

## **Publikácie / Publications**

**Department: SAVMOBIO - Ústav molekulárnej biológie SAV**  
**Year of publication 2012~2015**

### **Statistics publication category**

ABC	Chapters in scientific monographs published abroad	4
ACD	Chapters in academic/university textbooks published in Slovak publishing houses	1
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	98
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	13
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	2
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	14
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	3
ADNA	Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus	1
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	1
AED	Scientific papers in domestic peer-reviewed proceedings, monographs	6
AEDA	Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks	13
AEGA	Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect	1
AFD	Published papers from domestic scientific conferences	1
AFF	Abstracts of invited papers from domestic conferences	1
AFG	Abstracts of papers from foreign conferences	10
AFH	Abstracts of papers from domestic conferences	6
AFHA	Abstracts of papers from international conferences in Slovakia	6
AFHB	Abstracts of papers from domestic conferences	3
BAB	Professional books published in Slovak publishing houses	2
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	1
<b>Count</b>		<b>187</b>

**ABC Chapters in scientific monographs published abroad**

- ABC01 GASSELHUBER, B. - JAKOPITSCH, C. - ZÁMOCKÝ, Marcel - FURTMULLER, P.G. - OBINGER, C. Mechanistic aspects of catalase-peroxidase. In *Heme peroxidases*. - Cambridge : RSC Publ., 2015, p. 156-180. ISBN 978-1-84973-911-5.
- ABC02 KUTEJOVÁ, Eva - KUCERA, T. - MATUSKOVA, A. - JANATA, J. Mitochondrial processing peptidase. In *Handbook of Proteolytic Enzymes*. - Oxford : Elsevier Sci, 2013, p. 1435-1442. ISBN 9780123822192.
- ABC03 MAJTÁN, Tomáš - KRAUS, J.P. A novel aspect of cobalt toxicity in escherichia coli: production of cobalt protoporphyrin ix and its incorporation into heme proteins. In *Cobalt: Occurrence, Uses and Properties*. - Hauppauge : Nova Sci Publ, 2013, p. 167-190. ISBN 978-1-62808-278-4.
- ABC04 PINAR, G. - ETTENAUER, J.D. - STERFLINGER, K. - PIOMBINO-MASCALI, D. - MAIXNER, F. - ZINK, A. - KRAKOVÁ, Lucia - PANGALLO, Domenico. Microbiological and molecular investigation in the Capuchin Catacombs of Palermo, Italy: Microbial deterioration risk and contamination of the indoor air. In *Science and technology for the conservation of cultural heritage*. - London : Taylor & Francis Group, 2013, p. 87-91. ISBN 978-1-138-00009-4.

#### **ACD Chapters in academic/university textbooks published in Slovak publishing houses**

- ACD01 URBÁNIKOVÁ, Ľubica. Kryštalografia proteínov - význam a využitie štruktúr. In DANIELA UHRÍKOVÁ A KOL. *Biofyzika - Vybrané kapitoly : Učebnica pre vysoké školy*. - Bratislava : Univerzita Komenského v Bratislavе, 2015, s. 145-174. ISBN 978-80-223-3800-4.

#### **ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)**

- ADCA01 AMBRO, Ľuboš - PEVALA, Vladimír - ONDROVIČOVÁ, Gabriela - BELLOVÁ, Jana - KUNOVÁ, Nina - KUTEJOVÁ, Eva - BAUER, Jacob. Mutations to a glycine loop in the catalytic site of human Lon changes its protease, peptidase and ATPase activities. In *FEBS Journal*, 2014, vol. 281, p. (3.986 - IF2013). (2014 - Current Contents). ISSN 1742-464X.

- ADCA02 AMBRO, Ľuboš - PEVALA, Vladimír - BAUER, Jacob - KUTEJOVÁ, Eva. The influence of ATP-dependent proteases on a variety of nucleoid-associated processes. In *Journal of Structural Biology*, 2012, vol. 179, p. 181–192. (3.406 - IF2011). (2012 - Current Contents). ISSN 1047-8477.

- ADCA03 AUER, M. - GRUBER, C. - BELLEI, M. - PIRKER, K.F. - ZÁMOCKÝ, Marcel - KROISS, D. - TEUFER, S.A. - HOFBAUER, S. - SOUDI, M. - BATTISTUZZI, G. - FURTMULLER, P.G. - OBINGER, C. A stable bacterial peroxidase with novel halogenating activity and an autocatalytically linked heme prosthetic group. In *Journal of Biological Chemistry*, 2013, vol. 288, p. 27181-27199. (4.651 - IF2012). (2013 - Current Contents). ISSN 0021-9258.

