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„Thermo Fisher Scientific Baltics“ publikacijos

Metai	Publikacija
2018	Palikša S, Alzbutas G, Skirgaila R. Decreased Km to dNTPs is an essential M-MuLV reverse transcriptase adoption required to perform efficient cDNA synthesis in One-Step RT-PCR assay. Protein Eng Des Sel. 2018 Mar 1;31(3):79-89. doi: 10.1093/protein/gzy003. PubMed PMID: 29608777.
2017	Stepanauskas R, Fergusson EA, Brown J, Poulton NJ, Tupper B, Labonté JM, Becraft ED, Brown JM, Pachiadaki MG, Povilaitis T, Thompson BP, Mascena CJ, Bellows WK, Lubys A. Improved genome recovery and integrated cell-size analyses of individual uncultured microbial cells and viral particles. Nat Commun. 2017 Jul 20;8(1):84. doi: 10.1038/s41467-017-00128-z. Erratum in: Nat Commun. 2017 Dec 12;8(1):2134. PubMed PMID: 28729688; PubMed Central PMCID: PMC5519541.
	Sasnauskas G, Tamulaitiene G, Tamulaitis G, Calyševa J, Laime M, Rimšeliene R, Lubys A, Siksnys V. UbaLAI is a monomeric Type IIE restriction enzyme. Nucleic Acids Res. 2017 Sep 19;45(16):9583-9594. doi: 10.1093/nar/gkx634. PubMed PMID: 28934493; PubMed Central PMCID: PMC5766183.
2016	Alzbutas G, Kaniusaite M, Lagunavicius A. Enhancement of DNaseI Salt Tolerance by Mimicking the Domain Structure of DNase from an Extremely Halotolerant Bacterium Thioalkalivibrio sp. K90mix. PLoS One. 2016 Mar 3;11(3):e0150404. doi: 10.1371/journal.pone.0150404. eCollection 2016. PubMed PMID: 26939122; PubMed Central PMCID: PMC4777378.
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	Bockuviene A, Slavuckyte K, Vareikis A, Zigmantas S, Zaliauskiene L, Makuska R. Intracellular Delivery and Triggered Release of DNA Using Biodegradable Poly(2-hydroxypropylene imine)s Containing Cystamine Units. Macromol Biosci. 2016 Oct;16(10):1497-1505. doi: 10.1002/mabi.201600155. Epub 2016 Jul 14. PubMed PMID: 27412922.
2015	Šulčius S, Alzbutas G, Kvederavičiūtė K, Koreivienė J, Zakrys L, Lubys A, Paškauskas R. Draft Genome Sequence of the Cyanobacterium Aphanizomenon flos-aquae Strain 2012/KM1/D3, Isolated from the Curonian Lagoon (Baltic Sea). Genome Announc. 2015 Jan 15;3(1). pii: e01392-14. doi: 10.1128/genomeA.01392-14. PubMed PMID: 25593252; PubMed Central PMCID: PMC4299894.

	Jezewska-Frackowiak J, Lubys A, Vitkute J, Zakareviciene L, Zebrowska J, Krefft D, Skowron MA, Zylicz-Stachula A, Skowron PM. A new prototype IIS/IIC/IIG endonuclease-methyltransferase TsoI from the thermophile Thermus scotoductus, recognising 5'-TARCCA(N11/9)-3' sequences. J Biotechnol. 2015 Jan 20;194:19-26. doi: 10.1016/j.jbiotec.2014.11.023. Epub 2014 Dec 4. PubMed PMID: 25481098.
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	Glemzaite M, Balciunaite E, Karvelis T, Gasiunas G, Grusyte MM, Alzbutas G, Jurcyte A, Anderson EM, Maksimova E, Smith AJ, Lubys A, Zaliauskiene L, Siksnys V. Targeted gene editing by transfection of in vitro reconstituted Streptococcus thermophilus Cas9 nuclease complex. RNA Biol. 2015;12(1):1-4. doi: 10.1080/15476286.2015.1017209. PubMed PMID: 25826410; PubMed Central PMCID: PMC4615908.
	Strepetkaitė D, Alzbutas G, Astromskas E, Lagunavičius A, Sabaliauskaitė R, Arbačiauskas K, Lazutka J. Analysis of DNA Methylation and Hydroxymethylation in the Genome of Crustacean Daphnia pulex. Genes (Basel). 2015 Dec 31;7(1). pii: E1. doi: 10.3390/genes7010001. PubMed PMID: 26729172; PubMed Central PMCID: PMC4728381.
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	Serva S, Lagunavičius A. Direct conjugation of peptides and 5-hydroxymethylcytosine in DNA. Bioconjug Chem. 2015 Jun 17;26(6):1008-12. doi: 10.1021/acs.bioconjchem.5b00165. Epub 2015 May 22. PubMed PMID: 25982286.
	Kaniušaitė M, Astromskas E, Alzbutas G, Bružaitė R & Lagunavičius A. Fast and convenient 5-hydroxymethylcytosine enrichment workflow for next-generation sequencing. Nature Methods (Application Note). 2015 Jan 12, 106.
	A.Bockuviene, J.Balciunaite, K.Slavuckyte, L.Zaliauskiene, A.Vareikis, R.Makuska (2015). Poly(ethylene glycol) modified poly(2-hydroxypropylene imine) as efficient reagent for siRNA transfection. Journal of Polymer Research 23(1).
2013	Skowron PM, Vitkute J, Ramanauskaite D, Mitkaite G, Jezewska-Frackowiak J, Zebrowska J, Zylicz-Stachula A, Lubys A. Three-stage biochemical selection: cloning of prototype class IIS/IIC/IIG restriction endonuclease-methyltransferase TsoI from the thermophile Thermus scotoductus. BMC Mol Biol. 2013 Aug 6;14:17. doi: 10.1186/1471-2199-14-17. PubMed PMID: 23919831; PubMed Central PMCID: PMC3751577.
	Skirgaila R, Pudzaitis V, Paliksa S, Vaitkevicius M, Janulaitis A. Compartmentalization of destabilized enzyme-mRNA-ribosome complexes generated by ribosome display: a novel tool for the directed evolution of enzymes. Protein Eng Des Sel. 2013 Jul;26(7):453-61. doi: 10.1093/protein/gzt017. Epub 2013 May 10. PubMed PMID: 23667164.