020. InCites JCR SSCI)] [Indėlis: 0,15]

2. Umbrasas, Danielius; **Čižas, Paulius**; Arandarčikaitė, Odeta; Vanagas, Tadas; Borutaitė, Vilmantė. Effects of itaconic acid on neuronal viability and brain mitochondrial functions // Journal of bioenergetics and biomembranes. New York, NY : Springer. ISSN 0145-479X, 2021, vol. 53, no. 5, p. 499-511. doi:10.1007/s10863-021-09911-6. Prieiga per internetą: <https://pubmed.ncbi.nlm.nih.gov/34240271/> <https://doi.org/10.1007/s10863-021-09911-6>. Science Citation Index Expanded (Web of Science); PubMed; Scopus; Biological Abstracts; BIOSIS Previews. [S1] [M.kr.: N004] [Citav. rodiklis: 2.945, bendr. cit. rod.: 5.926, kvartilis: Q3 (2020. InCites JCR SCIE)] [Indėlis: 0,2]

3. Urbanavičiūtė, Rūta; **Petrolis, Robertas**; Tamašauskas, Arimantas; Skiriutė, Daina; **Kriščiukaitis, Algimantas**. Advanced image analysis-based evaluation of protein antibody microarray chemiluminescence signal improves glioma type identification by blood serum proteins concentrations // Computer methods and programs in biomedicine. Limerick : Elsevier Ireland LTD. ISSN 0169-2607, 2021, vol. 211, p. 1-7. doi:10.1016/j.cmpb.2021.106416. Prieiga per internetą: <https://pubmed.ncbi.nlm.nih.gov/34563894/>. Science Citation Index Expanded (Web of Science); MEDLINE. [S1] [M.kr.: N010, N011] [Citav. rodiklis: 5.428, bendr. cit. rod.: 4.104, kvartilis: Q1 (2020. InCites JCR SCIE)] [Indėlis: 0,4]

4. Urbanavičiūtė, Rūta; Zabitaitė, Rūta; **Kriščiukaitis, Algimantas**; Deltuva, Vytenis Pranas; Skiriutė, Daina. Serum protein triplet TGF-β1, TIMP-1, and YKL-40 serve as diagnostic and prognostic profile for astrocytoma // Scientific reports. London: Nature Publishing Group. ISSN 2045-2322, 2021, vol. 11, no. 1, p. 1-8. doi:10.1038/s41598-021-92328-3. Prieiga per internetą: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8222249/>. Science Citation Index Expanded (Web of Science); PubMed; Scopus. [S1] [M.kr.: N010, N011] [Citav. rodiklis: 4.379, bendr. cit. rod.: 6.44, kvartilis: Q1 (2020. InCites JCR SCIE)] [Indėlis: 0,2]

5. Manninen, Tiina; **Saudargienė, Aušra**; Linne, Marja-Leena. Astrocyte-mediated spike-timing-dependent long-term depression modulates synaptic properties in the developing cortex // PLoS computational biology. San Francisco, CA : Public Library of Science. ISSN 1553-734X, 2020, vol. 16, no. 11, p. 1-29. doi:10.1371/journal.pcbi.1008360. Prieiga per internetą: <https://pubmed.ncbi.nlm.nih.gov/33170856/>

6. <https://doi.org/10.1371/journal.pcbi.1008360>. Science Citation Index Expanded (Web of Science); MEDLINE.[S1] [Citav. rodiklis: 4.7, bendr. cit. rod.: 3.305 , kvartilis: Q1 (2019. InCites JCR SCIE)] [M.kr.: N011] [Indėlis: 0,167]

7. Škėmienė, Kristina; Rekuvienė, Evelina; Jekabsone, Aistė; **Čižas, Paulius**; Morkūnienė, Ramunė; Borutaitė, Vilmantė. Comparison of Effects of Metformin, Phenformin, and Inhibitors of Mitochondrial Complex I on Mitochondrial Permeability Transition and Ischemic Brain Injury // Biomolecules. Basel : MDPI. ISSN 2218-273X, 2020, vol. 10, no. 10, p. 1-17. doi:10.3390/biom10101400. Prieiga per internetą:

8. <https://pubmed.ncbi.nlm.nih.gov/33019635/> <https://doi.org/10.3390/biom10101400 ->. Science Citation Index Expanded (Web of Science); MEDLINE. [S1] [Citav. rodiklis: 4.082, bendr. cit. rod.: 4.694 , kvartilis: Q2(2019. InCites JCR SCIE)] [M.kr.: N004] [Indėlis: 0,167]

9. Bunevičius, Adomas; Laws, Edward R; **Saudargienė, Aušra**; Tamašauskas, Arimantas; Iervasi, Giorgio;

Deltuva, Vytenis Pranas; Smith, Timothy R; Bunevičius, Robertas. Common genetic variations of deiodinase genes and prognosis of brain tumor patients : original article // Endocrine. New York : Humana Press. ISSN

10. 1355-008X. eISSN 1559-0100. 2019, vol. 00, no. 00, p. 1-10. DOI: 10.1007/s12020-019-02016-6. [SpringerLink;

11. MEDLINE; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 3,296, bendr. cit. rod.: 4,248, kvartilis: Q2 (2018, InCites JCR SCIE)] [M.kr.: M 001]

12. Ramonaite, Rima; **Petrolis, Robertas**; Unay, Simge; Kiudelis, Gediminas; Skiecevicienė, Jurgita; Kupcinskas, Limas; Bilgin, Mehmet Dincer; **Kriščiukaitis, Algimantas**. Mathematical morphology-based imaging of gastrointestinal cancer cell motility and 5-aminolevulinic acid-induced fluorescence // Biomedical Engineering - Biomedizinische Technik. Berlin : Walter de Gruyter Publishers. ISSN 0013-5585. eISSN 1862-278X. 2019, vol.64, no. 6, p. 711-720. DOI: 10.1515/bmt-2018-0197. [MEDLINE; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1,007, bendr. cit. rod.: 3,143, kvartilis: Q4 (2018, InCites JCR SCIE)] [M.kr.: N 011, M 001]

13. Raškinis, Gailius; Paškauskaitė, Gintarė; **Saudargienė, Aušra**; Kazlauskienė, Asta; Vaičiūnas, Airenas. Comparison of phonemic and graphemic word to sub-word unit mappings for Lithuanian phone-level speech transcription // Informatica. Vilnius : Vilniaus universitetas. ISSN 0868-4952. eISSN 1822-8844. 2019, vol. 30, iss. 3, p. 573-593. DOI: 10.15388/Informatica.2019.219. [Scopus; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1,928, bendr. cit. rod.: 2,188, kvartilis: Q1 (2018, InCites JCR SCIE)] [M.kr.: N 011, T 007]

14. Butnorienė, Jūratė; Steiblienė, Vesta; **Saudargienė, Aušra**; Bunevičius, Adomas. Does presence of metabolic syndrome impact anxiety and depressive disorder screening results in middle aged and elderly individuals? A population based study // BMC psychiatry. London : BioMed Central. eISSN 1471-244X. 2018, vol. 18, no. 1, p.1-10. (Research article). DOI: 10.1186/s12888-017-1576-8. [DOAJ; Scopus; MEDLINE; Science Citation IndexExpanded (Web of Science); IndexCopernicus] [Citav. rod.: 2,419 (2017, SCIE)] [M.kr.: 06B]

15. Buteikienė, Dovilė; **Kybartaitė-Žilienė, Asta**; Kriaučiūnienė, Loresa; Barzdžiukas, Valerijus; Janulevičienė, Ingrida; Paunksnis, Alvydas. Morphometric parameters of the optic disk in normal and glaucomatous eyes based on time-domain optical coherence tomography image analysis // Medicina. Wrocław: Elsevier. ISSN 1010-660X.2017, vol. 53, no. 4, p. 242-252. DOI: 10.1016/j.medici.2017.05.007. [Scopus; MEDLINE; Science Citation Index Expanded (Web of Science); IndexCopernicus] [Citav. rod.: 0,802 (2016, SCIE)] [M.kr.: 06B]