- ADCA04 BALIOVÁ, Martina - JUHÁSOVÁ, Anna - JURSKÝ, František. The elution of certain protein affinity tags with millimolar concentrations of diclofenac. In

*Journal of chromatography. B.* Analytical technologies in the biomedical and life sciences, 2015, vol. 1006, p. 187–193. (2.729 - IF2014). (2015 - Current Contents, MEDLINE). ISSN 1570-0232.

- ADCA05 BALIOVÁ, Martina - JUHÁSOVÁ, Anna - JURSKÝ, František. Using a collection of MUPP1 domains to investigate the similarities of neurotransmitter transporters C-terminal PDZ motifs. In *Biochemical and biophysical research communications*, 2014, vol. 454, p. 25–29. (2.281 - IF2013). (2014 - Current Contents). ISSN 0006-291X.
- ADCA06 BARÁK, Imrich - MUCHOVÁ, Katarína. The role of lipid domains in bacterial cell processes. In *International Journal of Molecular Sciences*, 2013, vol. 14, p. 4050-4065. (2.464 - IF2012). (2013 - Current Contents). ISSN 1422-0067.
- ADCA07 BAUER, Jacob - ONDROVIČOVÁ, Gabriela - NAJMANOVÁ, L. - PEVALA, Vladimír - KAMENIK, Z. - KOŠTAN, J. - JANATA, J. - KUTEJOVÁ, Eva. Structure and possible mechanism of the CcbJ methyltransferase from *Streptomyces caelestis*. In *Acta Crystallographica D*, 2014, vol. 70, p. 943-57. (7.232 - IF2013). (2014 - Current Contents). ISSN 0907-4449.
- ADCA08 BÍLIKOVÁ, Katarína - POPOVA, M. - TRUSHEVA, B. - BANKOVA, V. New anti-Paenibacillus larvae substances purified from propolis. In *Apidologie*, 2013, vol. 44, p. 278-285. (2.155 - IF2012). (2013 - Current Contents). ISSN 0044-8435.
- ADCA09 BLESÁK, Karol - JANEČEK, Štefan. Sequence fingerprints of enzyme specificities from the glycoside hydrolase family GH57. In *Extremophiles*, 2012, vol. 16, p. 497-506. (2.941 - IF2011). (2012 - Current Contents). ISSN 1431-0651.
- ADCA10 BLESÁK, Karol - JANEČEK, Štefan. Two potentially novel amylolytic enzyme specificities in the prokaryotic glycoside hydrolase  $\alpha$ -amylase family GH57. In *Microbiology : international journal*, 2013, vol. 159, p. 2584-2593. (2.852 - IF2012). (2013 - Current Contents). ISSN 1350-0872 (Print), 1465-2080 (Electronic).
- ADCA11 BORKO, Ľubomír - BAUEROVÁ-HLINKOVÁ, Vladena - HOSTINOVÁ, Eva - GAŠPERÍK, Juraj - BECK, K - LAI, F.A. - ZAHRADNÍKOVÁ, Alexandra - ŠEVČÍK, Jozef. Structural insights into the human RyR2 N-terminal region involved in cardiac arrhythmias. In *Acta Crystallographica D*, 2014, vol. D70, p. 2897-2912. (7.232 - IF2013). (2014 - Current Contents). ISSN 0907-4449. VEGA 2/0131/10, 2/0148/14, APVV-0628-10, APVV-0721-10, British Heart Foundation, NIGMS P41-GM103311.
- ADCA12 BUČKOVÁ, Mária - PUŠKÁROVÁ, Andrea - CHOVANOVÁ, Katarína - KRAKOVÁ, Lucia - FERIANC, Peter - PANGALLO, Domenico. A simple strategy for investigating the diversity and hydrocarbon degradation abilities of cultivable bacteria from contaminated soil. In *World journal of microbiology and biotechnology*, 2013, vol. 29, p. 1085-1098. (1.262 - IF2012). (2013 - Current Contents). ISSN 0959-3993.

