

Zoznam publikačnej činnosti

Ing. Štefan Janeček, DrSc.

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

- ABC01 Janeček, Štefan [UKOEXRP] (100%) : Structural features and evolutionary relationships in the alpha-amylase family
Lit.: 237 zázň., 5 obr.
In: Glycoenzymes. - Basel : Karger, 2000. - ISBN 978-3-8055-7076-3. - S. 19-54 [2,6 AH]
- ABC02 Machovič, Martin (20%) - Janeček, Štefan [UKOEXRP] (80%) : Amylolytic enzymes: types, structures and specificities
Lit.: 98 zázň., 7 obr.
In: Industrial Enzymes: Structure, Function and Applications. - Dordrecht : Springer, 2007. - ISBN 978-1-4020-5376-4. - S. 3-18 [1,2 AH]
- ABC03 Janeček, Štefan [UKOEXRP] (100%) : Sequence fingerprints in the evolution of the alpha-amylase family
Lit.: 64 zázň., 4 obr.
In: Carbohydrate-active Enzymes: Structure, Function and Applications. - Boca Raton : CRC Press, 2008. - ISBN 978-1-84569-519-4. - S. 45-63 [1,2 AH]

ADC Vedecké práce v zahraničných karentovaných časopisoch

- ADC01 Janeček, Štefan [UKOEXRP] (50%) - Baláž, Štefan - Rosenberg, Michal - Stred'anský, Miroslav : Chemical stabilization of Bacillus subtilis alpha-amylase by modification with D-glucono-delta-lactone
Lit.: 12 zázň., 1 obr., 3 tab.
In: Biotechnology Techniques. - ISSN 0951-208X - Vol. 6, No. 2 (1992), s. 173-176
IF (JCR) 1992= - [2013= -]
- ADC02 Janeček, Štefan [UKOEXRP] (100%) : New conserved amino acid region of alpha-amylases in the third loop of their (beta/alpha)8-barrel domains
Lit.: 27 zázň.
In: Biochemical Journal. - ISSN 0264-6021 - Vol. 288, Part 3 (1992), s. 1069-1070
IF (JCR) 1992= - [2013-4,779]
- ADC03 Janeček, Štefan [UKOEXRP] (80%) - Baláž, Štefan (20%) : Alpha-Amylases and approaches leading to their enhanced stability
Lit.: 50 zázň.
In: FEBS Letters. - ISSN 0014-5793 - Vol. 304, No. 1 (1992), s. 1-3
IF (JCR) 1992= - [2013-3,341]
- ADC04 Janeček, Štefan [UKOEXRP] (100%) : Sequence similarities in (alpha/beta)8-barrel enzymes revealed by conserved regions of alpha-amylase
Lit.: 30 zázň., 2 tab.
In: FEBS Letters. - ISSN 0014-5793 - Vol. 316, No. 1 (1993), s. 23-26
IF (JCR) 1993= - [2013-3,341]
- ADC05 Janeček, Štefan [UKOEXRP] (80%) - Baláž, Štefan (20%) : Evolution of parallel alpha/beta-barrel enzyme family lightened by structural
Lit.: 58 zázň., 1 obr., 2 tab.
In: Journal of Protein Chemistry. - ISSN 0277-8033 - Vol. 12, No. 5 (1993), s. 509-514
IF (JCR) 1993= - [2013= -]
- ADC06 Janeček, Štefan [UKOEXRP] (100%) : Strategies for obtaining stable enzymes
Lit.: 99 zázň., 4 obr., 2 tab.
In: Process Biochemistry. - ISSN 1359-5113 - Vol. 28, No. 7 (1993), s. 435-445
IF (JCR) 1993= - [2013= 2,524]

- ADC07 Janeček, Štefan [UKOEXRP] (100%) : Sequence similarities and evolutionary relationships of microbial, plant and animal alpha-amylases
 Lit.: 33 zázň., 2 obr., 2 tab.
 In: European Journal of Biochemistry. - ISSN 0014-2956 - Vol. 224, No. 2 (1994), s. 519-524
 IF (JCR) 1994= - [2013= -]
- ADC08 Janeček, Štefan [UKOEXRP] (100%) : Parallel beta/alpha-barrels of alpha-amylase, cyclodextrin glycosyltransferase and oligo-1,6-glucosidase versus the barrel of beta-amylase: evolutionary distance is a reflection of unrelated sequences
 Lit.: 45 zázň., 5 obr., 2 tab.
 In: FEBS Letters. - ISSN 0014-5793 - Vol. 353, No. 2 (1994), s. 119-123
 IF (JCR) 1994= - [2013-3,341]
- ADC09 Janeček, Štefan [UKOEXRP] (40%) - MacGregor, Ann E. - Svensson, Birte : Characteristic differences in the primary structure allow discrimination of cyclodextrin glucanotransferases from alpha-amylases
 Lit.: 31 zázň., 1 obr.
 In: Biochemical Journal. - ISSN 0264-6021 - Vol. 305, Part 2 (1995), s. 685-686
 IF (JCR) 1995= - [2013-4,779]
- ADC10 Janeček, Štefan [UKOEXRP] (100%) : Close evolutionary relatedness among functionally distantly related members of the (alpha/beta)8-barrel glycosyl hydrolases suggested by the similarity of their fifth conserved sequence region
 Lit.: 16 zázň., 1 tab.
 In: FEBS Letters. - ISSN 0014-5793 - Vol. 377, No. 1 (1995), s. 6-8
 IF (JCR) 1995= - [2013-3,341]
Ohlasy (3):
 [o1] 2012 Chuang, T.T. - Ong, P.L. - Wang, T.F. - Huang, H.B. - Chi, M.C. - Lin, L.L.: International Journal of Biological Macromolecules, Vol. 50, No. 3, 2012, s. 59-470 - SCI
 [o1] 2012 Rakleova, G. - Keightley, A. - Pantchev, I. - Tsacheva, I. - Tchorbadjieva, M.: Biotechnology & Biotechnological Equipment, Vol. 26, No. 4, 2012, s. 3192-3200 - SCI
 [o1] 2012 Li, C.F. - Du, M.F. - Cheng, B. - Wang, L.S. - Liu, X.Q. - Ma, C.Q. - Yang, C.Y. - Xu, P.: Biotechnology for Biofuels, Vol. 7, January, 2014, Art. No. 18 - SCI
- ADC11 Janeček, Štefan [UKOEXRP] (100%) : Similarity of different beta-strands flanked in loops by glycines and prolines from distinct (alpha/beta)8-barrel enzymes: chance or a homology?
 Lit.: 33 zázň., 1 obr., 1 tab.
 In: Protein Science. - ISSN 0961-8368 - Vol. 4, No. 6 (1995), s. 1239-1242
 IF (JCR) 1995= - [2013-2,861]
- ADC12 Janeček, Štefan [UKOEXRP] (80%) - Baláž, Štefan (20%) : Functionally essential, invariant glutamate near the C-terminus of strand beta5 in various (alpha/beta)8-barrel enzymes as a possible indicator of their evolutionary relatedness
 Lit.: 58 zázň., 2 obr., 1 tab.
 In: Protein Engineering. - ISSN 0269-2139 - Vol. 8, No. 8 (1995), s. 809-813
 IF (JCR) 1995= - [2013= -]
- ADC13 Janeček, Štefan [UKOEXRP] (100%) : Invariant glycines and prolines flanking in loops the strand beta2 of various (alpha/beta)8-barrel enzymes: a hidden homology?
 Lit.: 75 zázň., 2 obr., 4 tab.
 In: Protein Science. - ISSN 0961-8368 - Vol. 5, No. 6 (1996), s. 1136-1143
 IF (JCR) 1996= - [2013-2,861]
- ADC14 Janeček, Štefan [UKOEXRP] (100%) : The tentative (alpha/beta)(8)-barrel in the pathway of beta-carotene biosynthesis: Lycopene cyclase has an amino acid sequence similar to that of xylose isomerase
 Lit.: 20 zázň., 1 obr.
 In: Biochemical Journal. - ISSN 0264-6021 - Vol. 319, Part 3 (1996), s. 1005-1006
 IF (JCR) 1996= - [2013-4,779]
- ADC15 Janeček, Štefan [UKOEXRP] (100%) : The (alpha/beta)(8)-barrel structural domains of alpha-amylase and old yellow enzyme are discontinued by a similar excursion at the same place of the barrels: Does it mean they are evolutionarily related?
 Lit.: 21 zázň., 2 obr.

