

1. **Zaremba M, Siksnys V.** Molecular scissors under light control. *Proc. Natl. Acad. Sci. USA.* 2010, 107(4):1259-60
IF¹ 9,432/9,432 AIF²
2. **Sasnauskas G., Zakrys L., Zaremba M.,** Cosstick R., Gaynor J. W., Halford S.E., and **Siksnys V.** A novel mechanism for the scission of double stranded DNA: BfiI cuts both 3'-5' and 5'-3' strands by rotating a single active site. *Nucleic Acids Res.* 2010, 38(7):2399-2410.
IF 7,479/4,22 AIF
3. **Zaremba M., Owsicka A., Tamulaitis G., Sasnauskas G.,** Shlyakhtenko L.S., Lushnikov A.Y., Lyubchenko Y.L., Laurens N., van den Broek B., Wuite G.J., **Siksnys V.** DNA synapsis through transient tetramerization triggers cleavage by Ecl18kI restriction enzyme. *Nucleic Acids Res.* 2010, 38(20):7142-54
IF 7,479/4,22 AIF
4. **Vilkaitis G., Plotnikova A., Klimasauskas S.** Kinetic and functional analysis of the small RNA methyltransferase HEN1: The catalytic domain is essential for preferential modification of duplex RNA. *RNA* 2010, 16 (10):1935-1942.
IF 5,198/4,22 AIF
5. Schmidt-Chanasit J., Essbauer S., **Petraityte R.,** Yoshimatsu K., Tackmann K., Conraths F.J., **Sasnauskas K.,** Arikawa J., Thomas A., Pfeffer M., Scharninghausen J.J., Spletstoesser W., Wenk M., Heckel G., Ulrich R.G. Extensive host sharing of Central European Tula virus. *J. Virol.* 2010, 84(1):459-74
IF 5,15/3,3,654 AIF
6. Groenewoud M.J., Fagrouch Z., van Gessel S., Niphuis H., **Bulavaite A.,** Warren K.S., Heeney J.L., Verschoor E.J. Characterization of novel polyomaviruses from Bornean and Sumatran orangutans. *J. Gen. Virol* 2010, 91(Pt 3):653-658.
IF 3,26/2,999 AIF
7. Warrener L., **Slibinskas R.,** Brown D., **Sasnauskas K.,** Samuel D. Development and evaluation of a rapid immunochromatographic test for mumps-specific IgM in oral fluid specimens and use as a matrix for preserving viral nucleic acid for RT-PCR. *J. Med. Virol.* 2010, 82(3):485-93.
IF 3,47/3,654 AIF
8. **Razanskas R., Sasnauskas K.** Interaction of hepatitis B virus core protein with human GIPC1. *Arch. Virol.* 2010, 155(2):247-50.
IF 1,909/3,654 AIF
9. Wunderlich K., **Juozapaitis M.,** Mänz B., Mayer D., Götz V., Zöhner A., Wolff T., Schwemmler M., Martin A. Limited compatibility of polymerase subunit interactions in influenza A and B Viruses. *J. Biol. Chem.* 2010, 285(22):16704-12.
IF 5,328/4,22 AIF
10. Wunderlich K, **Juozapaitis M,** Ranadheera C, Kessler U, Martin A, Eisel J, Beutling U, Frank R, Schwemmler M. Identification of high-affinity PB1-derived peptides with enhanced affinity to the PA protein of the influenza A virus polymerase. *Antimicrob Agents Chemother.* 2010 Dec 6. [Epub ahead of print]
11. Saundh B.K., Tibble S., Baker R., **Sasnauskas K.,** Harris M., Hale A. Different patterns of BK and JC polyomavirus reactivation following renal transplantation. *J. Clin. Pathol.* 2010, (8):714-8.
IF 2,333/ 2,637 AIF
12. **Pleckaityte M.** Alzheimer's disease: a molecular mechanism, new hypotheses, and therapeutic Strategies. *Medicina (Kaunas)* 2010, 46(1):70-6.
IF 0,506/4,108 AIF

¹ Žurnalo svorio koeficientas pagal 2009 ISI JCR duomenis

² Žurnalo visuminis svorio koeficientas mažiausias tai sričiai pagal 2009 ISI JCR duomenis

