

Biotechnologijos instituto mokslininkų
2002-2012 m. m. paskelbtų mokslinių straipsnių leidiniuose,
 turinčiuose citojamumo rodiklį (*Impact Factor*) *Thompson Reuters Web of Knowledge* duomenų bazėje,
 ir pacituotų >30 kartų,
 sąrašas

	žurnalo leidimo metai	citavi- mų sk.
1. Title: A nomenclature for restriction enzymes, DNA methyltransferases, homing endonucleases and their genes Author(s): Roberts, RJ; Belfort, M; Bestor, T; Bhagwat, AS; Bickle, TA; Bitinaite, J; Blumenthal, RM; Degtyarev, SK; Dryden, DTF; Dybvig, K; Firman, K; Gromova, ES; Gumpert, RI; Halford, SE; Hattman, S; Heitman, J; Hornby, DP; Janulaitis, A ; Jeltsch, A; Josephsen, J; Kiss, A; Klaenhammer, TR; Kobayashi, I; Kong, HM; Kruger, DH; Lacks, S; Marinus, MG; Miyahara, M; Morgan, RD; Murray, NE; Nagaraja, V; Piekarowicz, A; Pingoud, A; Raleigh, E; Rao, DN; Reich, N; Repin, VE; Selker, EU; Shaw, PC; Stein, DC; Stoddard, BL; Szybalski, W; Trautner, TA; Van Etten, JL; Vitor, JMB); Wilson, GG; Xu, SY) Source: NUCLEIC ACIDS RESEARCH Volume: 31 Issue: 7 Pages: 1805-1812.	2003	253
2. Title: Antagonistic regulation of PIN phosphorylation by PP2A and PINOID directs auxin flux Author(s): Michniewicz, Marta; Zago, Marcelo K.; Abas, Lindy; Weijers, Dolf; Schweighofer, Alois; Meskiene, Irute ; Heisler, Marcus G.; Ohno, Carolyn; Zhang, Jing; Huang, Fang; Schwab, Rebecca; Weigel, Detlef; Meyerowitz, Elliot M.; Luschnig,; Offringa, Remko; Friml, Jiri Source: CELL Volume: 130 Issue: 6 Pages: 1044-1056.	2007	176
3. Title: Inhibitory PAS domain protein (IPAS) is a hypoxia-inducible splicing variant of the hypoxia-inducible factor-3 alpha locus Author(s): Makino, Y; Kanopka, A ; Wilson, WJ; et al. Source: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 277 Issue: 36 Pages: 32405-32408.	2002	161
4. Title: Thermodynamic stability of carbonic anhydrase: Measurements of binding affinity and stoichiometry using ThermoFluor Author(s): Matulis, D; Kranz, JK; Salemme, FR; Todd, MJ. Source: BIOCHEMISTRY Volume: 44 Issue: 13 Pages: 5258-5266.	2005	152
5. Title: Seroepidemiology of the human polyomaviruses Author(s): Stolt, A; Sasnauskas, K ; Koskela, P; Lehtinen, M; Dillner, J. Source: JOURNAL OF GENERAL VIROLOGY Volume: 84 Pages: 1499-1504.	2003	128
6. Title: Thermodynamics of cationic lipid binding to DNA and DNA condensation: Roles of electrostatics and hydrophobicity Author(s): Matulis, D; Rouzina, I; Bloomfield, VA. Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 124 Issue: 25 Pages: 7331-7342.	2002	112
7. Title: Progress over the first decade of CASP experiments Author(s): Kryshtafovych, A; Venclovas, C ; Fidelis, K; Moult, J. Source: PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 61 Supplement: 7 Pages: 225-236.	2005	105
8. Title: Kinesin-like protein CHO1 is required for the formation of midbody matrix and the completion of cytokinesis in mammalian cells Author(s): Matulienė, J; Kuriyama, R. Source: MOLECULAR BIOLOGY OF THE CELL Volume: 13 Issue: 6 Pages: 1832-	2002	96