16. Stanislovaitienė, Daiva; Žaliūnienė, Dalia; **Kriščiukaitis, Algimantas**; **Petrolis, Robertas**; Smalinskienė, Alina;Lesauskaitė, Vita; Tamošiūnas, Abdonas; Lesauskaitė, Vaiva. SCARB1 rs5888 is associated with the risk of age-related macular degeneration susceptibility and an impaired macular area // Ophthalmic genetics. London: Informa Healthcare. ISSN 1381-6810. eISSN 1744-5094. 2017, vol. 38, no. 3, p. 233-237. DOI:

17. 10.1080/13816810.2016.1203442. [Scopus; MEDLINE; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1,277 (2016, SCIE)] [M.kr.: 06B]

18. Kybartaitė-Žilienė, Asta; Gelžinis, Arvydas; **Kriščiukaitis, Algimantas.** A method for reconstruction of visuallyevoked potentials from limited amount of sweeps // Biomedizinische Technik. Biomedical engineering. Berlin: Walter de Gruyter Publishers. ISSN: 0013-5585, eISSN: 1862-278X. 2016, vol. 61, iss. 6, p. 579-586. DOI: 10.1515/bmt-2015-0088. [MEDLINE; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1,650 (2015, SCIE)] [M.kr.: 02B]

19. Stanislovaitienė, Daiva; Žaliūnienė, Dalia; **Kriščiukaitis, Algimantas; Petrolis, Robertas;** Smalinskienė, Alina;Lesauskaitė, Vita; Tamošiūnas, Abdonas; Lesauskaitė, Vaiva. SCARB1 rs5888 is associated with the risk of age-related macular degeneration susceptibility and an impaired macular area // Ophthalmic genetics. London: Informa Healthcare. ISSN: 1381-6810. 2016, vol. 00, no. 00, p. 00-00. DOI: 10.1080/13816810.2016.1203442. [MEDLINE; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1,886 (2015, SCIE)] [M.kr.: 06B

20. Kybartaitė-Žilienė, Asta; Gelžinis, Arvydas; Kriščiukaitis, Algimantas. A method for reconstruction of visually evoked potentials from limited amount of sweeps // Biomedizinische Technik. Biomedical engineering. Berlin: Walter de Gruyter Publishers. ISSN 0013-5585. 2015, vol. 00, iss. 00, p. 00-00. Prieiga per internetą:

21. <http://www.degruyter.com/view/j/bmte.ahead-of-print/bmt-2015-0088/bmt-2015-0088.xml?format=INT>. [Science Citation Index Expanded (Web of Science)]. IF: 1.458 (2014) (M).

22. Petrolis, Robertas; Ramonaitė, Rima; Jančiauskas, Dainius; Kupčinskas, Juozas; Pečiulis, Rokas; Kupčinskas, Limas; Kriščiukaitis, Algimantas. Digital imaging of colon tissue: method for evaluation of inflammation severity by spatial frequency features of the histological images // Diagnostic pathology [electronic resource]. [London]: BioMed Central. (Research). ISSN 1746-1596. 2015, vol. 10, no. 1, p. 1-10 : pav, lent. Prieiga per internetą: <http://www.diagnosticpathology.org/content/pdf/s13000-015-0389-7.pdf>. [Science Citation Index Expanded (Web of Science); MEDLINE; CAS; Index Copernicus; Scopus]. IF: 2.597 (2014) (M).

23. Petrolis, Robertas; Gintautas, Vladas; Kriščiukaitis, Algimantas. Multi stage principal component analysis basedmethod for abdominal ECG decomposition // Physiological measurement. Bristol, UK: IOP Pub. Ltd. ISSN 0967-3334. 2015, vol. 36, no. 2, p. 329-340. Prieiga per internetą:

24. <http://www.ncbi.nlm.nih.gov/pubmed/25605504>. [Science Citation Index Expanded (Web of Science); MEDLINE; Scopus; EMBASE/Excerpta Medica; EMBiology; NASA Astrophysical Data System]. IF: 1.617 (2013) (M).