13. **Zvirbliene A., Kucinskaite-Kodze I., Juozapaitis M., Lasickiene R., Gritenaite D.,** Russell G., Bingham J., Michalski W.P., **Sasnauskas K.** Novel monoclonal antibodies against Menangle virus nucleocapsid protein. *Arch. Virol.* 2010, 155(1):13-18.
IF 1,909/3,654 AIF
14. **Zvirbliene A., Pleckaityte M., Lasickiene R., Kucinskaite-Kodze I., Zvirblis G.** Production and characterization of monoclonal antibodies against vaginolysin: Mapping of a region critical for its cytolytic activity. *Toxicon.* 2010, 56(1):19-28.
IF 2,128/2,556 AIF
15. **Matijošytė I.,** Arends I.W.C.E., de Vries S., Sheldon R.A. Preparation and use of cross-linked aggregates (CLEAs) of laccases. *J. Mol. Catal. B: Enzym.* 2010, 62:142-148 (2 prieskyros)
IF 2,4/3,036 AIF
16. Zurawska A., Urbanski J., **Matulienė J.,** Baraniak J., Klejman M.P., Filipek S., **Matulis D.,** Bieganski P. Mutations that increase both Hsp90 ATPase activity in vitro and Hsp90 drug resistance in vivo. *Biochim. Biophys. Acta Mol. Cell. Res.* 2010, 1803(5):575-83.
IF 4,374/4,22 AIF
17. **Baranauskienė L.,** Hilvo M., **Matulienė J.,** Golovenko D., Manakova E., **Dudutienė V.,** Michailovienė V., **Torresan J.,** Jachno J., Parkkila S., Maresca A., Supuran C.T., **Gražulis S.,** **Matulis D.** Inhibition and binding studies of carbonic anhydrase isozymes I, II and IX with benzimidazo[1,2-c][1,2,3]thiadiazole-7-sulphonamides. *J. Enzyme Inhib. Med. Chem.* 2010 25(6):863-870.
IF 1,496/ 2,623 AIF.
18. **Zubrienė A.,** Gutkowska M, **Matulienė J.,** Chaleckis R, **Michailovienė V.,** Voroncova A, **Venclovas C.,** Zylicz A, Zylicz M, **Matulis D.** Thermodynamics of radicicol binding to human Hsp90 alpha and beta isoforms. *Biophys Chem.* 2010, 152(1-3):153-63.
IF 2,276/ 3,036 AIF
19. **Čapkauskaitė E³, Baranauskienė L., Golovenko D., Manakova E., Gražulis S.,** Tumkevičius S, **Matulis D.** Indapamide-like benzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, and XIII. *Bioorganic & Medicinal Chemistry* 2010, 18(21):7357-64.
IF 2,822/ 2,623 AIF
20. Sūdžius J, **Baranauskienė L., Golovenko D., Matulienė J., Michailovienė V., Torresan J.,** **Jachno J.,** Sukackaitė R., **Manakova E., Gražulis S.,** Tumkevičius S, **Matulis D.** 4-[N-(substituted 4-pyrimidinyl) amino]benzenesulfonamides as inhibitors of carbonic anhydrase isozymes I, II, VII, and XIII. *Bioorg Med Chem.* 2010, 18(21):7413-21.
IF 2,822/ 2,623 AIF
21. Rink C, Sasse F, **Zubrienė A., Matulis D.,** Maier ME. Probing the Influence of an Allylic Methyl Group in Zearalenone Analogues on Binding to Hsp90. *Chemistry* 2010 [Epub ahead of print]
IF 5,382/ 3,915 AIF
22. **Petrauskas V⁴,** Tornau EE. Formation of stripe structure without longer range interactions. *Physical Review B* 2010, 82(1):1154339(1)-1154339(5).
IF 3,475/ 2,342 AIF
23. **Margelevicius M., Venclovas C.** Detection of distant evolutionary relationships between protein families using theory of sequence profile-profile comparison. *BMC Bioinformatics* 2010, 11:89.
IF 4,926/2,945 AIF
24. **Margelevicius M., Laganeckas M., Venclovas C.** COMA server for protein distant homology search. *Bioinformatics* 2010, 26(15):1905-6
IF 4,926/2,945 AIF

³ Dvi prieskyros VU Faculty of Chemistry ir IBT

⁴ Dvi prieskyros Center for Physical Sciences and Technology and IBT

25. Warner D.F., Ndwandwe D.E., Abrahams G.L., Kana B.D., Machowski E.E., **Venclovas C.**, Mizrahi V. Essential roles for imuA'- and imuB-encoded accessory factors in DnaE2-dependent mutagenesis in Mycobacterium tuberculosis. Proc Natl Acad Sci U S A 2010, 107(29):13093-8.
IF 9,432/9,432 AIF
26. **Laganeckas M, Margelevicius M, Venclovas C.** Identification of new homologs of PD-(D/E)XK nucleases by support vector machines trained on data derived from profile-profile alignments. Nucleic Acids Res. 2010 Oct 20. Epub ahead of print
IF 7,479/4,22 AIF