ADC16 Janeček, Štefan [UKOEXRP] (100%) : Sequence similarity between xylose isomerase and replicase: Another TIM-barrel in the replicase structure?
Lit.: 21 zázň., 1 obr., 1 tab.
In: International Journal of Biological Macromolecules. - ISSN 0141-8130 - Vol. 21, No. 3 (1997), s. 277-280
IF (JCR) 1997= - [2013-3,096]

ADC17 Janeček, Štefan [UKOEXRP] (100%) : Alpha-amylase family: Molecular biology and evolution
Lit.: 312 zázň., 11 obr.
In: Progress in Biophysics & Molecular Biology. - ISSN 0079-6107 - Vol. 67, No. 1 (1997), s. 67-97
IF (JCR) 1997= - [2013-3,377]

ADC18 Janeček, Štefan [UKOEXRP] (60%) - Svensson, Birte - Henrissat, Bernard : Domain evolution in the alpha-amylase family
Lit.: 75 zázň., 4 obr., 1 tab.
In: Journal of Molecular Evolution. - ISSN 0022-2844 - Vol. 45, No. 3 (1997), s. 322-331
IF (JCR) 1997= - [2013-1,863]

ADC19 Janeček, Štefan [UKOEXRP] (40%) - Zámocký, Marcel - Koller, Franz : Indication of a common ancestry for copper tyrosinases and heme catalases revealed by hydrophobic cluster analysis of the brown locus protein sequence
Lit.: 28 zázň., 1 obr.
In: Protein Engineering. - ISSN 0269-2139 - Vol. 11, No. 7 (1998), s. 501-504
IF (JCR) 1998= - [2013-]

ADC20 Janeček, Štefan [UKOEXRP] (100%) : Sequence of archaeal Methanococcus jannaschii alpha-amylase contains features of families 13 and 57 of glycosyl hydrolases: A trace of their common ancestor?
Lit.: 25 zázň., 1 obr.
In: Folia Microbiologica. - ISSN 0015-5632 - Vol. 43, No. 2 (1998), s. 123-128
IF (JCR) 1998= - [2013-1,145]
Ohlasy (2):
[o1] 2011 Naumoff, D.G.: Biochemistry-Moscow, Vol. 76, No. 6, 2011, s. 622-635 - SCI
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ADC21 Janeček, Štefan [UKOEXRP] (60%) - Lèveque, Emmanuel - Belarbi, Abdel - Haye, Bernard : Close evolutionary relatedness of alpha-amylases from archaea and plants
Lit.: 45 zázň., 2 obr., 1 tab.
In: Journal of Molecular Evolution. - ISSN 0022-2844 - Vol. 48, No. 4 (1999), s. 421-426
IF (JCR) 1999= - [2013-1,863]

ADC22 Janeček, Štefan [UKOEXRP] (75%) - Ševčík, Jozef (25%) : The evolution of starch-binding domain
Lit.: 44 zázň., 4 obr., 1 tab.
In: FEBS Letters. - ISSN 0014-5793 - Vol. 456, No. 1 (1999), s. 119-125
IF (JCR) 1999= - [2013-3,341]
Ohlasy (6):
[o1] 2013 Gentry, M.S. - Roma-Mateo, C. - Sanz, P.: FEBS Journal, Vol. 280, No. 2, Spec. Iss., 2013, s. 525-537 - SCI
[o1] 2013 Orzechowski, S. - Grabowska, A. - Sitnicka, D. - Siminska, J. - Felus, M. - Dudkiewicz, M. - Fudali, S. - Sobczak, M.: Acta Physiologiae Plantarum, Vol. 35, No. 2, 2013, s. 83-500 - SCI
[o1] 2013 Daba, T. - Kojima, K. - Inouye, K.: Enzyme and Microbial Technology, Vol. 52, No. 4-5, 2013, s. 251-257 - SCI
[o1] 2013 Ismaya, W.T. - Hasan, K. - Kardi, I. - Zainuri, A. - Rahmawaty, R.I. - Permanahadi, S. - El Viera, B.V. - Harinanto, G. - Gaffar, S. - Natalia, D. - Subroto, T. - Soemitro, S.: Applied Biochemistry and Biotechnology, Vol. 170, No. 1, 2013, s. 44-57 - SCI
[o1] 2013 Daba, T. - Kojima, K. - Inouye, K.: Journal of Biochemistry, Vol. 154, No. 1, 2013, s. 85-92 - SCI
[o1] 2014 Kalpana, B.J. Pandian, S.K.: Journal of Basic Microbiology, Vol. 54, No. 8, 2014, s. 802-811 - SCOPUS ; SCI

ADC23 Janeček, Štefan [UKOEXRP] (60%) - Svensson, Birte - Russell, Roy R.B. : Location of repeat elements in glucansucrases of Leuconostoc and Streptococcus species

Lit.: 30 zázň., 3 obr.

In: FEMS Microbiology Letters. - ISSN 0378-1097 - Vol. 192, No. 1 (2000), s. 53-57

IF (JCR) 2000=2,046

Ohlasy (4):

[o1] 2012 Leemhuis, H. - Pijning, T. - Dobruchowska, J.M. - Dijkstra, B.W. - Dijkhuizen, L.: Biocatalysis and Biotransformation, Vol. 30, No. 3, 2012, s. 366-376 - SCI

[o1] 2013 Leemhuis, H. - Pijning, T. - Dobruchowska, J.M. - van Leeuwen, S.S. - Kralj, S. - Dijkstra, B.W. - Dijkhuizen, L.: Journal of Biotechnology, Vol. 163, No. 2, 2013, s. 250-272 - SCI

[o1] 2013 Amari, M. - Arango, L.F.G. - Gabriel, V. - Robert, H. - Morel, S. - Moulis, C. - Gabriel, B. - Remaud-Simeon, M. - Fontagne-Faucher, C.: Applied Microbiology and Biotechnology, Vol. 97, No. 12, 2013, s. 5413-5422 - SCI

[o1] 2014 Silva-Martin, N. - Retamosa, M.G. - Maestro, B. - Bartual, S.G. - Rodes, M.J. - Garcia, P. - Sanz, J.M. - Hermoso, J.A.: Biochimica et Biophysica Acta-General Subjects, Vol. 1840, No. 1, 2014, s. 129-135 - SCI

ADC24 Léveque, Emmanuel - Janeček, Štefan [UKOEXRP] (25%) - Belarbi, Abdel - Haye, Bernard : Thermophilic archaeal amylolytic enzymes

Lit.: 66 zázň., 4 obr., 6 tab.

