

KTU FCEA ARTICLES IN REVIEWED SCIENTIFIC PUBLICATIONS 2020

In publications indexed in the Web of Science database with a citation index (JCR SCIE) in international (foreign) publishers

1. [S1; RO; OA] **Vaičiukynienė, Danutė**; Jakevičius, Leonas; Kantautas, Aras; **Vaitkevičius, Vitoldas**; Vaičiukynas, Vilimantas. The effect of ultrasound on Na–A zeolite synthesis based on sodium aluminosilicate gels and solid materials // Revista Romana de materiale = Romanian journal of materials. Bucurest : Serban Solacolu. ISSN 1583-3186. eISSN 2457-502X. 2020, vol. 50, iss. 4, p. 471-477. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 0,563; AIF: 5,282; IF/AIF: 0,106; Q4 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,400]
2. [S1; CH; OA] **Žurinskas, Darius; Vaičiukynienė, Danutė; Stelmokaitis, Gediminas; Dorošėvas, Viktoras**. Clayey soil strength improvement by using alkali activated slag reinforcing // Minerals. Basel : MDPI. ISSN 2075-163X. 2020, vol. 10, iss. 12, art. no. 1076, p. 1-12. DOI: 10.3390/min10121076. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 2,644; AIF: 3,174; IF/AIF: 0,833; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]
3. [S1; CH; OA] **Fokaides, Paris A.**; Panteli, Christiana; Panayidou, Andri. How are the smart readiness indicators expected to affect the energy performance of buildings: first evidence and perspectives // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 22, art. no. 9496, p. 1-12. DOI: 10.3390/su12229496. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,167]
4. [S1; CH; OA] **Apanaviciene, Rasa; Urbonas, Rokas; Fokaides, Paris A.** Smart building integration into a smart city: comparative study of real estate development // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 22, art. no. 9376, p. 1-22. DOI: 10.3390/su12229376. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,834]
5. [S1; US] **Valančius, Rokas; Jurelionis, Andrius**; Jonynas, Rolandas; Borodinecs, Anatolijs; Kalamees, Targo; **Fokaides, Paris**. Growth rate of solar thermal systems in Baltic States: slow but steady wins the race? // Energy sources, Part B: Economics, planning and policy. Philadelphia, PA : Taylor & Francis. ISSN 1556-7249. eISSN 1556-7257. 2020, vol. 15, iss. 7-9, p. 423-435. DOI: 10.1080/15567249.2020.1813844. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 3,205; AIF: 7,341; IF/AIF: 0,436; Q3 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,419]
6. [S1; CH; OA] **Fokaides, Paris A.; Apanaviciene, Rasa; Černeckiene, Jurgita; Jurelionis, Andrius; Klumbyte, Egle; Kriauciunaite-Neklejonoviene, Vilma; Pupeikis, Darius; Rekus, Donatas; Sadauskiene, Jolanta; Seduikyte, Lina; Stasiulienė, Laura; Vaiciunas, Juozas; Valancius, Rokas; Ždankus, Tadas**. Research challenges and advancements in the field of sustainable energy technologies in the built environment // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 20, art. no. 8417, p. 1-20. DOI: 10.3390/su12208417. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]
7. [S1; CH; OA] **Adhikary, Suman Kumar; Rudžionis, Žymantas; Rajapriya, R.** The effect of carbon nanotubes on the flowability, mechanical, microstructural and durability properties of cementitious composite an overview // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 20, art. no. 8362, p. 1-25. DOI: 10.3390/su12208362. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,667]
8. [S1; CH; OA] **Kinderis, Tomas; Daukšys, Mindaugas; Mockienė, Jūratė**. Research on the efficiency of composite beam application in multi-storey buildings // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 20, art. no. 8328, p. 1-15. DOI: 10.3390/su12208328. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]

