

#### **1.1. Teadusartiklid, mis on kajastatud Thomson Reuters Web of Science andmebaasis (v.a. Thomson Reuters Conference Proceedings Citation Index poolt refereeritud kogumikud) ja/või Euroopa Teadusfondi humanitaarteaduste loendi ERIH (European Reference Index of the Humanities) kategooriates INT1 ja INT2 ja/või andmebaasis Scopus (v.a. kogumikud);**

1. Tõnsuaadu, K.; Gruselle, M.; Kriisa, F.; Trikkel, A.; Gredin, P.; Villemin, D. (2018). Dependence of the interaction mechanisms between L-serine and O-phospho-L-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium. *Journal of biological inorganic chemistry*, 23 (6), 929–937.
2. Yörük, C. R.; Meriste, T.; Sener, S.; Kuusik, R.; Trikkel, A. (2018). Thermogravimetric analysis and process simulation of oxy-fuel combustion of blended fuels including oil shale, semicoke, and biomass. *International Journal of Energy Research*, 42 (6), 2213–2224.
3. Štubňa, I.; Húlan, T.; Kaljuvee, T.; Vozár, L. (2018). Investigation of dynamic mechanical properties of Estonian clay Arumetsa. *Applied Clay Science*, 153, 23–28.
4. Trass, O.; Kuusik, R.; Kaljuvee, T. (2018). Activation of oil shale ashes for sulfur capture. *Oil Shale*, 35 (4), 375–385.
5. Kaljuvee, Tiit; Jefimova, Jekaterina; Loide, Valli; Uibu, Mai; Einard, Marve (2018). Influence of the post-granulation treatment on the thermal behaviour and leachability characteristics of Estonian oil shale ashes. *Journal of Thermal Analysis and Calorimetry*, 132 (1), 47–57.
6. Leinemann, I.; Nkwusi, G. C.; Timmo, K.; Volobujeva, O.; Danilson, M.; Raudoja, J.; Kaljuvee, T.; Traksmäa, R.; Altosaar, M.; Meissner, D. (2018). Reaction passway to Cu<sub>2</sub>ZnSnSe<sub>4</sub> formation in CdI<sub>2</sub>. Part 1. Chemical reactions and enthalpies in mixtures of CdI<sub>2</sub>-ZnSe, CdI<sub>2</sub>-SnSe, and CdI<sub>2</sub>-CuSe. *Journal of Thermal Analysis and Calorimetry*, 134 (1), 409–421.
7. Leinemann, I.; Pilvet, M.; Kaljuvee, T.; Traksmäa, R.; Altosaar, M. (2018). Reaction pathway to CZTSe formation in CdI<sub>2</sub>. Part 2: Chemical reactions and enthalpies in mixtures of CdI<sub>2</sub>-CuSe-SnSe and CdI<sub>2</sub>-CuSe-SnSe-ZnSe. *Journal of Thermal Analysis and Calorimetry*, 134 (1), 433–441.
8. Javed, K.; Krumme, A.; Viirsalu, M.; Krasnou, I.; Plamus, T.; Vassiljeva, V.; Tarasova, E.; Savest, N.; Mere, A.; Mikli, V.; Danilson, M.; Kaljuvee, T.; Lange, S.; Yuan, Q.; Topham, P. D.; Chen, C.-M. (2018). A method for producing conductive graphene biopolymer nanofibrous fabrics by exploitation of an ionic liquid dispersant in electrospinning. *Carbon*, 140, 148–156.
9. Linge, J.M.; Erikson, H.; Merisalu, M.; Matisen, L.; Käärik, M.; Leis, J.; Sammelselg, V.; Aruväli, J.; Kaljuvee, T.; Tammeveski, K. (2018). Oxygen reduction on silver nanoparticles supported on carbide-derived carbons. *Journal of the Electrochemical Society*, 165 (14), F1199–F1205.
10. Maide, M.; Lillmaa, K.; Salvan, L. K.; Moller, P.; Uibu, M.; Lust, E.; Nurk, G. (2018). Influence of Electrolyte Scaffold Microstructure and Loading of MIEC Material on the Electrochemical Performance of RSOC Fuel Electrode. *Fuel Cells*, 18 (6), 789–799.