In: Enzyme and Microbial Technology. - ISSN 0141-0229 - Vol. 26, No. 1 (2000), s. 2-13

IF (JCR) 2000=1,411

Ohlasy (8):

[o1] 2014 Hameed, U. - Ikram-ul-Haq - Khan, M.A.: International Journal of Agriculture and Biology, Vol. 16, No. 4, 2014, s. 836-840 - SCI

[o1] 2014 Ahmad, N. - Rashid, N. - Haider, M.S. - Akram, M. - Akhtar, M.: Applied and Environmental Microbiology, Vol. 80, No. 3, 2014, s. 1108-1115 - SCI

[o1] 2014 Hung, X.G. - Tseng, W.C. - Liu, S.M. - Tzou, W.S. - Fang, T.Y.: Biochemical Engineering Journal, Vol. 83, February, 2014, s. 121-128 - SCI

[o1] 2014 Fincan, S.A. - Enez, B. - Ozdemir, S. - Bekler, F.M.: Carbohydrate Polymers, Vol. 102, February, 2014, s. 144-150 - SCI

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[o1] 2014 Siddique, F. - Hussain, I. - Mahmood, M.S. - Ahmed, S.I. - Iqbal, A.: Pakistan Journal of Agricultural Sciences Vol. 51, No. 2, 2014, s. 309-314 - SCI

[o1] 2014 Siddiqui, M.A. - Habib-ur-Rehman - Rashid, N.: Pakistan Journal of Zoology Vol. 46, No. 4, 2014, s. 1077-1084 - SCI ; SCOPUS

[o1] 2014 Niyonzima, F.N. - More, S.S.: Applied Biochemistry and Biotechnology Vol. 174, No. 4, 2014, s. 1215-1232 - SCI ; SCOPUS

ADC25 Zámocký, Marcel - Janeček, Štefan [UKOEXRP] (30%) - Koller, Franz : Common phylogeny of catalase-peroxidases and ascorbate peroxidases

Lit.: 29 zázň., 5 obr., 3 tab.

In: Gene. - ISSN 0378-1119 - Vol. 256, No. 1-2 (2000), s. 169-182

IF (JCR) 2000=2,461

Ohlasy (3):

[o1] 2011 Sawicki, J. - Szczecinska, M. Acta Societatis Botanicorum Poloniae Vol. 80, No. 3, 2011: , s. 185-192 - SCI ; SCOPUS

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ADC26 MacGregor, Ann E. - Janeček, Štefan [UKOEXRP] (30%) - Svensson, Birte : Relationship of sequence and structure to specificity in the alpha-amylase family of enzymes

Lit.: 138 zázň., 6 obr., 2 tab.

In: Biochimica et Biophysica Acta - Protein Structure and Molecular Enzymology. - ISSN 0167-4838 - Vol. 1546, No. 1 (2001), s. 1-20

IF (JCR) 2001=2,112

Ohlasy (14):

[o1] 2013 Gao, Y. - Xi, Y. - Lu, X.L. - Zheng, H. - Hu, B. - Liu, X.Y. - Jiao, B.H.: World Journal of Microbiology and Biotechnology, Vol. 29, No. 11, 2013, s. 2195-2206 - SCI ; SCOPUS

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- [ol] 2014 Sengupta, S. - Roy, D. - Bandyopadhyay, S.: Molecular Biology Reports, Vol. 41, No. 6, 2014, s. 3549-3560 - SCI ; SCOPUS
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- [ol] 2014 Tetlow, I.J. - Emes, M.J.: IUBMB Life, Vol. 66, No. 8, 2014, s. 546-558 - SCI
- [ol] 2014 Xu, J. - Ren, F. - Huang, C.H. - Zheng, Y.Y. - Zhen, J. - Sun, H. - Ko, T.P. - He, M. - Chen, C.C. - Chan, H.C. - Guo, R.T. - Song, H. - Ma, Y.: Proteins-Structure Function and Bioinformatics, Vol. 82, No. 9, 2014, s. 1685-1693 - SCI

ADC27 Markovič, Oskar (50%) - Janeček, Štefan [UKOEXRP] (50%) : Pectin degrading glycoside hydrolases of family 28: sequence-structural features, specificities and evolution

Lit.: 58 zázň., 6 obr., 2 tab.

In: Protein Engineering. - ISSN 0269-2139 - Vol. 14, No. 9 (2001), s. 615-631

IF (JCR) 2001=2,718

Ohlasy (3):

[ol] 2014 Knoch, E. - Dilokpimol, A. - Geshi, N.: Frontiers in Plant Science, Vol. 5, June, 2014, Art. No. 198 - SCI

[ol] 2014 Bak, J.S.: Microbial Biotechnology, Vol. 7, No. 5, 2014, s. 434-445 - SCI

[ol] 2014 Kirsch, R. - Gramzow, L. - Theissen, G. - Siegfried, B.D. - Ffrench-Constant, R.H. - Heckel, D.G. - Pauchet, Y.: Insect Biochemistry and Molecular Biology, Vol. 52, September, 2014, s. 33-50 - SCI

ADC28 Janeček, Štefan [UKOEXRP] (100%) : A motif of a microbial starch-binding domain found in human genethonin

Lit.: 34 zázň., 2 obr.

In: Bioinformatics. - ISSN 1367-4803 - Vol. 18, No. 11 (2002), s. 1534-1537

IF (JCR) 2002=4,615

Ohlasy (2):

[ol] 2012 Thornbrough, J.M. - Hundley, T. - Valdivia, R. - Worley, M.J.: PLoS ONE, Vol. 7, June, 2012, Art. No. e38097 - SCI

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ADC29 Kováčová, Andrea - Ruttkay-Nedecký, Gabriel [UKOMF] - Haverlík, Ivan Karol [UKOMFKJFB] - Janeček, Štefan [UKOEXRP] (30%) : Sequence similarities and evolutionary relationship of influenza virus A hemagglutinins

Lit.: 28 zázň., 3 obr., 4 tab.

In: Virus Genes. - ISSN 0920-8569 - Vol. 24, No. 1 (2002), s. 57-63

IF (JCR) 2002=1,296

Ohlasy (5):

[ol] 2003 Perez, D.R. - Lim, W. - Seiler, J.P. - Yi, G. - Peiris, M. - Shortridge, K.F. - Webster, R.G.: Journal of Virology, Vol. 77, No. 5, 2003, s. 3148-3156 - SCI ; SCOPUS

[ol] 2005 Crawford, P.C. - Dubovi, E.J. - Castleman, W.L. - Stephenson, I. - Gibbs, E.P.J. - Chen, L. - Smith, C. - Hill, R.C. - Ferro, P. - Pompey, J. - Bright, R.A. - Medina, M.J. - Johnson, C.M. - Olsen, C.W. - Cox, N.J. - Klimov, A.I. - Katz, J.M. - Donis, R.O.: Science, Vol. 310, No. 5747, 2005, s. 482-485 - SCI ; SCOPUS

[ol] 2008 Saelens, X.: Future Virology, Vol. 3, No. 2, 2008, s. 167-178 - SCOPUS

[o1] 2014 Shepard, S.S. - Davis, C.T. - Bahl, J. - Rivaller, P. - York, I.A. - Donis, R.O.: PLoS ONE, Vol. 9, January, 2014, Art. No. e86921 - SCI

[o1] 2014 Boukharta, M. - Touil, N. - El Fahim, E. - Terta, M. - Kissi, B. - Loutfi, C. - El Harrak, M. - Ennaji, M.: Journal of Equine Veterinary Science, Vol. 34, No. 8, 2014, s. 942-948 - SCI

ADC30 Oslancová, A. (25%) - Janeček, Štefan [UKOEXRP] (75%) : Oligo-1,6-glucosidase and neopullulanase enzyme subfamilies from the alpha-amylase family defined by the fifth conserved sequence region

Lit.: 112 zázň., 3 obr., 1 tab.

