

Projekta Izp-2020/2-0207 rezultāti

Ilgtspējīgu biopolimēru nanokompozītu ilgzturība mehāniskās slodzes un apkārtējās vides novecošanas kombinētajā ietekmē

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Glaskova-Kuzmina, T.; Starkova, O.; Gaidukovs, S.; Platnieks, O.; Gaidukova, G. Durability of Biodegradable Polymer Nanocomposites. - Polym., 2021, 13 (19), 27, <https://doi.org/10.3390/polym13193375>
2. Starkova, O.; Gagani, A. I.; Karl, C. W.; Rocha, I. B. C. M.; Burlakovs, J.; Krauklis, A. E. Modelling of environmental ageing of polymers and polymer composites—durability prediction methods. - Polym., 2022, 14 (5), <https://doi.org/10.3390/polym14050907>
3. Starkova, O.; Gaidukovs, S.; Platnieks, O.; Barkane, A.; Garkusina, K.; Palitis, E.; Grase, L. Water absorption and hydrothermal ageing of epoxy adhesives reinforced with amino-functionalized graphene oxide nanoparticles. - Polym Degradation Stab., 2021, 191, <https://doi.org/10.1016/j.polymdegradstab.2021.109670>
4. Starkova, O.; Platnieks, O.; Sabalina, A.; Gaidukovs, S. Hydrothermal Ageing Effect on Reinforcement Efficiency of Nanofibrillated Cellulose/Biobased Poly(butylene succinate) Composites. - Polym., 2022, 14 (2), <https://doi.org/10.3390/polym14020221>
5. Beluns, S.; Platnieks, O.; Gaidukovs, S.; Starkova, O.; Sabalina, A.; Grase, L.; Thakur, V. K.; Gaidukova, G. Lignin and Xylan as interface engineering additives for improved environmental durability of sustainable cellulose nanopapers. - Int. J. Mol. Sci., 2021, 22 (23), <https://doi.org/10.3390/ijms222312939>

Zinātniskās datubāzes un datu kopas, kas izstrādātas projekta ietvaros

1. Starkova, O.; Platnieks, O.; Sabalina, A.; Gaidukovs, S.. Water absorption and hydrothermal ageing effects on tensile properties of nanofibrillated cellulose/biobased poly(butylene succinate) composites. <https://data.mendeley.com/datasets/8pnvjtcbwc/1>
2. Starkova, O.; Gaidukovs, S.; Platnieks, O.; Garkusina, K.; Palitis, E.. Water absorption of epoxy adhesives reinforced with amino-functionalized graphene oxide nanoparticles. <https://data.mendeley.com/datasets/z4wbxfw5rm/2>



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