**3.1. Artiklid/peatükid lisas loetletud kirjastuste välja antud kogumikes (kaasa arvatud Thomson Reuters Book Citation Index, Thomson Reuters Conference Proceedings Citation Index, Scopus refereeritud kogumikud);**

11. Húlan, T.; Štubňa, I.; Kaljuvee, T.; Csáki, Š.; Knappek, M.; Dobroň, P.; Chmelík, F. (2018). Acoustic Emission of Estonian Clay Arumetsa During Firing. AIP Conference Proceedings, 1988: 23rd Int. Meeting of the Thermophysical Society. Melville, New York; USA: AIP Publishing.

**5.2. Konverentsiteesid, mis ei kuulu valdkonda 5.1.**

12. Tamm, K.; Piir, I.; Kuusik, R.; Tõnsuaadu, K. (2018). BENEFICIATION OF ESTONIAN PHOSPHATE ORE BY FLOTATION. Beneficiation of Phosphates VIII, Cape Town, South Africa, April 29 – May 4, 2018. Engineering Conferences International (ECI) .
13. Tamm, K.; Kuusik, R.; Veiderma, M.; Tõnsuaadu, K. (2018). Consumption of Estonian phosphorite. 3rd European Sustainable Phosphorus Conference, Finland, Helsinki, 11-13 June. European Sustainable Phosphorus Platform.
14. Berber, H.; Tamm, K.; Kuusik, R.; Hills, C. D; Carey, P. J; Uibu, M. (2018). Utilization of Industrial Wastes and CO<sub>2</sub> in Construction Materials - an Estonian Perspective. Accelerated Carbonation for Environmental and Material Engineering Conference Program: International Conference on Accelerated Carbonation for Environmental and Material Engineering (ACEME), Newcastle, New South Wales, Australia, March 11-14, 2018. AIChE's Center for Energy Initiatives, 32–33.
15. Kaljuvee, T.; Štubňa, I.; Húlan, T.; Csáki, Š.; Uibu, M.; Jefimova, J. (2018). Influence of the waste products from electricity and cement industries on the thermal behaviour of Estonian clay from Kunda deposit. Book of Abstract: The 12th European Symposium on Thermal Analysis and Calorimetry: 12th European Symposium on Thermal Analysis and Calorimetry, Brasov, Romania; 27-30. August 2018. Ed. Rotaru, A.; Popescu, C. Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC),75.
16. Usta, M. C.; Zuravljova, A.; Kuusik, R.; Trikkel, A.; Kallas, J.; Tamm, K.; Uibu, M. (2018). Integrated carbon mineralization and waste utilization for de-carbonization in cement industry. 6th International Conference on CO<sub>2</sub> Emission Control and Utilization, Hangzhou, China, June 15-18, 2018. Zhejiang University.
17. Uibu, M.; Usta, M. C.; Tamm, K.; Zuravljova, A.; Kallas, J.; Kuusik, R.; Trikkel, A. (2018). CO<sub>2</sub> mineralization in cement sector: Lab scale experiments on burnt oil shale and concrete demolition wastes. BASRECCS – ENOS Workshop, Tallinn, Estonia, September 26. 2018. ENOS.
18. Polivtseva, S.; Dedova, T.; Bereznev, S.; Kois, J.; Tõnsuaadu, K.; Volobujeva, O.; Juma, A. (2018). Low-temperature synthesis of ZnO layers assisted by chemical processes. Abstract book: The 12th European Symposium on Thermal Analysis and Calorimetry. Germany: Academica Greifswald, 200.