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	1845.		
9.	<p>Title: Biochemical characterization of CA IX, one of the most active carbonic anhydrase isozymes</p> <p>Author(s): Hilvo, Mika; Baranauskiene, Lina; Salzano, Anna Maria; Scaloni, Andrea ; Matulis, Daumantas ; Innocenti, Alessio; Scozzafava, Andrea ; Monti, Simona Maria; Di Fiore, Anna); De Simone, Giuseppina; Lindfors, Mikaela; Janis, Janne; Valjakka, Jarkko; Pastorekova, Silvia; Pastorek, Jaromir ; Kulomaa, Markku S; Nordlund, Henri R; Supuran, Claudio T.; Parkkila, Seppo</p> <p>Source: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 283 Issue: 41 Pages: 27799-27809.</p>	2008	87
10.	<p>Title: CHO1, a mammalian kinesin-like protein, interacts with F-actin and is involved in the terminal phase of cytokinesis</p> <p>Author(s): Kuriyama, R; Gustus, C; Terada, Y; Uetake, Y; Matulienė, J.</p> <p>Source: JOURNAL OF CELL BIOLOGY Volume: 156 Issue: 5 Pages: 783-790.</p>	2002	85
11.	<p>Title: Assessment of progress over the CASP experiments</p> <p>Author(s): Venclovas, C; Zemla, A; Fidelis, K; Moult, J.</p> <p>Source: PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 53 Supplement: S Pages: 585-595.</p>	2003	84
12.	<p>Title: Stress-induced protein phosphatase 2C is a negative regulator of a mitogen-activated protein kinase</p> <p>Author(s): Meskiene, I; Baudouin, E; Schweighofer, A; Liwosz, A; Jonak, C; Rodriguez, PL; Jelinek, H; Hirt, H.</p> <p>Source: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 278 Issue: 21 Pages: 18945-18952.</p>	2003	84
13.	<p>Title: Involvement of the mitogen-activated protein kinase SIMK in regulation of root hair tip growth</p> <p>Author(s): Samaj, J; Ovecka, M; Hlavacka, A; Lecourieux, F; Meskiene, I; Lichtscheidl, I) Lenart, P; Salaj, J; Volkmann, D; Bogre, L; Baluska, F; Hirt, H</p> <p>Source: EMBO JOURNAL Volume: 21 Issue: 13 Pages: 3296-3306.</p>	2002	82
14.	<p>Title: The PP2C-type phosphatase AP2C1, which negatively regulates MPK4 and MPK6, modulates innate immunity, jasmonic acid, and ethylene levels in <i>Arabidopsis</i></p> <p>Author(s): Schweighofer, Alois; Kazanaviciute, Vaiva; Scheikl, Elisabeth; Teige, Markus; Doczi, Robert; Hirt, Heribert; (Schwanninger, Manfred; Kant, Merijn); Schuurink, Robert; Mauch, Felix; Buchala, Antony; Cardinale, Francesca; Meskiene, I.</p> <p>Source: PLANT CELL Volume: 19 Issue: 7 Pages: 2213-2224.</p>	2007	77
15.	<p>Title: Convergence and divergence of stress-induced mitogen-activated protein kinase signaling pathways at the level of two distinct mitogen-activated protein kinase kinases</p> <p>Author(s): Cardinale, F; Meskiene, I; Ouaked, F; Hirt, H</p> <p>Source: PLANT CELL Volume: 14 Issue: 3 Pages: 703-711.</p>	2002	73
16.	<p>Title: Processive methylation of hemimethylated CpG sites by mouse Dnmt1 DNA methyltransferase</p> <p>Author(s): Vilkaitis, G; Suetake, I; Klimasauskas, S; Tajima, S.</p> <p>Source: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 280 Issue: 1 Pages: 64-72.</p>	2005	63
17.	<p>Title: Screening drug-like compounds by docking to homology models: A systematic study</p> <p>Author(s): Kairys, V; Fernandes, MX; Gilson, MK.</p> <p>Conference: 4th Indo-US Workshop on Mathematical Chemistry Location: Pune, INDIA.</p>	2006	53