In: Cellular and Molecular Life Sciences. - ISSN 1420-682X - Vol. 59, No. 11 (2002), s. 1945-1959

IF (JCR) 2002=5,259

Ohlasy (2):

[o1] 2013 Ghollasi, M. - Ghanbari-Safari, M. - Khajeh, K.: Enzyme and Microbial Technology, Vol. 53, No. 6-7, 2013, s. 406-413 - SCI

[o1] 2014 Cao, H. - Gao, G. - Gu, Y.Q. - Zhang, J.X. - Zhang, Y.J.: Applied Microbiology and Biotechnology, Vol. 98, No. 5, 2014, s. 2101-2111 - SCI

ADC31 Janeček, Štefan [UKOEXRP] (50%) - Svensson, Birte - MacGregor, Ann E.: Relation between domain evolution, specificity, and taxonomy of the alpha-amylase family members containing a C-terminal starch-binding domain

Lit.: 123 zázň., 4 obr., 2 tab.

In: European Journal of Biochemistry. - ISSN 0014-2956 - Vol. 270, No. 4 (2003), s. 635-645

IF (JCR) 2003=3,001

Ohlasy (3):

[o1] 2014 Su, J. - Wang, T.F. - Ma, C.L. - Li, Z.K. - Li, Z.Z. - Wang, R.M.: Biotechnology Letters, Vol. 36, No. 5, 2014, s. 1009-1013 - SCI

[o1] 2014 Xu, J. - Ren, F. - Huang, C.H. - Zheng, Y.Y. - Zhen, J. - Sun, H. - Ko, T.P. - He, M. - Chen, C.C. - Chan, H.C. - Guo, R.T. - Song, H. - Ma, Y.: Proteins-Structure Function and Bioinformatics, Vol. 82, No. 9, 2014, s. 1685-1693 - SCI

[o1] 2014 Blackman, L.M. - Cullerne, D.P. - Hardham, A.R.: BMC Genomics, Vol. 2014, September, 2014, Art. No. 785 - SCI

ADC32 Da Lage, J.L. - Feller, G. - Janeček, Štefan [UKOEXRP] (30%) : Horizontal gene transfer from Eukarya to Bacteria and domain shuffling: the alpha-amylase model

Lit.: 44 zázň., 5 obr., 2 tab.

In: Cellular and Molecular Life Sciences. - ISSN 1420-682X - Vol. 61, No. 1 (2004), s. 97-109

IF (JCR) 2004= [2013= 5,856]

Ohlasy (2):

[o1] 2014 Xu, B. - Yang, F.Y. - Xiong, C.Y. - Li, J.J. - Tang, X.H. - Zhou, J.P. - Xie, Z.R. - Ding, J.M. - Yang, Y.J. - Huang, Z.X.: Journal of Microbiology and Biotechnology, Vol. 24, No. 4, 2014, s. 447-452 - SCI

[o1] 2014 Thongsaiklaing, T. - Sehawong, W. - Kubera, A. - Ngernsiri, L.: Fisheries Science, Vol. 80, No. 3, 2014, s. 589-601 - SCI

ADC33 Markovič, Oskar (50%) - Janeček, Štefan [UKOEXRP] (50%) : Pectin methylesterases: sequence-structural features and phylogenetic relationships

Lit.: 71 zázň., 2 obr., 3 tab.

In: Carbohydrate Research. - ISSN 0008-6215 - Vol. 339, No. 13 (2004), s. 2281-2295

IF (JCR) 2004=1,451

Ohlasy (3):

[o1] 2014 Bethke G. - Grundman RE. - Sreekanta S. - Truman W. - Katagiri F. - Glazebrook J.: Plant Physiology, Vol. 164, No. 2, 2014, s. 1093-1107 - SCI

[o1] 2014 Komarova, T.V. - Pozdyshev, D.V. - Petrunia, I.V. - Sheshukova, E.V. - Dorokhov, Y.L.: Biochemistry-Moscow, Vol. 79, No. 2, 2014, s. 102-110 - SCI

[o1] 2014 Nistor, O.V. - Stanciuc, N. - Aprodu, I. - Botez, E.: Spectrochimica Acta Part A - Molecular and Biomolecular Spectroscopy, Vol. 128, July, 2014, s. 15-21 - SCI

ADC34 Oslancová, A. (40%) - Janeček, Štefan [UKOEXRP] (60%) : Evolutionary relatedness between glycolytic enzymes most frequently occurring in genomes

Lit.: 43 zázň., 2 obr., 2 tab.

In: Folia Microbiologica. - ISSN 0015-5632 - Vol. 49, No. 3 (2004), s. 247-258

IF (JCR) 2004=1,034

Ohlasy (1):

[o1] 2011 Klubicova, K. - Bercak, M. - Danchenko, M. - Skultety, L. - Rashydov, N.M. - Berezna, V.V. - Miernyk, J.A. - Hajduch, M.: *Phytochemistry*, Vol. 72, No. 10, 2011, s. 1308-1315 - SCI

ADC35 Zona, Richard - Chang-Pi-Hin, Florent – O'Donohue, Michael J. - Janeček, Štefan [UKOEXPR] (25%) : Bioinformatics of the glycoside hydrolase family 57 and identification of catalytic residues in amylopullulanase from *Thermococcus hydrothermalis*

Lit.: 40 zázň., 4 obr., 2 tab.

In: *European Journal of Biochemistry*. - ISSN 0014-2956 - Vol. 271, No. 14 (2004), s. 2863-2872

IF (JCR) 2004=3,260

Ohlasy (2):

[o1] 2014 Park, K.H. - Jung, J.H. - Park, S.G. - Lee, M.E. - Holden, J.F. - Park, C.S. - Woo, E.J.: *Acta Crystallographica Section D - Biological Crystallography*, Vol. 70, No. 6, 2014, s. 1659-1668 - SCI

[o1] 2014 Siddiqui, M.A. - Habib-ur-Rehman - Rashid, N.: *Pakistan Journal of Zoology*, Vol. 46, No. 4, 2014, s. 1077-1084 - SCI

ADC36 Machovič, Martin - Svensson, Birte - MacGregor, Ann E. - Janeček, Štefan [UKOEXPR] (30%) : A new clan of CBM families based on bioinformatics of starch-binding domains from families CBM20 and CBM21

Lit.: 94 zázň., 4 obr., 1 tab.

In: *FEBS Journal*. - ISSN 1742-464X - Vol. 272, No. 21 (2005), s. 5497-5513

IF (JCR) 2005= - [Immediacy Index=0,545]

Ohlasy (2):

[o1] 2013 Gomez-Casati, D.F. - Martin, M. - Busi, M.V.: *Protein and Peptide Letters*, Vol. 20, No. 8, 2013, s. 856-863 - SCI

[o1] 2014 Peng, H. - Zheng, Y.Y. - Chen, M.J. - Wang, Y. - Xiao, Y.Z. - Gao, Y.: *FEBS Letters*, Vol. 588, No. 7, 2014, s. 1161-1167 - SCI

ADC37 Horváthová, Viera [UKOEXPR] - Godány, Andrej - Šturdík, Ernest - Janeček, Štefan [UKOEXPR] (25%) : alpha-Amylase from *Thermococcus hydrothermalis*: Re-cloning aimed at the improved expression and hydrolysis of corn starch

Lit.: 37 zázň., 2 obr., 2 tab.