- ADCA13 BUČKOVÁ, Mária - PUŠKÁROVÁ, Andrea - SCLOCCHI, M.C. - BICCHIERI, M. - COLAIZZI, P. - PINZARI, F. - PANGALLO, Domenico. Co-occurrence of bacteria and fungi and spatial partitioning during photographic materials biodeterioration. In *Polymer Degradation and Stability*, 2014, vol. 108, p. 1–11. (2.633 - IF2013). (2014 - Current Contents). ISSN 0141-3910.
- ADCA14 CARIDI, A. - SIDARI, R. - KRAKOVÁ, Lucia - KUCHTA, T. - PANGALLO, Domenico. Assessment of color adsorption by yeast using grape skin agar and impact on red wine color. In *Journal International des Sciences de la Vigne e du Vin*, 2015, vol. 49, p. 195-203. (0.625 - IF2014). (2015 - Current Contents). ISSN 1151-0285.
- ADCA15 DA LAGE, J.L. - BINDER, M. - HUA-VAN, A. - JANEČEK, Štefan - CASANE, D. Gene make-up: Rapid and massive intron gains after horizontal transfer of a bacterial  $\alpha$ -amylase gene to Basidiomycetes. In *BMC Evolutionary Biology*, 2013, vol. 13, 40. (3.285 - IF2012). (2013 - Current Contents). ISSN 1471-2148.
- ADCA16 DUDÁŠOVÁ, H. - LUKÁČOVÁ, L. - MURÍNOVÁ, S. - PUŠKÁROVÁ, Andrea - PANGALLO, Domenico - DERCOVÁ, Katarína. Bacterial strains isolated from PCB-contaminated sediments and their use for bioaugmentation strategy in microcosms. In *Journal of Basic Microbiology*, 2014, vol. 54, p. 253–260. (1.822 - IF2013). (2014 - Current Contents). ISSN 0233-111X.
- ADCA17 EREÑO-ORBEA, J. - MAJTÁN, Tomáš - OYENARTE, I. - KRAUS, J.P. - MARTÍNEZ-CRUZ, L.A. Structural basis of regulation and oligomerization of human cystathionine  $\beta$ -synthase, the central enzyme of transsulfuration. In *Proceedings of the National Academy of Sciences of the United States of America*, 2013, vol. 110, no. 40, p. E3790-E3799. (9.737 - IF2012). (2013 - Current Contents). ISSN 0027-8424.
- ADCA18 FALTINOVÁ, Andrea - ZAHRADNÍKOVÁ, Alexandra. Modification of cardiac RYR2 gating by a peptide from the central domain of the RYR2. In *Central European Journal of Biology*, 2013, vol. 8, no. 12, p. 1164-1171. (0.818 - IF2012). (2013 - Current Contents). ISSN 1895-104X. LSHM-CT-2005-018802/CONTICA; APVV-LPP-0441-09, APVV-0628-10.
- ADCA19 FARKAŠOVSKÁ, Jarmila - GODÁNY, Andrej. Analysis of the site-specific integration system of the Streptomyces aureofaciens phage  $\mu$ 1/6. In *Current Microbiology*, 2012, vol. 64, p. 226-233. (1.815 - IF2011). (2012 - Current Contents). ISSN 0343-8651.
- ADCA20 GABRIŠKO, Marek. Evolutionary history of eukaryotic alpha-glucosidases from the alpha-amylase family. In *Journal of Molecular Evolution*, 2013, vol. 76, p. 129-145. (2.145 - IF2012). (2013 - Current Contents). ISSN 0022-2844.
- ADCA21 GABRIŠKO, Marek - JANEČEK, Štefan. Novel family GH3  $\beta$ -glucosidases or  $\beta$ -xylosidases of unknown function found in various animal groups, including birds and reptiles. In *Carbohydrate Research*, 2015, vol. 408, p. 44–50. (1.929 - IF2014). (2015 - Current Contents). ISSN 0008-6215.

