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MOKSLO IR KITŲ DARBŲ SĄRAŠAS

Gamtos, technologijos, medicinos ir sveikatos bei žemės ūkio mokslai (NTMA)

STRAIPSNIAI RECENZUOJAMUOSE MOKSLO LEIDINIUOSE

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Tarptautinėse (užsienio) leidyklose

- [S1; RS; OA] **Jančaitienė, Kristina; Šlinkšienė, Rasa**. Influence of cellulose additive on the granulation process of potassium dihydrogen phosphate // Chemical industry and chemical engineering quarterly. Belgrade : Association of Chemical Engineers of Serbia. ISSN 1451-9372. eISSN 2217-7434. 2020, vol. 26, iss. 4, p. 359-367. DOI: 10.2298/CICEQ191029013J. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 0,638; AIF: 5,547; IF/AIF: 0,115; Q4 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 1,000]
- [S1; CH; OA] Zervas, Athanasios; Aggerbeck, Marie Rønne; Allaga, Henrietta; Güzel, Mustafa; Hendriks, Marc; **Jonuškienė, Iona**; Kedves, Orsolya; Kupeli, Ayse; Lamovšek, Janja; Mülner, Pascal; Munday, Denise; Namli, Şahin; Samut, Hilal; Tomičić, Ružica; Tomičić, Zorica; Yeni, Filiz; Zghal, Raida Zribi; Zhao, Xingchen; Sanchis-Borja, Vincent; Hendriksen, Niels Bohse. Identification and characterization of 33 *Bacillus cereus* sensu lato isolates from agricultural fields from eleven widely distributed countries by whole genome sequencing // Microorganisms. Basel : MDPI. ISSN 2076-2607. 2020, vol. 8, iss. 12, art. no. 2028, p. 1-17. DOI: 10.3390/microorganisms8122028. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 4,128; AIF: 5,079; IF/AIF: 0,812; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,050]
- [S1; US; OA] Al-Ashouri, Amran; Köhnen, Eike; Li, Bor; **Magomedov, Artiom**; Hempel, Hannes; Caprioglio, Pietro; Márquez, José A.; Vilches, Anna Belen Morales; **Kasparavicius, Ernestas**; Smith, Joel A.; Phung, Nga; Menzel, Dorothee; Grischek, Max; Kegelmann, Lukas; Skroblin, Dieter; Gollwitzer, Christian; **Malinauskas, Tadas**; Jošt, Marko; Matič, Gašper; Rech, Bernd; Schlattmann, Rutger; Topič, Marko; Korte, Lars; Abate, Antonio; Stannowski, Bernd; Neher, Dieter; Stölterfoht, Martin; Unold, Thomas; **Getautis, Vytautas**; Albrecht, Steve. Monolithic perovskite/silicon tandem solar cell with >29% efficiency by enhanced hole extraction // Science. Washington, DC : American Association for the Advancement of Science. ISSN 0036-8075. eISSN 1095-9203. 2020, vol. 370, iss. 6522, p. 1300-1309. DOI: 10.1126/science.abd4016. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 47,728; AIF: 6,440; IF/AIF: 7,411; Q1 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 0,132]
- [S1; GB] **Gudeika, Dalius; Nasiri, Sohrab; Mahmoudi, Malek; Dabrovolksas, Kęstutis**; Navozenko, Olexandr M.; Yashchuk, Valeriy V. Design, synthesis and structure-property relationship of fluorenone-based derivatives for fluorescent OLEDs // Molecular crystals and liquid crystals. Abingdon : Taylor & Francis. ISSN 1542-1406. eISSN 1563-5287. 2020, vol. 718, iss. 1, p. 1-15. DOI: 10.1080/15421406.2020.1861516. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 0,896; AIF: 5,170; IF/AIF: 0,173; Q4 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,668]
- [S1; CH; OA] Ivankov, Anatolii; Nauciene, Zita; Zukiene, Rasa; Degutyte-Fomins, Laima; Malakauskiene, Asta; **Kraujalis, Paulius; Venskutonis, Petras Rimantas**; Filatova, Irina; Lyushkevich, Veronika; Mildaziene, Vida. Changes in growth and production of non-psychotropic cannabinoids induced by pre-sowing treatment of hemp seeds with cold plasma, vacuum and electromagnetic field // Applied sciences. Basel : MDPI. ISSN 2076-3417. 2020, vol. 10, iss. 23, art. no. 8519, p. 1-14. DOI: 10.3390/app10238519. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 2,679; AIF: 5,354; IF/AIF: 0,500; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,200]
- [S1; NL] **Balciunaite, Eglė; Petrasauskiene, Neringa; Alaburdaite, Rasa; Jakubauskas, Gediminas; Paluckiene, Edita**. Formation and properties of mixed copper sulfide (Cu₂S) layers on polypropylene // Surfaces and interfaces. Amsterdam : Elsevier. ISSN 2468-0230. 2020, vol. 21, art. no. 100801, p. 1-18. DOI: 10.1016/j.surfin.2020.100801. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 4,837; AIF: 5,909; IF/AIF: 0,818; Q1 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 1,000]