9. [S1; CH; OA] Bratuškis, Ugis; **Zaleckis, Kęstutis**; Treija, Sandra; Korolova, Alisa; **Kamičaitytė, Jūratė**. Digital information tools for urban regeneration: capital's approach in theory and practice // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 19, art. no. 8082, p. 1-16. DOI: 10.3390/su12198082. [Social Sciences Citation Index (Web of Science); Scopus; DOAJ] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: H 003] [Indėlis: 0,400]
10. [S1; HU; OA] **Martinavičius, Deividas; Augonis, Mindaugas**; Arruda, Mário Rui Tiago. Experimental and analytical study on local buckling behavior of the concrete-filled thin-walled welded steel columns // Periodica polytechnica civil engineering. Budapest : Budapest University of Technology and Economics. ISSN 0553-6626. eISSN 1587-3773. 2020, vol. 64, iss. 3, p. 917-927. DOI: 10.3311/PPci.15705. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 1,361; AIF: 3,863; IF/AIF: 0,352; Q4 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,667]
11. [S1; CH; OA] Tamašauskas, Rokas; **Šadauskienė, Jolanta**; Krawczyk, Dorota Anna; Medelienė, Violeta. Analysis of primary energy factors from photovoltaic systems for a nearly zero energy building (NZEB): a case study in lithuania // Energies. Basel : MDPI. ISSN 1996-1073. 2020, vol. 13, iss. 15, art. no. 4099, p. 653-665. DOI: 10.3390/en13164099. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,004; AIF: 7,341; IF/AIF: 0,409; Q3 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,250]
12. [S1; NL] Dvorak, Karel; Všiansky, Dalibor; Gazdič, Dominik; Fridrichova, Marcela; **Vaičiukynienė, Danutė**. Thaumate formation by hydration of sulphosilicate clinker // Materials today communications. Amsterdam : Elsevier. ISSN 2352-4928. 2020, vol. 25, art. no. 101449, p. 1-9. DOI: 10.1016/j.mtcomm.2020.101449. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 3,383; AIF: 5,931; IF/AIF: 0,570; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,200]
13. [S1; CH; OA] **Vaičiukynienė, Danutė**; Nizevičienė, Dalia; Kantautas, Aras; **Bocullo, Vytautas; Kielė, Andrius**. Alkali activated paste and concrete based on of biomass bottom ash with phosphogypsum // Applied sciences. Basel : MDPI. ISSN 2076-3417. 2020, vol. 10, iss. 15, art. no. 5190, p. 1-13. DOI: 10.3390/app10155190. [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, T 001, T 002] [Indėlis: 0,600]
14. [S1; AT; OA] Germanaitė, Indrāja Elžbieta; **Zaleckis, Kęstutis**; Butleris, Rimantas; Jarmalavičienė, Kristina. Case study of spatial pattern description, identification and application methodology // Journal of universal computer science. Graz : Graz University of Technology. ISSN 0948-695X. eISSN 0948-6968. 2020, vol. 26, iss. 6, p. 649-670. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 1,139; AIF: 3,001; IF/AIF: 0,379; Q3 (2020, InCites JCR SCIE)] [M.kr.: T 007] [Indėlis: 0,250]