In: *Enzyme and Microbial Technology*. - ISSN 0141-0229 - Vol. 39, No. 6 (2006), s. 1300-1305

IF (JCR) 2006=1,897

Ohlasy (4):

[o1] 2006 Teng, N. - Liang, X.Y. - Liu, C.J. - Liu, X.J. - Zhang, R. - Qiao, W.M. - Ling, L.C.: *New Carbon Materials*, Vol. 21, No. 4, 2006, s. 326-330 - SCI ; SCOPUS

[o1] 2007 Chen, S.D. - Shen, D.S. - Chen, W.M. - Lo, Y.C. - Huang, T.I. - Lin, C.Y. - Chang, J.S.: *Biotechnology Progress*, Vol. 23, No. 6, 2007, s. 1312-1320 - SCI ; SCOPUS

[o1] 2008 Lo, Y.C. - Chen, S.D. - Chen, C.Y. - Huang, T.I. - Lin, C.Y. - Chang, J.S.: *International Journal of Hydrogen Energy*, Vol. 33, No. 19, Spec. Iss., 2008, s. 5224-5233 - SCI ; SCOPUS

[o1] 2009 Chen, S.D. - Lo, Y.C. - Lee, K.S. - Huang, T.I. - Chang, J.S.: *International Journal of Hydrogen Energy*, Vol. 34, No. 20, 2009, s. 8549-8557 - SCI ; SCOPUS

ADC38 Machovič, Martin (25%) - Janeček, Štefan [UKOEXPR] (75%) : Starch-binding domains in the post-genome era

Lit.: 115 zázň., 7 obr.

In: *Cellular and Molecular Life Sciences*. - ISSN 1420-682X - Vol. 63, No. 23 (2006), s. 2710-2724

IF (JCR) 2006=4,655

Ohlasy (2):

[o1] 2014 Brewer, M.K. - Husodo, S. - Dukhande, V.V. - Johnson, M.B. - Gentry, M.S.: *BMC Biochemistry*, Vol. 15, April, 2014, Art. No. 8 - SCI

[o1] 2014 Peng, H. - Zheng, Y.Y. - Chen, M.J. - Wang, Y. - Xiao, Y.Z. - Gao, Y.: *FEBS Letters*, Vol. 588, No. 7, 2014, s. 1161-1167 - SCI

ADC39 Machovič, Martin (40%) - Janeček, Štefan [UKOEXPR] (60%) : The evolution of putative starch-binding domains

Lit.: 51 zázň., 2 obr., 1 tab.

In: *FEBS Letters*. - ISSN 0014-5793 - Vol. 580, No. 27 (2006), s. 6349-6356

IF (JCR) 2006=3,372

Ohlasy (2):

[o1] 2013 Gomez-Casati, D.F. - Martin, M. - Busi, M.V.: *Protein and Peptide Letters*, Vol. 20, No. 8, 2013, s. 856-863 - SCI

[o1] 2014 Peng, H. - Zheng, Y.Y. - Chen, M.J. - Wang, Y. - Xiao, Y.Z. - Gao, Y.: *FEBS Letters*, Vol. 588, No. 7, 2014, s. 1161-1167 - SCI

- ADC40 Janeček, Štefan [UKOEXRP] (70%) - Svensson, Birte - MacGregor, Ann E. : A remote but significant sequence homology between glycoside hydrolase clan GH-H and family GH31
 Lit.: 51 zázň., 3 obr., 2 tab.
 In: FEBS Letters. - ISSN 0014-5793 - Vol. 581, No. 7 (2007), s. 1261-1268
 IF (JCR) 2007=3,263
Ohlasy (2):
 [o1] 2013 Adams, J.D.W. - Scott, K.M.: Bioresource Technology, Vol. 127, January, 2013, s. 231-235 - SCI
 [o1] 2013 Gabrisko, M.: Journal of Molecular Evolution, Vol. 76, No. 3, 2013, s. 129-145 - SCI
- ADC41 van der Kaaij, R. M. - Janeček, Štefan [UKOEXRP] (25%) - van der Maarel, M. J. E. C. - Dijkhuizen, L. : Phylogenetic and biochemical characterization of a novel cluster of intracellular fungal alpha-amylase enzymes
 Lit.: 63 zázň., 7 obr., 4 tab.
 In: Microbiology-SGM. - ISSN 1350-0872 - Vol. 153, Part 12 (2007), s. 4003-4015
 IF (JCR) 2007=3,110
Ohlasy (2):
 [o1] 2014 Chen, Z.H. - Martinez, D.A. - Gujja, S. - Sykes, S.M. - Zeng, Q.D. - Szaniszló, P.J. - Wang, Z. - Cuomo, C.A.: G3-Genes Genomes Genetics, Vol. 4, No. 4, 2014, s. 561-578 - SCI
 [o1] 2014 Xu, B. - Yang, F.Y. - Xiong, C.Y. - Li, J.J. - Tang, X.H. - Zhou, J.P. - Xie, Z.R. - Ding, J.M. - Yang, Y.J. - Huang, Z.X.: Journal of Microbiology and Biotechnology, Vol. 24, No. 4, 2014, s. 447-452 - SCI
- ADC42 Godány, Andrej - Vidová, Barbora - Janeček, Štefan [UKOEXRP] (40%) : The unique glycoside hydrolase family 77 amylomaltase from *Borrelia burgdorferi* with only catalytic triad conserved
 Lit.: 39 zázň., 4 obr.
 In: FEMS Microbiology Letters. - ISSN 0378-1097 - Vol. 284, No. 1 (2008), s. 84-91
 IF (JCR) 2008=2,021
Ohlasy (1):
 [o1] 2014 Watanasatitarpa, S. - Rudeekulthamrong, P. - Krusong, K. - Srisimarath, W. - Zimmermann, W. - Pongsawasdi, P. - Kaulpiboon, J.: Applied Biochemistry and Microbiology, Vol. 50, No. 3, 2014, s. 243-252 - SCI
- ADC43 Gabriško, Marek (50%) - Janeček, Štefan [UKOEXRP] (50%) : Looking for the ancestry of the heavy-chain subunits of heteromeric amino acid transporters rBAT and 4F2hc within the GH13 alpha-amylase family
 Lit.: 58 zázň., 3 obr., 1 tab.
 In: FEBS Journal. - ISSN 1742-464X - Vol. 276, No. 24 (2009), s. 7265-7278
 IF (JCR) 2009=3,042
Ohlasy (1):
 [o1] 2013 Fotiadis, D. - Kanai, Y. - Palacin, M.: Molecular Aspects of Medicine, Vol. 34, No. 2, Spec. Iss., 2013, s. 139-158 - SCI
- ADC44 Christiansen, Camilla - Abou Hachem, Maher - Janeček, Štefan [UKOEXRP] (15%) - Vikso-Nielsen, Anders - Blennow, Andreas - Svensson, Birte : The carbohydrate-binding module family 20 - Diversity, structure, and function
 Lit.: 146 zázň., 4 obr., 4 tab.
 In: FEBS Journal. - ISSN 1742-464X - Vol. 276, No. 18 (2009), s. 5006-5029
 IF (JCR) 2009=3,042
Ohlasy (3):
 [o1] 2014 Vu Van, V. - Beeson, W.T. - Span, E.A. - Farquhar, E.R. - Marletta, M.A.: Proceedings of the National Academy of Sciences of the United States of America, Vol. 111, No. 38, 2014, s. 13822-13827 - SCI
 [o1] 2014 Blackman, L.M. - Cullerne, D.P. - Hardham, A.R.: BMC Genomics, Vol. 2014, September, 2014, Art. No. 785 - SCI
 [o1] 2014 Tanackovic, V. - Svensson, J.T. - Jensen, S.L. - Buleon, A. - Blennow, A.: Journal of Experimental Botany, Vol. 65, No. 18, 2014, s. 5179-5192 - SCI
- ADC45 Hostinová, Eva - Janeček, Štefan [UKOEXRP] (30%) - Gašperík, Juraj : Gene Sequence, Bioinformatics and Enzymatic Characterization of alpha-Amylase from *Saccharomycopsis fibuligera* KZ
 Lit.: 63 zázň., 6 obr., 2 tab.
 In: Protein Journal. - ISSN 1572-3887 - Vol. 29, No. 5 (2010), s. 355-364
 IF (JCR) 2010=1,101
Ohlasy (2):