- [S1; US; OA] Lee, Jiun-Haw; Chen, Chia-Hsun; Lin, Bo-Yen; Lan, Yi-Hsin; Huang, Yi-Mei; Chen, Nai-Jing; Huang, Jau-Jiun; **Volyniuk, Dmytro; Keruckiene, Rasa; Grazulevicius, Juozas Vidas**; Wu, Yuh-Renn; Leung, Man-Kit; Chiu, Tien-Lung. Bistriazoles with a biphenyl core derivative as an electron-favorable bipolar host of

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8. [S1; GB] **Cizeikiene, Dalia; Jagelaviciute, Jolita**; Stankevicius, Mantas; Maruska, Audrius Sigitas. Thermophilic lactic acid bacteria affect the characteristics of sourdough and whole-grain wheat bread // Food bioscience. Oxford : Elsevier. ISSN 2212-4292. eISSN 2212-4306. 2020, vol. 38, art. no. 100791, p. 1-10. DOI: 10.1016/j.fbio.2020.100791. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 4,240; AIF: 4,309; IF/AIF: 0,983; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,500]
9. [S1; CH; OA] Vadopalas, Laurynas; Ruzauskas, Modestas; Lele, Vita; Starkute, Vytaute; Zavistanaviciute, Paulina; Zokaityte, Egle; Bartkevics, Vadims; Pugajeva, Iveta; Reynolds, Ingars; Badaras, Sarūnas; Klupsaite, Dovile; Mozurienė, Erika; Dauksiene, Agila; **Gruzauskas, Romas**; Bartkiene, Elena. Combination of antimicrobial starters for feed fermentation: influence on piglet feces microbiota and health and growth performance, including mycotoxin biotransformation in vivo // Frontiers in veterinary science. Lausanne : Frontiers Media SA. ISSN 2297-1769. 2020, vol. 7, art. no. 528990, p. 1-17. DOI: 10.3389/fvets.2020.528990. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 3,412; AIF: 2,107; IF/AIF: 1,619; Q1 (2020, InCites JCR SCIE)] [M.kr.: A 003, T 005] [Indėlis: 0,066]
10. [S1; GB] Khan, Faizal; **Urbonas, Ervinas; Volyniuk, Dmytro; Grazulevicius, Juozas V.**; Mobin, Shaikh M.; Misra, Rajneesh. White hyperelectrofluorescence from solution-processable OLEDs based on phenothiazine substituted tetraphenylethylene derivatives // Journal of materials chemistry C. Cambridge : Royal Society of Chemistry. ISSN 2050-7526. eISSN 2050-7534. 2020, vol. 8, iss. 38, p. 13375-13388. DOI: 10.1039/d0tc03136d. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 7,393; AIF: 5,532; IF/AIF: 1,336; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,498]
11. [S1; CH; OA] **Dienaitė, Lijana; Pukalskienė, Milda**; Pereira, Carolina V.; Matias, Ana A.; **Venskutonis, Petras Rimantas**. Valorization of European cranberry bush (*Viburnum opulus* L.) berry pomace extracts isolated with pressurized ethanol and water by assessing their phytochemical composition, antioxidant, and antiproliferative activities // Foods. Basel : MDPI. ISSN 2304-8158. 2020, vol. 9, iss. 10, art. no. 1413, p. 1-23. DOI: 10.3390/foods9101413. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 4,350; AIF: 4,309; IF/AIF: 1,009; Q2 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 0,600]
12. [S1; GB; OA] **Keruckiene, R.; Guzauskas, M.; Lapienyte, L.; Simokaitiene, J.; Volyniuk, D.**; Cameron, J.; Skabara, P.J.; Sini, G.; **Grazulevicius, J.V.** An experimental and theoretical study of exciplex-forming compounds containing trifluorobiphenyl and 3,6-di-tert-butylcarbazole units and their performance in OLEDs // Journal of materials chemistry C. Cambridge : Royal society of chemistry. ISSN 2050-7526. eISSN 2050-7534. 2020, vol. 8, iss. 40, p. 14186-14195. DOI: 10.1039/d0tc02777d. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 7,393; AIF: 5,532; IF/AIF: 1,336; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,667]
13. [S1; CH; OA] **Ilginis, Arminas; Griškonis, Egidijus**. Modification of graphite felt with lead (II) formate and acetate—an approach for preparation of lightweight electrodes for a lead-acid battery // Processes. Basel : MDPI. ISSN 2227-9717. 2020, vol. 8, iss. 10, art. no. 1248, p. 1-14. DOI: 10.3390/pr8101248. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 2,847; AIF: 5,768; IF/AIF: 0,493; Q3 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 1,000]