- ADCA22 GASSELHUBER, B. - CARPENA, X. - GRAF, M.M. - PIRKER, K.F. - NICOLUSSI, A. - SUNDERMANN, A. - HOFBAUER, S. - ZÁMOCKÝ, Marcel - FURTMULLER, P.G. - JAKOPITSCH, C. - OOSTENBRINK, C. - FITA, I. - OBINGER, C. Eukaryotic catalase-peroxidase: the role of the trp-tyr-met adduct in protein stability, substrate accessibility, and catalysis of hydrogen peroxide dismutation. In *Biochemistry*, 2015, vol. 54, p. 5425-5438. (3.015 - IF2014). (2015 - Current Contents). ISSN 0006-2960.
- ADCA23 GLORIEUX, Ch. - ZÁMOCKÝ, Marcel - SANDOVAL, J.M. - VERRAX, J. - CALDERON, P.B. Regulation of catalase expression in healthy and cancerous cells. In *Free Radical Biology and Medicine*, 2015, vol. 87, p. 84-97. (5.736 - IF2014). (2015 - Current Contents). ISSN 0891-5849.
- ADCA24 HALGAŠOVÁ, Nora - ŠOLTÉSZOVÁ, Barbora - PEVALA, Vladimír - KOŠTAN, J. - KUTEJOVÁ, Eva - BUKOVSKÁ, Gabriela. A RepA-like protein from bacteriophage BFK20 is a multifunctional protein with primase, polymerase, NTPase and helicase activities. In *Virus Research*, 2015, vol. 210, p. 178–187. (2.324 - IF2014). (2015 - Current Contents). ISSN 0168-1702.
- ADCA25 HALGAŠOVÁ, Nora - MESAROSOVA, I. - BUKOVSKÁ, Gabriela. Identification of a bifunctional primase-polymerase domain of corynephage BFK20 replication protein gp43. In *Virus Research*, 2012, vol. 163, p. 454-460. (2.941 - IF2011). (2012 - Current Contents). ISSN 0168-1702.
- ADCA26 HARTMANN, T. - ZHANG, B. - BARONIAN, G. - SCHULTHESS, B. - HOMEROVÁ, Dagmar - GRUBMULLER, S. - KUTZNER, E. - GAUPP, R. - BERTRAM, R. - POWERS, R. - EISENREICH, W. - KORMANEC, Ján - HERRMANN, M. - MOLLE, V. - SOMERVILLE, G.A. - BISCHOFF, M. Catabolite control protein E (CcpE) is a LysR-type transcriptional regulator of TCA cycle activity in *Staphylococcus aureus*. In *Journal of Biological Chemistry*, 2013, vol. 288, p. 36116-36128. (4.651 - IF2012). (2013 - Current Contents). ISSN 0021-9258.
- ADCA27 HNÍZDA, A. - MAJTÁN, Tomáš - LIU, L. - PEY, A.L. - CARPENTER, J.F. - KODÍČEK, M. - KOŽICH, V. - KRAUS, J.P. Conformational properties of nine purified cystathionine  $\beta$ -synthase mutants. In *Biochemistry*, 2012, vol. 51, p. 4755-4763. (3.422 - IF2011). (2012 - Current Contents). ISSN 0006-2960.
- ADCA28 HNÍZDA, A. - MAJTÁN, Tomáš - LIU, L. - PEY, A.L. - CARPENTER, J.F. - KODÍČEK, M. - KOZICH, V. - KRAUS, J.P. Correction to conformational properties of nine purified cystathionine beta-synthase mutants (vol 51, pg 4755, 2012). In *Biochemistry*, 2012, vol. 51, p. 5540-5540. (3.422 - IF2011). (2012 - Current Contents). ISSN 0006-2960.
- ADCA29 HOLIČ, Roman - ŠIMOVÁ, Zuzana - ASHLIN, T. - PEVALA, Vladimír - POLONCOVÁ, Katarína - TAHOTNÁ, Dana - KUTEJOVÁ, Eva - COCKCROFT, Samshad - GRIAČ, Peter. Phosphatidylinositol binding of *Saccharomyces cerevisiae* Pdr16p represents an essential feature of this lipid transfer protein to provide protection against azole antifungals. In *Biochimica et Biophysica Acta : molecular*

*cell biology of lipids*, 2014, vol. 1841, p. 1483–1490. (4.495 - IF2013). (2014 - Current Contents). ISSN 1388-1981.