25. Morkūnienė, Ramunė; Čižas, Paulius; Jankevičiūtė, Silvija; Petrolis, Robertas; Arandarčikaitė, Odeta; Kriščiukaitis, Algimantas; Borutaitė, Vilmantė. Small Aβ1-42 475475: Role of N-methyl-D-aspartate receptors //Journal of neuroscience research. New York, NY: Wiley Interscience. ISSN 0360-4012. 2015, vol. 93, no. 3, p. 475-486 : pav. [Science Citation Index Expanded (Web of Science); MEDLINE; Scopus]. IF: 2.729 (2013) (M).

26. Kriščiukaitis, Algimantas; Šimoliūnienė, Renata; Macas, Andrius; Petrolis, Robertas; Drėgūnas, Kęstutis; Bakšytė, Giedrė; Pieteris, Linas; Bertašienė, Zita; Žaliūnas, Remigijus. Detection and evaluation of ventricular repolarization alternans: An approach to combined ECG, thoracic impedance, and beat-to-beat heart rate variability analysis // Medicina. Amsterdam : Elsevier. (Original research article). ISSN 1010-660X. 2014, vol. 50, no. 6, p. 345-352 : pav, lent. Prieiga per internetą: http://ac.els-cdn.com/S1010660X14001104/1-s2.0-S1010660X14001104-main.pdf?_tid=b7e45678-7a16-11e4-96aa-00000aab0f02&acdnat=1417520052_678d9ddb63c21d5d71b6ec308badd666

27. Morkūnienė, Ramunė; Čižas, Paulius; Jankevičiūtė, Silvija; Petrolis, Robertas; Arandarčikaitė, Odeta; Kriščiukaitis, Algimantas; Borutaitė, Vilmantė. Small Aβ1-42 oligomer-induced membrane depolarization of neuronal and microglial cells: Role of N-methyl-D-aspartate receptors // Journal of neuroscience research. New York, NY : Wiley Interscience. ISSN 0360-4012. 2014

28. Ablonskytė-Dūdonienė, Rūta; Bakšytė, Giedrė; Čeponienė, Indrė; Kriščiukaitis, Algimantas; Dregūnas, Kęstutis;Ereminienė, Eglė. Prognosis of in-hospital myocardial infarction course for diabetic and nondiabetic patients using a noninvasive evaluation of hemodynamics and heart rate variability // Medicina. Kaunas: Lietuvos sveikatos mokslų universitetas. (Clinical investigations). ISSN 1010-660X. 2013, t. 49, Nr. 6, p. 262-272 : pav, lent. Prieiga per internetą: <http://medicina.kmu.lt/1306/1306-03e.pdf>. [Science Citation Index Expanded (Webof Science); MEDLINE; Index Copernicus; DOAJ]. IF: 0.550 (2012) (M).

29. Krakauskaitė, Solventa; Šimoliūnienė, Renata; Petrolis, Robertas; Kriščiukaitis, Algimantas. Peculiarities of multivariate analysis based methods for detection and evaluation of ECG T-wave // Elektronika ir elektrotechnika

30. = Electronics and electrical engineering. Kaunas: Technologija. (Signal technology). ISSN 1392-1215. 2013, vol.19, no. 9, p. 85-88 : pav. Prieiga per internetą: <http://www.eejournal.ktu.lt/index.php/elt/article/view/5655>. [Science Citation Index Expanded (Web of Science); CSA / ASCE Civil Engineering Abstracts; Current Abstracts; INSPEC; VINITI]. IF: 0.41 (2012) (M).

31. Morkūnienė, Ramunė; Žvirblienė, Aurelija; Dalgedienė, Indrė; Čižas, Paulius; Jankevičiūtė, Silvija; Baliūtytė, Giedrė; Jokubka, Ramunas; Jankunec, Marija; Valinčius, Gintaras; Borutaitė, Vilmantė. Antibodies bound to Aβoligomers potentiate the neurotoxicity of Aβ by activating microglia // Journal of Neurochemistry. Oxford, UK:

32. Blackwell Science. (Original article). ISSN 0022-3042. 2013, vol. 126, iss. 5, p. 604-615 : pav. Prieiga per internetą: <http://www.ncbi.nlm.nih.gov/pubmed/23745639>. [Science Citation Index Expanded (Web of Science); MEDLINE]. IF: 4.061 (2011) (M).