14. [S1; US] **Paulauskas, R.; Martuzevičius, D.**; Patel, R. B.; Pelders, J. E. H.; Nijdam, S.; Dam, N. J.; **Tichonovas, M.**; Striūgas, N.; Zakarauskas, K. Biogas combustion with various oxidizers in a nanosecond DBD microplasma burner // Experimental thermal and fluid science. New York : Elsevier. ISSN 0894-1777. eISSN 1879-2286. 2020, vol. 118, art. no. 110166, p. 1-11. DOI: 10.1016/j.expthermflusci.2020.110166. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 3,232; AIF: 3,520; IF/AIF: 0,918; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 006, T 004] [Indėlis: 0,334]
15. [S1; GB] Hosseinneshad, Mozghan; **Nasiri, Sohrab**; Movahedi, Javad; Ghahari, Mehdi. Improving the efficiency of organic sensitizers with various anchoring groups for solar energy applications // Solar energy. Oxford : Elsevier. ISSN 0038-092X. 2020, vol. 211, p. 228-235. DOI: 10.1016/j.solener.2020.09.074. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 5,742; AIF: 7,341; IF/AIF: 0,782; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,250]
16. [S1; CH; OA] Ruzauskas, Modestas; Bartkiene, Elena; Stankevicius, Arunas; Bernatoniene, Jurga; **Zadeike, Daiva**; Lele, Vita; Starkute, Vytaute; Zavistanaviciute, Paulina; Grigas, Juozas; Zokaityte, Egle; Pautienius, Arnoldas; **Juodeikiene, Grazina**; Jakstas, Valdas. The influence of essential oils on gut microbial profiles in pigs // Animals. Basel : MDPI. ISSN 2076-2615. 2020, vol. 10, iss. 10, art. no. 1734, p. 1-18. DOI: 10.3390/ani10101734. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 2,752; AIF: 2,231; IF/AIF: 1,233; Q1 (2020, InCites JCR SCIE)] [M.kr.: A 003, N 004, T 005] [Indėlis: 0,152]
17. [S1; NL] **Rosliuk, Deimante; Rutkaite, Ramune**; Ivanauskas, Liudas; Jakstas, Valdas. Interaction between cross-linked cationic starch microgranules and chlorogenic acid isomers in artichoke and green coffee bean

aqueous extracts // *Journal of chromatography B*. Amsterdam : Elsevier. ISSN 1570-0232. eISSN 1873-376X. 2020, vol. 1160, art. no. 122385, p. 1-7. DOI: 10.1016/j.jchromb.2020.122385. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 3,205; AIF: 4,356; IF/AIF: 0,735; Q2 (2020, InCites JCR SCIE)] [M.kr.: M 003, T 005] [Indėlis: 0,500]

18. [S1; CH; OA] Kavaliauskas, Povilas; **Grybaite, Birutė; Mickevicius, Vytautas**; Petraitiene, Ruta; Grigaleviciute, Ramune; Planciuniene, Rita; Gialanella, Philip; Pockevicius, Alius; Petraitis, Vidmantas. Synthesis, ADMET properties, and in vitro antimicrobial and antibiofilm activity of 5-nitro-2-thiophenecarbaldehyde N-((E)-(5-nitrothienyl)methylidene)hydrazone (KTU-286) against *Staphylococcus aureus* with defined resistance mechanisms // *Antibiotics*. Basel : MDPI. ISSN 2079-6382. 2020, vol. 9, iss. 9, art. no. 612, p. 1-17. DOI: 10.3390/antibiotics9090612. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 4,639; AIF: 4,271; IF/AIF: 1,086; Q2 (2020, InCites JCR SCIE)] [M.kr.: N 003, N 004] [Indėlis: 0,222]
19. [S1; GB; OA] **Smigelskyte, Agne; Siauciunas, Raimundas**; Hilbig, Harald; Decker, Marco; Urbonas, Liudvikas; Skripkiunas, Gintautas. Carbonated rankinite binder: effect of curing parameters on microstructure, strength development and durability performance // *Scientific reports*. London : Springer Nature. ISSN 2045-2322. 2020, vol. 10, iss. 1, art. no. 14462, p. 1-13. DOI: 10.1038/s41598-020-71270-w. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 4,380; AIF: 6,440; IF/AIF: 0,680; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 008, T 005] [Indėlis: 0,336]
20. [S1; CH; OA] Sarv, Viive; **Venskutonis, Petras Rimantas**; Bhat, Rajeev. The *Sorbus* spp.—underutilised plants for foods and nutraceuticals: review on polyphenolic phytochemicals and antioxidant potential // *Antioxidants*. Basel : MDPI. ISSN 2076-3921. 2020, vol. 9, iss. 9, art. no. 813, p. 1-23. DOI: 10.3390/antiox9090813. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 6,313; AIF: 4,708; IF/AIF: 1,340; Q1 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 0,166]
21. [S1; CH; OA] Bolskis, Evaldas; Adomavičiūtė, Erika; **Griškonis, Egidijus**; Norvydas, Valdas. Influence of myrrh extracts on the properties of PLA films and melt-spun multifilament yarns // *Materials*. Basel : MDPI. ISSN 1996-1944. 2020, vol. 13, iss. 17, art. no. 3824, p. 1-14. DOI: 10.3390/ma13173824. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 3,623; AIF: 5,678; IF/AIF: 0,638; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 008, N 003] [Indėlis: 0,250]