[o1] 2013 Mok, S.C. - Teh, A.H. - Saito, J.A. - Najimudin, N. - Alam, M.: Enzyme and Microbial Technology, Vol. 53, No. 1, 2013, s. 46-54 - SCI

[o1] 2014 Xu, B. - Yang, F.Y. - Xiong, C.Y. - Li, J.J. - Tang, X.H. - Zhou, J.P. - Xie, Z.R. - Ding, J.M. - Yang, Y.J. - Huang, Z.X.: Journal of Microbiology and Biotechnology, Vol. 24, No. 4, 2014, s. 447-452 - SCI

ADC46 Gabriško, Marek (75%) - Janeček, Štefan [UKOEXRP] (25%) : Characterization of Maltase Clusters in the Genus *Drosophila*

Lit.: 75 zázň., 5 obr., 1 tab.

In: Journal of Molecular Evolution. - ISSN 0022-2844 - Vol. 72, No. 1 (2011), s. 104-118

IF (JCR) 2011=2,274

Ohlasy (1):

[o1] 2013 Colinet, H. - Overgaard, J. - Com, E. - Sorensen, J.G.: Insect Biochemistry and Molecular Biology, Vol. 43, No. 4, 2013, s. 352-365 - SCI

ADC47 Janeček, Štefan [UKOEXRP] (60%) - Svensson, Birte - MacGregor, Ann E. : Structural and evolutionary aspects of two families of non-catalytic domains present in starch and glycogen binding proteins from microbes, plants and animals

Lit.: 173 zázň., 4 obr.

In: Enzyme and Microbial Technology. - ISSN 0141-0229 - Vol. 49, No. 5 (2011), s. 429-440

IF (JCR) 2011=2,367

Ohlasy (3):

[o1] 2014 Tamamura, N. - Saburi, W. - Mukai, A. - Morimoto, N. - Takehana, T. - Koike, S. - Matsui, H. - Mori, H.: Biochemical Engineering Journal, Vol. 86, May, 2014, s. 8-15 - SCI

[o1] 2014 Avila-Castaneda, A. - Gutierrez-Granados, N. - Ruiz-Gayosso, A. - Sosa-Peinado, A. - Martinez-Barajas, E. - Coello, P.: Frontiers in Plant Science, Vol. 5, May, 2014, s. 199 - SCI

[o1] 2014 Meekins, D.A. - Raththagala, M. - Husodo, S. - White, C.J. - Guo, H.F. - Kotting, O. - Vander Kooi, C.W. - Gentry, M.S.: Proceedings of the National Academy of Sciences of the United States of America, Vol. 111, No. 20, 2014, s. 7272-7277 - SCI

ADC48 Janeček, Štefan [UKOEXRP] (60%) - Blesák, Karol [UKOPR000] (40%) : Sequence-Structural Features and Evolutionary Relationships of Family GH57 alpha-Amylases and Their Putative alpha-Amylase-Like Homologues

Lit.: 44 zázň., 4 obr., 1 tab.

In: Protein Journal. - ISSN 1572-3887 - Vol. 30, No. 6 (2011), s. 429-435

IF (JCR) 2011=1,038

Ohlasy (7):

[o1] 2012 Jiao, Y.-L. - Wang, S.-J. - Lv, M.-S. - Fang, Y.-W. - Liu, S.: Journal of Basic Microbiology, Vol. 53, No. 3, 2013, s. 231-239 - SCOPUS ; SCI

[o1] 2013 Maaty, W.S. - Steffens, J.D. - Heinemann, J. - Ortmann, A.C. - Reeves, B.D. - Biswas, S.K. - Dratz, E.A. - Grieco, P.A. - Young, M.J. - Bothner, B.: Frontiers in Microbiology, Vol. 3, 2013, Art. No. 411 - SCOPUS

[o1] 2013 Li, X. - Li, D. - Park, K.-H.: Applied Microbiology and Biotechnology, Vol. 97, No. 12, 2013, s. 5359-5369 - SCI ; SCOPUS

[o1] 2013 Guan, Q. - Guo, X. - Han, T. - Wei, M. - Jin, M. - Zeng, F. - Liu, L. - Li, Z. - Wang, Y. - Cheong, G.-W. - Zhang, S. - Jia, B.: Process Biochemistry, Vol. 48, No. 5-6, 2013, s. 878-884 - SCOPUS ; SCI

[o1] 2013 Gabriško, M.: Journal of Molecular Evolution, Vol. 76, No. 3, 2013, s. 129-145 - SCOPUS ; SCI

[o1] 2014 Park, K.H. - Jung, J.H. - Park, S.G. - Lee, M.E. - Holden, J.F. - Park, C.S. - Woo, E.J.: Acta Crystallographica Section D - Biological Crystallography, Vol. 70, No. 6, 2014, s. 1659-1668 - SCI

[o1] 2014 Jeon, E.J. - Jung, J.H. - Seo, D.H. - Jung, D.H. - Holden, J.F. - Park, C.S.: Enzyme and Microbial Technology, Vol. 60, June, 2014,, s. 9-15 - SCI

ADC49 Blesák, Karol [UKOPR000] (40%) - Janeček, Štefan [UKOEXRP] (60%) : Sequence fingerprints of enzyme specificities from the glycoside hydrolase family GH57

Lit.: 67 zázň., 2 obr., 1 tab.