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	Source: JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 46 Issue: 1 Pages: 365-379.		
18.	Title: Structure of the metal-independent restriction enzyme Bfil reveals fusion of a specific DNA-binding domain with a nonspecific nuclease Author(s): Grazulis, S; Manakova, E; Roessle, M; Bochtler, M; Tamulaitiene, G; Huber, R; Siksnys, V Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 102 Issue: 44 Pages: 15797-15802.	2005	49
19.	Title: Crystal structure of the Bse634I restriction endonuclease: comparison of two enzymes recognizing the same DNA sequence Author(s): Grazulis, S; Deibert, M; Rimseliene, R; Skirgaila, R; Sasnauskas, G; Lagunavicius, A; Repin, V; Urbanke, C; Huber, R; Siksnys, V Source: NUCLEIC ACIDS RESEARCH Volume: 30 Issue: 4 Pages: 876-885.	2002	49
20.	Title: Time-resolved fluorescence of 2-aminopurine as a probe of base flipping in M.Hhal-DNA complexes Author(s): Neely, RK; Daujotyte, D; Grazulis, S; Magennis, SW; Dryden, DTF; Klimasauskas, S; Jones, AC Source: NUCLEIC ACIDS RESEARCH Volume: 33 Issue: 22 Pages: 6953-6960.	2005	48
21.	Title: Mapping of the hepatitis B virus attachment site by use of infection-inhibiting preS1 lipopeptides and tupaia hepatocytes Author(s): Glebe, D; Urban, S; Knoop, EV; Cag, N; Krass, P; Grun, S; Bulavaite, A; Sasnauskas, K; Gerlich, WH; Source: GASTROENTEROLOGY Volume: 129 Issue: 1 Pages: 234-245.	2005	48
22.	Title: Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies Author(s): Ebbesen, Peter; Pettersen, Erik O.; Gorr, Thomas A.; Jobst, Gerhard; Williams, Kaye; Kieninger, Jochen; Wenger, Roland H.; Pastorekova, Silvia; Dubois, Ludwig; Lambin, Philippe; Wouters, Brad G; Van Den Beucken, Twan; Supuran, Claudiu T.; Poellinger, Lorenz; Ratcliffe, Peter; Kanopka, Arvydas; Goerlach, Agnes; Gasmann, Max; Harris, Adrian L.; Maxwell, Patrick; Scozzafava, Andrea. Source: JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 24 Pages: 1-39.	2009	48
23.	Title: Droplet-Based Microfluidic Systems for High-Throughput Single DNA Molecule Isothermal Amplification and Analysis Author(s): Mazutis, Linas; Araghi, Ali Fallah; Miller, Oliver J.; Baret, Jean-Christophe; Frenz, Lucas; Janoshazi, Agnes; Taly, Valerie; Miller, Benjamin J.; Hutchison, J. Brian; Link, Darren; Griffiths, Andrew D; Ryckelynck, Michael Source: ANALYTICAL CHEMISTRY Volume: 81 Issue: 12 Pages: 4813-4821.	2009	46
24.	Title: Multi-step microfluidic droplet processing: kinetic analysis of an in vitro translated enzyme Author(s): Mazutis, Linas; Baret, Jean-Christophe; Treacy, Patrick; Skhiri, Yousr; Araghi, Ali Fallah; Ryckelynck, Michael; Taly, Valerie; Griffiths, Andrew D. Source: LAB ON A CHIP Volume: 9 Issue: 20 Pages: 2902-2908.	2009	46
25.	Title: The metal-independent type IIs restriction enzyme BfI is a dimer that binds two DNA sites but has only one catalytic centre Author(s): Lagunavicius, A; Sasnauskas, G; Halford, SE; Siksnys, V Source: JOURNAL OF MOLECULAR BIOLOGY Volume: 326 Issue: 4 Pages: 1051-	2003	44

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26.	Title: Direct transfer of extended groups from synthetic cofactors by DNA methyltransferases Author(s): Dalhoff, C; Lukinavicius, G; Klimasauskas, S; Weinhold, E Source: NATURE CHEMICAL BIOLOGY Volume: 2 Issue: 1 Pages: 31-32.	2006	42
27.	Title: Solution structure and functional ligand screening of HI0719, a highly conserved protein from bacteria to humans in the YggF/YER057c/UK114 family Author(s): Parsons, L; Bonander, N; Eisenstein, E; Gilson, M; Kairys, V; Orban, J. Source: BIOCHEMISTRY Volume: 42 Issue: 1 Pages: 80-89.	2003	42
28.	Title: Physical and functional interactions between MutY glycosylase homologue (MYH) and checkpoint proteins Rad9-Rad1-Hus1 Author(s): Shi, Guoli; Chang, Dau-Yin; Cheng, Chih-Chien; Guan, Xin; Venclovas, C Lu, A-Lien Source: BIOCHEMICAL JOURNAL Volume: 400 Pages: 53-62.	2006	40
29.	Title: Cytosine-5-methyltransferases add aldehydes to DNA Author(s): Liutkeviciute, Zita; Lukinavicius, Grazvydas; Masevicius, Viktoras Daujotyte, Dalia; Klimasauskas, Saulius Source: NATURE CHEMICAL BIOLOGY Volume: 5 Issue: 6 Pages: 400-402.	2009	39
30.	Title: A quantitative model of thermal stabilization and destabilization of proteins by ligands Author(s): Cimmperman, Piotras; Baranauskiene, Lina; Jachimovicute, Simona; Jachno, Jelena; Torresan, Jolanta; Michailoviene, Vilma; Matuliene, Jurgita; Sereikaite, Jolanta; Bumelis, Vladas; Matulis, Daumantas Source: BIOPHYSICAL JOURNAL Volume: 95 Issue: 7 Pages: 3222-3231.	2008	39
31.	Title: Yeast-expressed Puumala hantavirus nucleocapsid protein induces protection in a bank vole model Author(s): Dargeviciute, A; Sjolander, KB; Sasnauskas, K; Kruger, DH; Meisel, H; Ulrich, R; Lundkvist, A. Source: VACCINE Volume: 20 Issue: 29-30 Pages: 3523-3531.	2002	39
32.	Title: Comparative modeling in CASP5: Progress is evident, but alignment errors remain a significant hindrance Author(s): Venclovas, C Source: PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 53 Supplement: S Pages: 380-388.	2003	37
33.	Title: High yields of stable and highly pure nucleocapsid proteins of different hantaviruses can be generated in the yeast <i>Saccharomyces cerevisiae</i> Author(s): Razanskiene, A; Schmidt, J; Geldmacher, A; Ritzi, A; Niedrig, M; Lundkvist, A; Kruger, DH; Meisel, H; Sasnauskas, K; Ulrich, R. Source: JOURNAL OF BIOTECHNOLOGY Volume: 111 Issue: 3 Pages: 319-333.	2004	37
34.	Title: Transcriptional up-regulation of inhibitory PAS domain protein gene expression by hypoxia-inducible factor 1 (HIF-1) - A negative feedback regulatory circuit in HIF-1-mediated signaling in hypoxic cells Author(s): Makino, Yuichi; Uenishi, Rie; Okamoto, Kensaku; Isoe, Tsubasa; Hosono, Osamu; Tanaka, Hirotoshi; Kanopka, Arvydas; Poellinger, Lorenz; Haneda, Masakazu; Morimoto, Chikao. Source: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 282 Issue: 19 Pages:	2007	37