22. [S1; CH; OA] Rabiei, Marzieh; Palevicius, Arvydas; Monshi, Ahmad; **Nasiri, Sohrab**; Vilkauskas, Andrius; Janusas, Giedrius. Comparing methods for calculating nano crystal size of natural hydroxyapatite using X-Ray diffraction // *Nanomaterials*. Basel : MDPI. ISSN 2079-4991. 2020, vol. 10, iss. 9, art. no. 1627, p. 1-21. DOI: 10.3390/nano10091627. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 5,076; AIF: 6,588; IF/AIF: 0,770; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 009, T 008] [Indėlis: 0,166]
23. [S1; CH; OA] Urbanavičiūtė, Ieva; Liaudanskas, Mindaugas; Bobinas, Česlovas; **Šarkinas, Antanas**; Rezgienė, Aistė; Viskelis, Pranas. Japanese quince (*Chaenomeles japonica*) as a potential source of phenols: optimization of the extraction parameters and assessment of antiradical and antimicrobial activities // *Foods*. Basel : MDPI. ISSN 2304-8158. 2020, vol. 9, no. 8, art. no. 1132, p. 1-13. DOI: 10.3390/foods9081132. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 4,350; AIF: 4,309; IF/AIF: 1,009; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 005, M 003] [Indėlis: 0,083]
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25. [S1; NL] **Siauciunas, R.; Valanciene, V.** Influence of buckwheat hulls on the mineral composition and strength development of easily fusible clay body // *Applied clay science*. Amsterdam : Elsevier. ISSN 0169-1317. eISSN 1872-9053. 2020, vol. 197, art. no. 105794, p. 1-10. DOI: 10.1016/j.clay.2020.105794. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 5,467; AIF: 5,479; IF/AIF: 0,997; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 1,000]
26. [S1; DE] **Simanaitienė, Aušra; Barauskienė, Ieva**; Varnagiris, Šarūnas; Urbonavičius, Marius; **Šulčiūtė, Agnė**. Mixed zinc–cobalt oxide coatings for photocatalytic applications // *Applied physics A: Materials science and processing*. Heidelberg : Springer Nature. ISSN 0947-8396. eISSN 1432-0630. 2020, vol. 126, no. 9, art. no. 695, p. 1-14. DOI: 10.1007/s00339-020-03871-1. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 2,584; AIF: 5,532; IF/AIF: 0,467; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 006, N 003] [Indėlis: 0,600]
27. [S1; NL] **Almonaityte, Karolina; Bendoraitiene, Joana; Babelyte, Migle; Rosliuk, Deimante; Rutkaite, Ramune**. Structure and properties of cationic starches synthesized by using 3-chloro-2-hydroxypropyltrimethylammonium chloride // *International journal of biological macromolecules*. Amsterdam : Elsevier. ISSN 0141-8130. eISSN 1879-0003. 2020, vol. 164, p. 2010-2017. DOI: 10.1016/j.ijbiomac.2020.08.089. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 6,953; AIF: 5,267; IF/AIF: 1,320; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 1,000]

28. [S1; NL] **Bezvikonnyi, Oleksandr; Grybauskaitė-Kaminskiene, Gintare; Volyniuk, Dmytro; Simokaitiene, Jurate; Danyliv, Yan; Durgaryan, Ranush; Bucinskas, Audrius; Jatautienė, Egle; Hladka, Iryna; Scholz, Johannes; Starykov, Hryhorii; Grazulevicius, Juozas V.** 3,3'-Bicarbazole-based compounds as bipolar hosts for green and red phosphorescent organic light-emitting devices // *Materials science and engineering B: Solid-state materials for advanced technology*. Amsterdam : Elsevier. ISSN 0921-5107. eISSN 1873-4944. 2020, vol. 261, art. no. 114662, p. 1-8. DOI: 10.1016/j.mseb.2020.114662. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 4,051; AIF: 6,195; IF/AIF: 0,653; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 005] [Indėlis: 0,917]
29. [S1; CH; OA] **Griškonis, Egidijus; Ilginis, Arminas; Jonuškienė, Irena; Raslavičius, Laurencas; Jonynas, Rolandas; Kantminienė, Kristina.** Enhanced performance of microbial fuel cells with anodes from ethylenediamine and phenylenediamine modified graphite felt // *Processes*. Basel : MDPI. ISSN 2227-9717. 2020, vol. 8, iss. 8, art. no. 939, p. 1-15. DOI: 10.3390/pr8080939. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 2,847; AIF: 5,768; IF/AIF: 0,493; Q3 (2020, InCites JCR SCIE)] [M.kr.: T 006, N 003, T 005] [Indėlis: 0,668]