In: Extremophiles. - ISSN 1431-0651 - Vol. 16, No. 3 (2012), s. 497-506

IF (JCR) 2012=2,203

Ohlasy (5):

[o1] 2012 Chen, W. - Xie, T. - Shao, Y. - Chen, F.: PLoS ONE, Vol. 7, No. 11, 2012, Art. No. 49679 - SCI ; SCOPUS

[o1] 2013 Li, X. - Li, D. - Park, K.-H.: Applied Microbiology and Biotechnology, Vol. 97, No. 12, 2013, s. 5359-5369 - SCI ; SCOPUS

[o1] 2013 Guan, Q. - Guo, X. - Han, T. - Wei, M. - Jin, M. - Zeng, F. - Liu, L. - Li, Z. - Wang, Y. - Cheong, G.-W. - Zhang, S. - Jia, B.: Process Biochemistry, Vol. 48, No. 5-6, 2013, s. 878-884 - SCOPUS

- [o1] 2014 Jung, J.H. - Seo, D.H. - Holden, J.F. - Park, C.S.: Applied Microbiology and Biotechnology, Vol. 98, No. 5, 2014, s. 2121-2131 - SCI
- [o1] 2014 Jeon, E.J. - Jung, J.H. - Seo, D.H. - Jung, D.H. - Holden, J.F. - Park, C.S.: Enzyme and Microbial Technology, Vol. 60, June, 2014, s. 9-15 - SCI
- ADC50 Janeček, Štefan [UKOEXRP] (75%) - Kuchtová, Andrea [UKOPR000] (25%) : In silico identification of catalytic residues and domain fold of the family GH119 sharing the catalytic machinery with the alpha-amylase family GH57
Lit.: 40 zázň., 3 obr., 1 tab.
In: FEBS Letters. - ISSN 0014-5793 - Vol. 586, No. 19 (2012), s. 3360-3366
IF (JCR) 2012=3,582
Ohlasy (2):
[o1] 2012 Chen, W. - Xie, T. - Shao, Y. - Chen, F.: PLoS ONE, Vol. 7, No. 11, 2012, Art. No. 49679 - SCOPUS
[o1] 2014 Park, K.-H. - Jung, J.-H. - Park, S.-G. - Lee, M.-E. - Holden, J.F. - Park, C.-S. - Woo, E.-J.: Acta Crystallographica Section D: Biological Crystallography, Vol. 70, No. 6, 2014, s. 1659-1668 - SCOPUS
- ADC51 Jung, Tae-Yang - Li, Dan - Park, Jong-Tae - Yoon, Se-Mi - Phuong Lan Tran - Oh, Byung-Ha - Janeček, Štefan [UKOEXRP] (10%) - Park, Sung Goo - Woo, Eui-Jeon - Park, Kwan-Hwa : Association of Novel Domain in Active Site of Archaic Hyperthermophilic Maltogenic Amylase from Staphylothermus marinus
Lit.: 72 zázň., 7 obr., 3 tab.
In: Journal of Biological Chemistry. - ISSN 0021-9258 - Vol. 287, No. 11 (2012), s. 7979-7989
IF (JCR) 2012=4,651
Ohlasy (2):
[o1] 2014 Cao, H. - Gao, G. - Gu, Y.Q. - Zhang, J.X. - Zhang, Y.J.: Applied Microbiology and Biotechnology, Vol. 98, No. 5, 2014, s. 2101-2111 - SCI
[o1] 2014 Tamamura, N. - Saburi, W. - Mukai, A. - Morimoto, N. - Takehana, T. - Koike, S. - Matsui, H. - Mori, H.: Biochemical Engineering Journal, Vol. 86, May, 2014, s. 8-15 - SCI
- ADC52 Puspasari, F. - Radjasa, O. K. - Noer, A. S. - Nurachman, Z. - Syah, Y. M. - van der Maarel, M. - Dijkhuizen, L. - Janeček, Štefan [UKOEXRP] (10%) - Natalia, D. : Raw starch-degrading alpha-amylase from Bacillus aquimaris MKSC 6.2: isolation and expression of the gene, bioinformatics and biochemical characterization of the recombinant enzyme
Lit.: 70 zázň., 8 obr.
In: Journal of Applied Microbiology. - ISSN 1364-5072 - Vol. 114, No. 1 (2012), s. 108-120
IF (JCR) 2012=2,196
Ohlasy (1):
[o1] 2014 Mehta, D. - Satyanarayana, T.: Applied Microbiology and Biotechnology, Vol. 98, No. 10, 2014, s. 4503-4519 - SCI
- ADC53 Blesák, Karol (40%) - Janeček, Štefan [UKOEXRP] (60%) : Two potentially novel amylolytic enzyme specificities in the prokaryotic glycoside hydrolase a-amylase family GH57
Lit.: 61 zázň., 4 obr., 1 tab.
In: Microbiology-SGM. - ISSN 1350-0872 - Vol. 159, Part 12 (2013), s. 2584-2593
IF (JCR) 2013=2,835
- ADC54 Da Lage, Jean-Luc - Binder, Manfred - Hua-Van, Aurélie - Janeček, Štefan [UKOEXRP] (15%) - Casane, Didier : Gene make-up: rapid and massive intron gains after horizontal transfer of a bacterial alpha-amylase gene to Basidiomycetes
Lit.: 85 zázň., 6 obr.
In: BMC Evolutionary Biology. - ISSN 1471-2148 - Vol. 13, No. 1 (2013), Art. No. 40
IF (JCR) 2013=3,407
Ohlasy (1):
[o1] 2014 Ambrose, K.V. - Koppenhofer, A.M. - Belanger, F.C.: Scientific Reports, Vol. 4, July, 2014, Art. No. 5562 - SCI
- ADC55 Majzlová, Katarína - Pukajová, Zuzana - Janeček, Štefan [UKOEXRP] (50%) : Tracing the evolution of the alpha-amylase subfamily GH13_36 covering the amylolytic enzymes intermediate between oligo-1,6-glucosidases and neopullulanases
Lit.: 72 zázň., 3 obr., 2 tab.
In: Carbohydrate Research. - ISSN 0008-6215 - Vol. 367, February (2013), s. 48-57
IF (JCR) 2013=1,966
Ohlasy (3):

- [o1] 2014 Cao, H. - Gao, G. - Gu, Y.Q. - Zhang, J.X. - Zhang, Y.J.: Applied Microbiology and Biotechnology, Vol. 98, No. 5, 2014, s. 2101-2111 - SCI
- [o1] 2014 Lu, Z.H. - Tian, C.G. - Li, A.Y. - Zhang, G.M. - Ma, Y.H.: Journal of Industrial Microbiology & Biotechnology, Vol. 41, No. 5, 2014, s. 783-793 - SCI
- [o1] 2014 Tamamura, N. - Saburi, W. - Mukai, A. - Morimoto, N. - Takehana, T. - Koike, S. - Matsui, H. - Mori, H.: Biochemical Engineering Journal, Vol. 86, May, 2014, s. 8-15 - SCI

ADC56 Janeček, Štefan [UKOEXRP] (70%) - Svensson, Birte - MacGregor, Ann E. : alpha-Amylase: an enzyme specificity found in various families of glycoside hydrolases

Lit.: 260 zázň., 5 obr.

In: Cellular and Molecular Life Sciences. - ISSN 1420-682X - Vol. 71, No. 7 (2014), s. 1149-1170

IF (JCR) 2013=5,856

Ohlasy (2):

[o1] 2014 Li, X. - Li, D. - Tian, H. - Park, K.H.: Food Research International, Vol. 62, August, 2014, s. 1134-1140 - SCI

[o1] 2014 Liu, Y.H. - Fan, S. - Liu, X.G. - Zhang, Z.M. - Wang, J.L. - Wang, Z.X.: Journal of Microbiology and Biotechnology, Vol. 24, No. 7, 2014, s. 898-904 - SCI

ADD Vedecké práce v domácích karentovaných časopisech

ADD01 Horváthová, Viera [UKOEXPR] - Janeček, Štefan [UKOEXRP] (60%) - Šturdík, Ernest : Amylolytic enzymes: their specificities, origins and properties

Lit.: 98 zázň., 3 obr., 2 tab.