15. [S1; GB] **Zdankus, T.; Cerneckiene, J.**; Jonynas, R.; **Stelmokaitis, G.; Fokaides, P. A.** Experimental investigation of a wind to thermal energy hydraulic system // Renewable energy. Kidlington : Elsevier. ISSN 0960-1481. eISSN 1879-0682. 2020, vol. 159, p. 140-150. DOI: 10.1016/j.renene.2020.05.175. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 8,001; AIF: 6,930; IF/AIF: 1,154; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 006, T 002] [Indėlis: 0,700]
16. [S1; GB; OA] Bølling, Anette Kocbach; Sripada, Kam; Becher, Rune; **Bekö, Gabriel**. Phthalate exposure and allergic diseases: review of epidemiological and experimental evidence // Environment international. Oxford : Elsevier. ISSN 0160-4120. eISSN 1873-6750. 2020, vol. 139, art. no. 105706, p. 81-92. DOI: 10.1016/j.envint.2020.105706. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 9,621; AIF: 5,201; IF/AIF: 1,849; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,125]
17. [S1; CH; OA] **Apanavičienė, Rasa; Vanagas, Andrius; Fokaides, Paris A.** Smart building integration into a smart city (SBISC): development of a new evaluation framework // Energies. Basel : MDPI. ISSN 1996-1073. 2020, vol. 13, iss. 9, art. no. 2190, p. 1-19. DOI: 10.3390/en13092190. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,004; AIF: 7,341; IF/AIF: 0,409; Q3 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,834]
18. [S1; GB] Panteli, Christiana; Kylili, Angeliki; **Fokaides, Paris A.** Building information modelling applications in smart buildings: from design to commissioning and beyond: a critical review // Journal of cleaner production. Oxford : Elsevier. ISSN 0959-6526. eISSN 1879-1786. 2020, vol. 265, art. no. 121766, p. 1-4. DOI: 10.1016/j.jclepro.2020.121766. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 9,297; AIF: 6,661; IF/AIF: 1,395; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,166]
19. [S1; NL] **Adhikary, Suman Kumar; Rudžionis, Žymantas; Vaičiukynienė, Danutė**. Development of flowable ultra-lightweight concrete using expanded glass aggregate, silica aerogel, and prefabricated plastic bubbles // Journal of building engineering. Amsterdam : Elsevier. ISSN 2352-7102. 2020, vol. 31, art. no. 101399, p. 1-10. DOI: 10.1016/j.job.2020.101399. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 5,318; AIF: 4,248; IF/AIF: 1,251; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]
20. [S1; CH] **Kielė, Andrius; Vaičiukynienė, Danutė; Tamošaitis, Gintautas; Pūpeikis, Darius; Bistrickaitė, Rėda**. Wood shavings and alkali-activated slag bio-composite // European journal of wood and wood products. Cham : Springer Nature. ISSN 0018-3768. eISSN 1436-736X. 2020, vol. 78, iss. 3, p. 513-522. DOI: 10.1007/s00107-020-01516-x. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 2,014; AIF: 2,494; IF/AIF: 0,807; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]