30. [S1; CH; OA] **Zokaityte, Egle; Cernauskas, Darius; Klupsaite, Dovile; Lele, Vita; Starkute, Vytaute; Zavistanaviciute, Paulina; Ruzauskas, Modestas; Gruzauskas, Romas; Juodeikiene, Grazina; Rocha, João Miguel; Bliznikas, Saulius; Viskelis, Pranas; Ruibys, Romas; Bartkiene, Elena.** Bioconversion of milk permeate with selected lactic acid bacteria strains and apple by-products into beverages with antimicrobial properties and enriched with galactooligosaccharides // *Microorganisms*. Basel : MDPI. ISSN 2076-2607. 2020, vol. 8, iss. 8, art. no. 1182, p. 1-26. DOI: 10.3390/microorganisms8081182. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 4,128; AIF: 5,079; IF/AIF: 0,812; Q2 (2020, InCites JCR SCIE)] [M.kr.: A 003, T 005] [Indėlis: 0,142]
31. [S1; NL] **Krucaite, Gintare; Blazelevicius, Dovydas; Tavgeniene, Daiva; Grigalevicius, Saulius; Lin, Chun-Han; Shao, Chang-Min; Chang, Chih-Hao.** Tetramer of triphenylamine and similar derivatives with bromine atoms as hole injecting/transporting materials for efficient red phosphorescent OLEDs // *Optical materials*. Amsterdam : Elsevier. ISSN 0925-3467. eISSN 1873-1252. 2020, vol. 108, art. no. 110225, p. 1-7. DOI: 10.1016/j.optmat.2020.110225. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 3,080; AIF: 4,623; IF/AIF: 0,666; Q2 (2020, InCites JCR SCIE)] [M.kr.: N 003] [Indėlis: 0,574]
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96. [S1; NL] **Juodeikiene, Grazina; Zadeike, Daiva; Trakselyte-Rupsiene, Karolina; Gasauskaitė, Kotryna**; Bartkiene, Elena; Lele, Vita; Viskelis, Pranas; Bernatoniene, Jurga; Ivanauskas, Liudas; Jakstas, Valdas. Functionalisation of flaxseed proteins assisted by ultrasonication to produce coatings enriched with raspberries phytochemicals // *LWT - Food science and technology*. Amsterdam : Elsevier. ISSN 0023-6438. eISSN 1096-1127. 2020, vol. 124, art. no. 109180, p. 1-10. DOI: 10.1016/j.lwt.2020.109180. [Science Citation Index Expanded (Web of Science)]; Scopus] [IF: 4,952; AIF: 4,309; IF/AIF: 1,149; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 005, A 003] [Indėlis: 0,400]
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151. [S1; GB; OA] Bartkiene, Elena; Zokaityte, Egle; Lele, Vita; Sakiene, Vytaute; Zavistanaviciute, Paulina; Klupsaite, Dovile; **Bendoraitiene, Joana; Navikaite-Snipaitiene, Vesta**; Ruzauskas, Modestas. Technology and characterisation of whole hemp seed beverages prepared from ultrasonicated and fermented whole seed paste // International journal of food science and technology. Oxford : Oxford University Press. ISSN 0950-5423. eISSN 1365-2621. 2020, vol. 55, no. 1, p. 406-419. DOI: 10.1111/ijfs.14285. [Science Citation Index Expanded (Web of Science); Scopus; BIOSIS Previews] [IF: 3,713; AIF: 4,309; IF/AIF: 0,861; Q2 (2020, InCites JCR SCIE)] [M.kr.: A 002, A 003, T 005] [Indėlis: 0,222]
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133. [T2; LT; OA] **Andriunaite, Paulina; Navikaite-Snipaitiene, Vesta; Rosliuk, Deimante**. Adsorption of ibuprofen from aqueous medium on chemically modified starch // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-9. ISBN 9786090703779. p. 337. [M.kr.: T 005]
134. [T2; LT; OA] **Kazlauskaitė, Jurga; Andrėja, Juodeikienė, Gražina; Žadeikė, Daiva**; Jakštas, Valdas; Bernatoniene, Jurga; Marksa, Mindaugas; Ivanauskas, Liudas; Bartkienė, Elena; Lėlė, Vita; Viškelis, Pranas. Antimicrobial nutraceuticals: raspberry press cakes combinations with essential oils and lab fermented bovine colostrum // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P4-8. ISBN 9786090703779. p. 435. [M.kr.: T 005, M 003, N 010]
135. [T2; LT; OA] **Žagunis, Marius; Tiso, Nikola; Mikašauskaitė, Jurgita**; Maruška, Audrius. Capacity of *Irpex lacteus* to decolorize various textile dyes // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P4-54. ISBN 9786090703779. p. 481. [M.kr.: T 005]
136. [T2; LT; OA] **Jatautė, Lina; Krylova, Valentina; Dukštienė, Nijolė**; Lelis, Martynas. Composition of Ag-In-Se layers deposited on PES/PVC surface // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-86. ISBN 9786090703779. p. 190. [M.kr.: N 005]
137. [T2; LT; OA] **Masimukku, Naveen; Gudeika, Dalius; Volyniuk, Dmytro; Grazulevicius, Juozas Vidas**. Design, preparation and studies of naphthalimide materials // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-50. ISBN 9786090703779. p. 154. [M.kr.: T 005]