In: Biologia. - ISSN 0006-3088 - Vol. 55, No. 6 (2000), s. 605-615

IF (JCR) 2000=0,165

Ohlasy (5):

[o1] 2006 Cereia, M. - Guimaraes, L.H.S. - Peixoto-Nogueira, S.C. - Jorge, J.A. - Terenzi, H.F. - Greene, L.J. - Polizeli, M.D.T.M.: African Journal of Biotechnology, Vol. 5, No. 12, 2006, s. 1239-1245 - SCI

[o1] 2007 Bhatti, H.N. - Rashid, M.H. - Nawaz, R. - Khalid, A.M. - Asgher, M. - Jabbar, A.: Applied Microbiology and Biotechnology, Vol. 73, No. 6, 2007, s. 1290-1298 - SCI

[o1] 2012 Tomasik, P. - Horton, D.: Enzymatic Conversions of Starch. In: Book Series: Advances in Carbohydrate Chemistry and Biochemistry, Vol. 68. San Diego : Elsevier Academic Press, 2012, S. 59-436 - BKCI-S

[o1] 2013 Jiao, Y.L. - Wang, S.J. - Lv, M.S. - Fang, Y.W. - Liu, S.: Journal of Basic Microbiology, Vol. 53, No. 3, 2013, s. 231-239 - SCI

[o1] 2013 Silva, T.M. - Damasio, A.R.D. - Maller, A. - Michelin, M. - Squina, F.M. - Jorge, J.A. - Polizeli, M.D.T.D.: Folia Microbiologica, Vol. 58, No. 6, 2013, s. 495-502 - SCI

ADD02 Horváthová, Viera [UKOEXPR] - Janeček, Štefan [UKOEXRP] (60%) - Šturdík, Ernest : Amylolytic enzymes: Molecular aspects of their properties

Lit.: 168 zázň., 4 obr.

In: General Physiology and Biophysics. - ISSN 0231-5882 - Vol. 20, No. 1 (2001), s. 7-32

IF (JCR) 2001=0,932

Ohlasy (14):

[o1] 2003 Paldi, T. - Levy, I. - Shoseyov, O.: Biochemical Journal, Vol. 372, Part 3, 2003, s. 905-910 - SCI

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Lit.: 11 zázň., 1 obr.
In: Biologia. - ISSN 0006-3088 - Vol. 56, No. 3 (2001), s. 337-339
IF (JCR) 2001=0,208

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Lit.: 172 zázň., 5 obr.
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IF (JCR) 2002=0,169
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Lit.: 29 zázň., 1 obr., 2 tab.
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IF (JCR) 2002=0,169

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Lit.: 29 zázň., 1 obr.
In: Biologia. - ISSN 0006-3088 - Vol. 58, No. 6 (2003), s. 1127-1132
IF (JCR) 2003=0,183
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Lit.: 73 zázň., 2 obr.
In: Biologia. - ISSN 0006-3088 - Vol. 60, Suppl. 16 (2005), s. 177-184
IF (JCR) 2005=0,240
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Lit.: 38 zázň., 2 obr., 1 tab.

In: *Biologia*. - ISSN 0006-3088 - Vol. 60, Suppl. 16 (2005), s. 115-121

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[o1] 2009 Leoff, C. - Saile, E. - Rauvolfova, J. - Quinn, C.P. - Hoffmaster, A.R. - Zhong, W. - Mehta, A.S. - Boons, G.J. - Carlson, R.W. - Kannenberg, E.L.: *Glycobiology*, Vol. 19, No. 6, 2009, s. 665-673 - SCI

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Lit.: 72 zázň., 4 obr., 2 tab.

In: *Biologia*. - ISSN 0006-3088 - Vol. 63, No. 6 (2008), s. 1057-1068

IF (JCR) 2008=0,406

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[o1] 2014 Tanackovic, V. - Svensson, J.T. - Jensen, S.L. - Buleon, A. - Blennow, A.: *Journal of Experimental Botany*, Vol. 65, No. 18, 2014, s. 5179-5192 - SCI

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Lit.: 42 zázň., 4 obr., 2 tab.

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IF (JCR) 2010=0,609

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Lit.: 54 zázň., 4 obr., 4 tab.

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Ohlasy (1):

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Lit.: 62 zázň., 4 obr., 2 tab.

In: *Biologia*. - ISSN 0006-3088 - Vol. 69, No. 9 (2014), s. 1087-1096

IF (JCR) 2013=0,696

ADE Vedecké práce v ostatných zahraničných časopisoch

ADE01 Janeček, Štefan [UKOEXPR] (100%) : Does the increased hydrophobicity of interior and hydrophilicity of exterior of an enzyme structure reflect its increased thermostability?

Lit.: 16 zázň., 2 tab.

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In: *Trends in Glycoscience and Glycotechnology*. - Vol. 12, No. 68 (2000), s. 363-371

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Lit.: 37 zázň., 3 obr.

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ADF01 Janeček, Štefan [UKOEXRP] (90%) - Tóth, Dezider (10%) : Amino acid sequence alignment of microbial, plant and animal alpha-amylases: some evolutionary implications

Lit.: 33 zázň., 5 obr.

In: Biologia. - Vol. 49, No. 3 (1994), s. 301-306

ADF02 Janeček, Štefan [UKOEXRP] (100%) : Tracing the evolutionary lineages among a-amylases and cyclodextrin glycosyltransferases: The question of so-called intermediary enzymes

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ADF03 Janeček, Štefan [UKOEXRP] (60%) - Bateman, Alex (40%) : The parallel (alpha/beta)8-barrel: Perhaps the most universal and the most puzzling protein folding motif

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ADF04 Zámocký, Marcel - Janeček, Štefan [UKOEXRP] (15%) - Koller, Franz : The area of the main substrate channel is highly conserved among all true catalases

Lit.: 19 zázň., 3 obr., 2 tab.

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Lit.: 90 zázň., 10 obr., 1 tab.

In: Nova Biotechnologica. - Vol. 9, No. 1 (2009), s. 5-25

POZNÁMKA:

práca je dostupná aj elektronicky na

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ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADM01 Flores-Ramirez, Gabriela - Janeček, Štefan [UKOEXRP] (20%) - Miernyk, Ján A. - Škultéty, Ľudovít : In silico biosynthesis of virenose, a methylated deoxy-sugar unique to Coxiella burnetii lipopolysaccharide

Lit.: 66 zázň., 1 obr.

In: Proteome Science [elektronický zdroj]. - Vol. 10, No. 1 (2012), Art. No. 67 [online]

Registrované v: scopus, wos

ADM02 Ranjani, Velayudhan - Janeček, Štefan [UKOEXRP] (15%) - Chai, Kian Piaw - Shahir, Shafinaz - Rahman, Raja Noor Zaliha Raja Abdul - Chan, Kok-Gan - Goh, Kian Mau : Protein engineering of selected residues from conserved sequence regions of a novel Anoxybacillus alpha-amylase

Lit.: 50 zázň., 5 obr., 3 tab.

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BCI Skriptá a učebné texty

BCI01 Janeček, Štefan [UKOEXRP] (100%) : Proteínový dizajn : Učebný text pre 2. ročník magisterského stupňa [elektronický zdroj]. - Trnava : Univerzita sv. Cyrila a Metoda, 2014. - 1. vyd. - 114 s. [online]

Lit.: 39 zázň.

ISBN 978-80-8105-594-2

URL: http://fpv.ucm.sk/images/ucebne_texty/Proteinovy_dizajn.pdf

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ADC Vedecké práce v zahraničných karentovaných časopisoch (56)

ADD Vedecké práce v domácich karentovaných časopisoch (12)
ADE Vedecké práce v ostatných zahraničných časopisoch (3)
ADF Vedecké práce v ostatných domácich časopisoch (5)
ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (2)
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