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	14073-14082.		
35.	Title: How the BfI restriction enzyme uses one active site to cut two DNA strands Author(s): Sasnauskas, G; Halford, SE; Siksnys, V Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 100 Issue: 11 Pages: 6410-6415.	2003	36
36.	Title: Enhanced docking with the mining minima optimizer: Acceleration and side-chain flexibility Author(s): Kairys, V; Gilson, MK. Source: JOURNAL OF COMPUTATIONAL CHEMISTRY Volume: 23 Issue: 16 Pages: 1656-1670.	2002	36
37.	Title: Generation of recombinant virus-like particles of human and non-human polyomaviruses in yeast <i>Saccharomyces cerevisiae</i> Author(s): Sasnauskas, K; Bulavaite, A; Hale, A; Jin, L; Knowles, WA; Gedvilaite, A; Dargeviciute, A; Bartkeviciute, D; Zvirbliene, A; Staniulis, J; Brown, DWG; Ulrich, R. Source: INTERVIROLOGY Volume: 45 Issue: 4-6 Pages: 308-317.	2002	36
38.	Title: Cas3 is a single-stranded DNA nuclease and ATP-dependent helicase in the CRISPR/Cas immune system Author(s): Sinkunas, Tomas; Gasiunas, Giedrius; Fremaux, Christophe; Barrangou, Rodolphe; Horvath, Philippe; Siksnys, Virginijus Source: EMBO JOURNAL Volume: 30 Issue: 7 Pages: 1335-1342.	2011	35
39.	Title: Molecular characterization of isoniazid-resistant <i>Mycobacterium tuberculosis</i> clinical isolates in Lithuania Author(s): Bakonyte, D; Baranauskaite, A; Cicenaitė, J; Sosnovskaja, A; Stakeñas, P. Source: ANTIMICROBIAL AGENTS AND CHEMOTHERAPY Volume: 47 Issue: 6 Pages: 2009-2011	2003	35
40.	Title: A fast and efficient microfluidic system for highly selective one-to-one droplet fusion Author(s): Mazutis, Linas; Baret, Jean-Christophe; Griffiths, Andrew D. Source: LAB ON A CHIP Volume: 9 Issue: 18 Pages: 2665-2672.	2009	34
41.	Title: Quantitative and sensitive detection of rare mutations using droplet-based microfluidics Author(s): Pekin, Deniz; Skhiri, Yousr; Baret, Jean-Christophe; Le Corre, Delphine; Mazutis, Linas; Ben Salem, Chaouki; Millot, Florian; El Harrak, Abdeslam; Hutchison, J. Brian ; Larson, Jonathan W.; Link, Darren R.; Laurent-Puig, Pierre; Griffiths, Andrew D.; Taly, Valerie Source: LAB ON A CHIP Volume: 11 Issue: 13 Pages: 2156-2166.	2011	33
42.	Title: HIV-1 protease inhibitors from inverse design in the substrate envelope exhibit subnanomolar binding to drug-resistant variants Author(s): Altman, Michael D.; Ali, Akbar; Reddy, G. S. Kiran Kumar; Nalam, Madhavi N. L.; Anjum, Saima Ghafoor; Cao, Hong ; Chellappan, Sriprya ; Kairys, V; Fernandes, Miguel X ; Gilson, Michael K.; Schiffer, Celia A.) Rana, Tariq M.; Tidor, Bruce Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 130 Issue: 19 Pages: 6099-6113.	2008	33
43.	Title: Role of the midbody matrix in cytokinesis: RNAi and genetic rescue analysis of the mammalian motor protein CHO1 Author(s): Matuliene, J; Kuriyama, R Source: MOLECULAR BIOLOGY OF THE CELL Volume: 15 Issue: 7 Pages: 3083-	2004	32

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