138. [T2; LT; OA] **Samuel, Nizy Sara; Gudeika, Dalius**. Design, synthesis and investigation of coumarine-based derivatives // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-31. ISBN 9786090703779. p. 1. [M.kr.: T 005]
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140. [T2; LT; OA] **Bernard, Ronit Sebastine; Sych, Galyna; Nasiri, Sohrab; Bezvikonnyi, Oleksandr; Volyniuk, Dmytro**; Ariffin, Azhar; **Grazulevicius, Juozas V.** Effect of fluorine on electroactive materials with aggregation induced enhanced emission properties // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-28. ISBN 9786090703779. p. 356. [M.kr.: T 005]
141. [T2; LT; OA] **Vaitukaityte, Deimante**; Wang, Zhiping; **Malinauskas, Tadas; Magomedov, Artiom; Bubniene, Giedre**; Jankauskas, Vygtintas; Kamarauskas, Egidijus; **Getautis, Vytautas**; Snaith, Henry J. Efficient and stable perovskite solar cells using low-cost aniline-based enamine hole transporting materials // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, O4-3. ISBN 9786090703779. p. 46. [M.kr.: N 003]
142. [T2; LT; OA] **Mahmoudi, Malek; Gudeika, Dalius; Volyniuk, Dmytro; Grazulevicius, Juozas V.** Efficient non-doped OLEDs based on multi-carbazole derivatives substituted by different acceptors // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-106. ISBN 9786090703779. p. 210. [M.kr.: T 005]
143. [T2; LT; OA] **Rosliuk, Deimante; Liudvinaviciute, Dovile**; Loron, Anne; **Rutkaite, Ramune**; Coma, Véronique. Formation of chitosan and green coffee bean or artichoke extract complexes and their antifungal activity // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-8. ISBN 9786090703779. p. 336. [M.kr.: T 005]
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Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-10. ISBN 9786090703779. p. 338. [M.kr.: T 005]

145. [T2; LT; OA] **Naruseviciute, Ugne; Peculyte, Laura**. Influence of catalyst on synthesis and properties of starch acetate // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P2-31. ISBN 9786090703779. p. 244. [M.kr.: T 005]
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147. [T2; LT; OA] **Jakubauskas, Gediminas; Petrašauskienė, Neringa**. Investigation of copper selenide thin films deposited using the silar method at different temperatures // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-24. ISBN 9786090703779. p. 128. [M.kr.: N 003]
148. [T2; LT; OA] **Guzauskas, Matas; Narbutaitis, Edgaras; Volyniuk, Dmytro; Grazulevicius, Juozas Vidas**. Investigation of photo induced conformational changes in organic fluorescence emitters // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-21. ISBN 9786090703779. p. 349. [M.kr.: T 005]
149. [T2; LT; OA] **Steponaitis, Matas; Komskis, Regimantas; Kamarauskas, Egidijus; Malinauskas, Tadas; Jursenas, Saulius; Getautis, Vytautas**. Investigation of properties of triarylamine based quaternary ammonium salts // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, O4-1. ISBN 9786090703779. p. 44. [M.kr.: N 003]
150. [T2; LT; OA] **Leitonas, Karolis; Keruckiene, Rasa; Volyniuk, Dmytro; Grazulevicius, Juozas Vidas**. Investigation of room-temperature phosphorescence sensitivity to oxygen using benzotrifluoride and phenothiazine derivatives // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-5. ISBN 9786090703779. p. 333. [M.kr.: T 005]
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152. [T2; LT; OA] **Navikaite-Snipaitiene, Vesta; Rutkaite, Ramune; Rosliuk, Deimantė; Almonaityte, Karolina; Vaskeliene, Vaida; Raisutis, Renaldas**. Modified starch sorbents for the removal of diclofenac and ibuprofen from water // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-15. ISBN 9786090703779. p. 343. [M.kr.: T 005]
153. [T2; LT; OA] **Ilčiukaitė, Aistė; Daškevičienė, Marytė; Kamarauskas, Egidijus; Jankauskas, Vyginas; Getautis, Vytautas**. New fluorene derivatives as positive charge carriers for efficient perovskite solar cells // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-3. ISBN 9786090703779. p. 107. [M.kr.: N 003]
154. [T2; LT; OA] **Urbonaitė, Greta; Szabo, Tibor; Panajotović, Radmila; Vujin, Jasna; Tomašević-Ilić, Tijana; Bagdanavičiūtė, Ieva; Cseko, Richard; Hernadi, Klara; Varof, Gyorgy; Nagy, Laszlo**. Photoelectric activity of graphene/bacterial reaction center nanocomposite // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P2-64. ISBN 9786090703779. p. 277. [M.kr.: T 005]