21. [S1; CH; OA] **Grazuleviciute-Vileniske, Indre; Seduikyte, Lina;** Teixeira-Gomes, Armanda; Mendes, Ana; Borodinecs, Anatolijs; **Buzinskaite, Deimante.** Aging, living environment, and sustainability: what should be taken into account? // Sustainability. Basel : MDPI. ISSN 2071-1050. 2020, vol. 12, iss. 5, art. no. 1853, p. 1-13. DOI: 10.3390/su12051853. [Social Sciences Citation Index (Web of Science); Science Citation Index Expanded (Web of Science); Scopus] [IF: 3,251; AIF: 5,860; IF/AIF: 0,554; Q2 (2020, InCites JCR SCIE)] [M.kr.: H 003, T 002] [Indėlis: 0,502]
22. [S1; GB] **Grinys, Audrius; Augonis, Algirdas; Daukšys, Mindaugas; Pupeikis, Darius.** Mechanical properties and durability of rubberized and SBR latex modified rubberized concrete // Construction and building materials. Oxford : Elsevier. ISSN 0950-0618. eISSN 1879-0526. 2020, vol. 248, art. no 118584, p. 1-11. DOI: 10.1016/j.conbuildmat.2020.118584. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 6,141; AIF: 4,809; IF/AIF: 1,276; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]
23. [S1; RS; OA] **Šadauskienė, Jolanta; Ramanaukas, Juozas; Vasilius, Algimantas.** Impact of point thermal bridges on thermal properties of building envelopes // Thermal science. Belgrade : Vinča institute of nuclear sciences. ISSN 0354-9836. eISSN 2334-7163. 2020, vol. 24, iss. 3, pt. B, p. 2181-2188. DOI: 10.2298/TSCI180719299S. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 1,625; AIF: 4,517; IF/AIF: 0,359; Q4 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]
24. [S1; CH; OA] **Bocullo, Vytautas; Vaičiukynienė, Danutė; Gečys, Ramūnas; Daukšys, Mindaugas.** Effect of ordinary portland cement and water glass on the properties of alkali activated fly ash concrete // Minerals. Basel : MDPI. ISSN 2075-163X. 2020, vol. 10, iss. 1, art. no. 40, p. 1-10. DOI: 10.3390/min10010040. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 2,644; AIF: 3,174; IF/AIF: 0,833; Q2 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 1,000]
25. [S1; GB; OA] **Kielė, Andrius; Vaičiukynienė, Danutė; Tamošaitis, Gintautas; Bistrickaitė, Rėda.** Thermal properties of alkali activated slag plaster for wooden structures // Scientific reports. London : Nature. ISSN 2045-2322. 2020, vol. 10, art. no. 726, p. 1-9. DOI: 10.1038/s41598-020-57515-8. [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 002] [Indėlis: 1,000]
26. [S1; NL] **Vaičiukynienė, D.;** Pundienė, I.; Kantautas, A.; **Augonis, A.;** Janavičius, E.; Vaičiukynas, V.; **Alobeid, J.** Synergistic effect of dry sludge from waste wash water of concrete plants and zeolitic by-product on the properties of ternary blended ordinary Portland cements // Journal of cleaner production. Amsterdam : Elsevier. ISSN 0959-6526. eISSN 1879-1786. 2020, vol. 244, art. no. 118493, p. 1-8. DOI: 10.1016/j.jclepro.2019.118493. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 9,297; AIF: 6,661; IF/AIF: 1,395; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002, T 005] [Indėlis: 0,432]
27. [S1; GB] Tsagarakis, Konstantinos P.; Efthymiou, Loukia; Michopoulos, Apostolos; Mavragani, Amaryllis; Andelković, Aleksandar S.; Antolini, Francesco; Bacic, Mario; Bajare, Diana; Baralis, Matteo; Bogusz, Witold; Burlon, Sébastien; Figueira, João; Genç, M. Serdar; Javed, Saqib; **Jurelionis, Andrius;** Koca, Kemal; Rzyński, Grzegorz; Urchueguia, Javier F.; Žlender, Bojan. A review of the legal framework in shallow geothermal energy in selected European countries: need for guidelines // Renewable energy. Kidlington : Elsevier. ISSN 0960-1481. eISSN 1879-0682. 2020, vol. 147, pt. 2, p. 2556-2571. DOI: 10.1016/j.renene.2018.10.007. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 8,001; AIF: 6,930; IF/AIF: 1,154; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,052]
28. [S1; NL] **Klumbytė, Eglė;** Bliūdžius, Raimondas; **Fokaides, Paris.** Development and application of municipal residential buildings facilities management model // Sustainable cities and society. Amsterdam : Elsevier. ISSN 2210-6707. eISSN 2210-6715. 2020, vol. 52, art. no. 101804, p. 1-12. DOI: 10.1016/j.scs.2019.101804. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 7,587; AIF: 6,165; IF/AIF: 1,230; Q1 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,501]

Nacionalinė (Lietuvos) leidyklė

1. [S1; LT; OA] **Lisauskas, Tadas; Augonis, Mindaugas; Zingaila, Tadas;** Arruda, Mario Rui Tiago. Stiffness and strength analysis of flexural RC beams strengthened with CFRP sheets considering the Influence of pre-cracking // Mechanika. Kaunas : KTU. ISSN 1392-1207. eISSN 2029-6983. 2020, Vol. 26, no. 4, p. 277-284. DOI: 10.5755/j01.mech.26.4.25064. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 0,597; AIF: 3,975; IF/AIF: 0,150; Q4 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,750]
2. [S1; LT; OA] Arruda, Mário Rui Tiago; Lopes, Bruno; Ferreira, Mário; **Zingaila, Tadas.** Influence of shear flexibility in structural shear walls on pushover analysis // Mechanika. Kaunas : KTU. ISSN 1392-1207. eISSN 2029-6983. 2020, vol. 26, no. 2, p. 146-152. DOI: 10.5755/j01.mech.26.2.23359. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 0,597; AIF: 3,975; IF/AIF: 0,150; Q4 (2020, InCites JCR SCIE)] [M.kr.: T 002] [Indėlis: 0,250]