33. Ramonaitė, Rima; Skiecevičienė, Jurgita; Kiudelis, Gediminas; Jonaitis, Laimas Virginijus; Tamelis, Algimantas;Čižas, Paulius; Borutaitė, Vilmantė; Kupčinskas, Limas. Influence of NADPH oxidase on inflammatory responsein primary intestinal epithelial cells in patients with ulcerative colitis // BMC gastroenterology [electronic resource]. London: BioMed Central. (Research article). ISSN 1471-230X. 2013, vol. 13, 1 skelb. (no. 159). Prieiga per internetą: <http://www.ncbi.nlm.nih.gov/pubmed/24229374>. [Science Citation Index Expanded (Web of Science); MEDLINE; CABI; CAS; DOAJ; Embase; Global Health; Google Scholar; Index Copernicus; Scopus]. IF: 2.11 (2012) (M).

34. Ablonskytė-Dūdonienė, Rūta; Bakšytė, Giedrė; Čeponienė, Indrė; Kriščiukaitis, Algimantas; Drėgūnas, Kęstutis;Ereminienė, Eglė. Impedance cardiography and heart rate variability for long-term cardiovascular outcome prediction after myocardial infarction ė // Medicina. Kaunas : Lietuvos sveikatos mokslų universitetas. (Clinical investigations). ISSN 1010-660X. 2012, t. 48, Nr. 7, p. 350-358 : lent. Prieiga per internetą:

35. <http://medicina.kmu.lt/1207/1207-04e.pdf>. [Science Citation Index Expanded (Web of Science); MEDLINE; Index Copernicus; DOAJ]. [Citav. rod.: 0,423 (2011)][Indėlis: 0,167; indeksas: 0,071]

36. Čižas, Paulius; Jekabsone, Aistė; Borutaitė, Vilmantė; Morkūnienė, Ramunė. Prevention of Amyloid-Beta Oligomer-Induced Neuronal Death by EGTA, Estradiol, and Endocytosis Inhibitor // Medicina. Kaunas :

Lietuvos sveikatos mokslų universitetas. (Eksperimentiniai tyrimai). ISSN 1010-660X. 2011, t. 47, Nr. 2, p. 107-

37. 112. Prieiga per internetą: <http://medicina.kmu.lt/1102/1102-06e.pdf>. [Science Citation Index Expanded (Webof Science); MEDLINE; Index Copernicus; DOAJ]. [Citav. rod.: 0,423][Indėlis: 0,25; indeksas: 0,106]

38. Kriščiukaitis, Algimantas; Macas, Andrius; Šimoliūnienė, Renata; Petrolis, Robertas; Bertašienė, Zita. Novel approach to chest impedance signal analysis // Biosignals 2011 : Proceedings of the International Conference on Bio-Inspired Systems and Signal Processing : January 26-29, Rome, Italy, 2011 / Edited by Fabio Babiloni, et al.Lisboa, Portugal : SciTePress - Science and Technology Publications, 2011. (Biosignals - International Conference on Bio-Inspired Systems and Signal Processing.). ISBN 978-989-8425-35-5. p. 526-529 : pav. [Conference Proceedings Citation Index].[Indėlis: 0,2]

39. Kriščiukaitis, Algimantas; Šimoliūnienė, Renata; Macas, Andrius; Bakšytė, Giedrė; Šaferis, Viktoras; Žaliūnas, Remigijus. Methods for monitoring and prognosis of clinical status of patients in acute phase of myocardial infarction for computer network based clinical decision support system // Biomedical Signal Processing and Control. Kidlington, Oxford : Elsevier Science. ISSN 1746-8094. 2011, vol. 6, iss. 3, spec. iss.Sl, p. 244-250. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S1746809410000790>. [Science CitationIndex Expanded (Web of Science)]. [Citav. rod.: 1][Indėlis: 0,167; indeksas: 0,167]