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156. [T2; LT; OA] **Durgaryan, Ranush; Danyliv, Yan; Volyniuk, Dmytro; Gražulevičius, Juozas Vidas**. Simply designed hole transporting materials for efficient perovskite solar cells // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P2-39. ISBN 9786090703779. p. 252. [M.kr.: T 005]
157. [T2; LT; OA] **Berenis, Domantas; Kreiza, Gediminas; Juršėnas, Saulius; Javorskis, Tomas; Orentas, Edvinas; Gudeika, Dalius; Gražulevičius, Juozas Vidas; Kazlauskas, Karolis**. Solution-processed blue TADF-OLEDs based on twisted isophthalonitriles // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, O11-1. ISBN 9786090703779. p. 75. [M.kr.: T 005]

158. [T2; LT; OA] **Aleknaite, Karolina; Rosliuk, Deimante; Naruseviciute, Ugne**. Starch acetate sorbent for removal of metilparaben from water // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-12. ISBN 9786090703779. p. 340. [M.kr.: T 005]
159. [T2; LT; OA] **Sendiuk, Volodymyr; Serevicius, Tomas; Skaigiris, Rokas; Tomkeviciene, Aušra; Grazulevicius, Juozas Vidas; Kazlauskas, Karolis; Jursenas, Saulius**. Switching between TADF and RTP in the methyl substituted phenothiazine compounds // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-4. ISBN 9786090703779. p. 332. [M.kr.: T 005]
160. [T2; LT; OA] **Dabravolskas, Kęstutis; Jonuskiene, Iona; Sutkuvienė, Simona; Gudeika, Dalius**. Synthesis and antibacterial activity evaluation of carbazole-based compounds // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P4-74. ISBN 9786090703779. p. 501. [M.kr.: T 005]
161. [T2; LT; OA] **Luizys, Povilas; Daskeviciene, Maryte; Jankauskas, Vygtintas; Kamarauskas, Egidijus**. Synthesis and characteristics of new organic semiconductors with n-carbazolyl-based chromophores // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-31. ISBN 9786090703779. p. 135. [M.kr.: N 003]
162. [T2; LT; OA] **Balandis, Benas; Ivanauskaitė, Guostė; Smirnovienė, Joana; Matulis, Daumantas; Zubrienė, Asta; Mickevičius, Vytautas**. Synthesis and evaluation of pyrrolidinone-bearing benzenesulfonamides as human carbonic anhydrase inhibitors // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-42. ISBN 9786090703779. p. 146. [M.kr.: N 003]
163. [T2; LT; OA] **Mačionis, Simas; Gudeika, Dalius; Volyniuk, Dmytro; Gražulevičius, Juozas Vidas; Lee, Jiun Haw; Chiu, Tien-Lung**. Synthesis and investigation of benzimidazole/tert-butylcarbazole hybrid bipolar materials for highly efficient OLEDs // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020. ISBN 9786090703779. p. 353. [M.kr.: T 005]
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167. [T2; LT; OA] **Klimaitis, Vidmantas; Lebedevaite, Mige; Ostrauskaite, Jolita**. Synthesis and investigation of polymers composed of biobased methacrylates // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P2-11. ISBN 9786090703779. p. 224. [M.kr.: T 005]
168. [T2; LT; OA] **Drevilkauskaitė, Aida; Magomedov, Artiom; Kasparavičius, Ernestas; Malinauskas, Tadas; Getautis, Vytautas**. Synthesis and investigation of the carbazole based phosphonic acids with different aliphatic linkers // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-74. ISBN 9786090703779. p. 178. [M.kr.: N 003]
169. [T2; LT; OA] **Nasiri, Sohrab; Macionis, Simas; Gudeika, Dalius; Volyniuk, Dmytro; Grazulevicius, Juozas V.** Synthesis and investigation of xanthenone based OLED emitters exhibiting both AIEE and TADF // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P2-19. ISBN 9786090703779. p. 232. [M.kr.: T 005]
170. [T2; LT; OA] **Narbutaitis, Edgaras; Gužauskas, Matas; Volyniuk, Dmytro; Gražulevičius, Juozas Vidas**. Synthesis and photophysical properties of phenothiazine-5,5-dioxide based TADF derivatives // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-19. ISBN 9786090703779. p. 347. [M.kr.: T 005]

171. [T2; LT; OA] **Vekteryte, Simona; Keruckiene, Rasa; Vijaikis, Eimantas; Guzauskas, Matas; Grazulevicius, Juozas Vidas**. Synthesis and properties of quinazoline-based electroactive compounds // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-26. ISBN 9786090703779. p. 354. [M.kr.: T 005]
172. [T2; LT; OA] **Daskeviciute, Sarune; Getautis, Vytautas**. Synthesis of new dyes for the detection of mercapto amino acids // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-36. ISBN 9786090703779. p. 140. [M.kr.: N 003]
173. [T2; LT; OA] **Loron, Anne; Gardrat, Christian; Rutkaitė, Ramunė; Navikaitė-Šnipaitienė, Vesta; Rosliuk, Deimantė; Coma, Véronique**. Tetrahydrocurcumin encapsulated in modified starch by spray-drying for microbiological applications // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, O4-2. ISBN 9786090703779. p. 45. [M.kr.: T 005]
174. [T2; LT; OA] **Čižauskaitė, Greta; Almonaitytė, Karolina; Bendoraitienė, Joana**. The determination of various botanical origin starch crosslinking with epichlorohydrin and crosslinking degree methodology // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P3-14. ISBN 9786090703779. p. 342. [M.kr.: T 005]
175. [T2; LT; OA] **Žutautas, Tadas; Bučinskas, Audrius**. The search for new organic semi-conductors with efficient hole transferring properties // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-80. ISBN 9786090703779. p. 184. [M.kr.: T 005]
176. [T2; LT; OA] **Tsiko, Uliana; Sych, Galyna; Danyliv, Yan; Hladka, Iryna; Grazulevicius, Juozas Vidas**. Triphenylamine- and carbazole-based compounds exhibiting delayed fluorescence // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P2-35. ISBN 9786090703779. p. 248. [M.kr.: T 005]
177. [T2; LT; OA] **Liudžiūtė, Miglė; Vaičiukynaitė, Klaudija; Žalenkienė, Skirma; Stokienė, Rūta**. UV-VIS investigation of mixed cadmium sulfide– cadmium telluride layers on polyamide 6 formed using different ways of preparing polyamide // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-26. ISBN 9786090703779. p. 130. [M.kr.: N 003]
178. [T2; LT; OA] **Bronušienė, Asta; Ancutienė, Ingrida**. XRD and EDX studies of tin (ii) sulfide films formed at different pH conditions // Open readings 2020: 63rd international conference for students of physics and natural sciences, March 17-20, Vilnius, Lithuania: abstract book. Vilnius : Vilnius University, 2020, P1-35. ISBN 9786090703779. p. 139. [M.kr.: N 003]

Suvestinė lentelė:

Darbų grupė	Darbų sk.	Aut. ind.	Aut. ind. aut. l.	Aut. l.	Publ. sk., kurių IF/AIF > 0,25	Q1-Q3 str. sk.	Q1-Q3 str. aut. ind.
1. STRAIPSNIAI RECENZUOJAMUOSE MOKSLO LEIDINIUOSE	193	104,457			151	146	73,851
1.1. <i>Web of Science</i> duomenų bazėje indeksuotuose leidiniuose su cituojamumo rodikliu (JCR SCIE)	159	84,188			151	146	73,851
1.1.1. Tarptautinėse (užsienio) leidyklose	154	80,004			151	146	73,851
1.1.2. Nacionalinėse (Lietuvos) leidyklose	5	4,184			0	0	0,000
1.2. <i>Web of Science</i> duomenų bazėje indeksuotuose leidiniuose be cituojamumo rodiklio (JCR SCIE)	9	2,929					
1.2.1. Tarptautinėse (užsienio) leidyklose	9	2,929					
1.3. Kituose recenzuojamuose mokslo leidiniuose	10	5,559					
1.3.1. Tarptautinėse (užsienio) leidyklose	5	1,976					
1.3.2. Nacionalinėse (Lietuvos) leidyklose	5	3,583					
1.4. Recenzuojamoje konferencijų pranešimų medžiagoje	15	11,781					
1.4.1. Tarptautinėse (užsienio) leidyklose	12	10,198					
1.4.2. Nacionalinėse (Lietuvos) leidyklose	3	1,583					
2. RECENZIJOS, APŽVALGOS IR ATSTOVAUJAMOS BENDRAAUTORYSTĖS STRAIPSNIAI	1	0,100			1	1	0,100
2.1. <i>Web of Science</i> duomenų bazėje indeksuotuose leidiniuose su cituojamumo rodikliu (JCR SCIE)	1	0,100			1	1	0,100
2.1.1. Tarptautinėse (užsienio) leidyklose	1	0,100			1	1	0,100
3. MOKSLO MONOGRAFIJOS IR JŲ DALYS	3	3,000	7,786	7,786			
3.1. Tarptautiniu mastu pripažintose leidyklose	3	3,000	7,786	7,786			
6. PATENTAI IR PATENTINĖS PARAIŠKOS	6	3,052					
6.1. EPO, USPTO, JPO patentų tarnybose įregistruoti patentai	3	2,136					
6.2. Kitų užsienio šalių patentų tarnybose įregistruoti patentai	1	0,333					
6.3. Lietuvos Respublikos valstybiniame patentų biure įregistruoti patentai	2	0,583					
7. STUDIJŲ IR MOKOMIEJI LEIDINIAI IR JŲ DALYS	11	8,061	75,105	86,500			
7.1. Vadovėliai	1	1,000	27,857	27,857			
7.2. Mokomosios knygos	3	3,000	28,714	28,714			
7.3. Metodinės priemonės	7	4,061	18,534	29,929			
8. MOKSLINIŲ TYRIMŲ REZULTATŲ SKELBIMAS KONFERENCIJOSE	179						
8.1. Konferencijų pranešimų tezės tarptautinių duomenų bazių leidiniuose	1						
8.2. Kitos konferencijų pranešimų tezės ir straipsniai nerecenzuojamoje konferencijų pranešimų medžiagoje	178						