- ADCA30 HOMEROVÁ, Dagmar - ŠEVČÍKOVÁ, Beatrica - REŽUCHOVÁ, Bronislava - KORMANEC, Ján. Regulation of an alternative sigma factor SigI by a partner switching mechanism with an anti-sigma factor PrsI and an anti-anti-sigma factor ArsI in *Streptomyces coelicolor A3(2)*. In *GENE*, 2012, vol. 492, p. 71-80. (2.341 - IF2011). (2012 - Current Contents). ISSN 0378-1119. Dostupné na internete: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84155180704&partnerID=40&md5=7626b7ba9c43b71bbe0dd43a8b28d8e2>>.
- ADCA31 JAMROŠKOVIČ, Ján - PAVLENDOVÁ, Naďa - MUCHOVÁ, Katarína - WILKINSON, A.J. - BARÁK, Imrich. An Oscillating Min system in *Bacillus subtilis* influences asymmetric septation during sporulation. In *Microbiology-SGM*, 2012, vol. 158, p. 1972-1981. (3.061 - IF2011). (2012 - Current Contents). ISSN 1350-0872 (Print).
- ADCA32 JAMROŠKOVIČ, Ján - SHAO, P.P. - SUVOROVA, E. - BARÁK, Imrich - BERNIER-LATMANI, R. Combined scanning transmission X-ray and electron microscopy for the characterization of bacterial endospores. In *FEMS Microbiology Letters*, 2014, vol. 358, p. 188-93. (2.723 - IF2013). (2014 - Current Contents). ISSN 0378-1097.
- ADCA33 JANEČEK, Štefan - KUCHTOVÁ, A. In silico identification of catalytic residues and domain fold of the family GH119 sharing the catalytic machinery with the  $\alpha$ -amylase family GH57. In *FEBS Letters*, 2012, vol. 586, p. 3360-3366. (3.538 - IF2011). (2012 - Current Contents). ISSN 0014-5793.
- ADCA34 JANEČEK, Štefan - SVENSSON, B. - MACGREGOR, E.A.  $\alpha$ -Amylase: an enzyme specificity found in various families of glycoside hydrolases. In *Cellular and Molecular Life Sciences*, 2014, vol. 71, p. 1149–1170. (5.856 - IF2013). (2014 - Current Contents). ISSN 1420-682X.
- ADCA35 JIANG, S. - WAN, Q. - KRAJČÍKOVÁ, Daniela - TANG, J. - TZOKOV, S.B. - BARÁK, Imrich - BULLOUGH, P.A. Diverse supramolecular structures formed byself-assembling proteins of the *Bacillus subtilis*spore coat. In *Molecular Microbiology*, 2015, vol. 97, p. 347-359. (4.419 - IF2014). (2015 - Current Contents). ISSN 0950-382X.
- ADCA36 JUNG, T.Y. - LI, D. - PARK, J.T. - YOON, S.M. - TRAN, P.L. - OH, B.H. - JANEČEK, Štefan - PARK, S.G. - WOO, E.J. - PARK, K.H. Association of novel domain in active site of archaic hyperthermophilic maltogenic amylase from *Staphylothermus marinus*. In *Journal of Biological Chemistry*, 2012, vol. 278, p. 7979-7989. (4.773 - IF2011). (2012 - Current Contents). ISSN 0021-9258.
- ADCA37 JURSKÝ, František - BALIOVÁ, Martina. Expression and purification of recombinant calpain-derived N-terminal peptides from glycine transporter GlyT2. In *Protein Expression and Purification*, 2013, vol. 88, p. 143-149. (1.429 - IF2012). (2013 - Current Contents). ISSN 1046-5928.

- ADCA38 JURSKÝ, František - BALIOVÁ, Martina - MIHÁLIKOVÁ, Andrea. Molecular basis for differential glycine transporters sensitivity to sanguinarine. In *Toxicology Letters*, 2012, vol. 212, p. 262–267. (3.230 - IF2011). (2012 - Current Contents). ISSN 0378-4274.
- ADCA39 JURSKÝ, František - BALIOVÁ, Martina - JUHÁSOVÁ, Anna. Structural insights into the benzophenanthridines binding to human glycine transporter GlyT1. In *European Journal of Pharmacology*, 2015, vol. 765, p. 1-6. (2.532 - IF2014). (2015 - Current Contents). ISSN 0014-2999.
- ADCA40 KNIRSCHOVÁ, Renáta - NOVÁKOVÁ, Renáta - MINGYAR, Erik - BEKEOVÁ, Carmen - HOMEROVÁ, Dagmar - KORMANEC, Ján. Utilization of a reporter system based on the blue pigment indigoidine biosynthetic gene bpsA for detection of promoter activity and deletion of genes in Streptomyces. In *Journal of microbiological methods*, 2015, vol. 113, p. 1-3. (2.026 - IF2014). (2015 - Current Contents). ISSN 0167-7012.
- ADCA41 KOHÁRYOVÁ, M. - BARÁK, Imrich - KOLLAROVA, M. Expresia a purifikácia tioredoxínu 2 a tioredoxínu 3 zo Streptomyces coelicolor A3(2). In *Chemické listy*, 2012, vol. 106, p. 398-403. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.
- ADCA42 KORMANEC, Ján - NOVÁKOVÁ, Renáta - MINGYAR, Erik - FECKOVÁ, Ľubomíra. Intriguing properties of the angucycline antibiotic auricin and complex regulation of its biosynthesis. In *Applied Microbiology and Biotechnology*, 2014, vol. 98, p. 45–60. (3.811 - IF2013). (2014 - Current Contents). ISSN 0175-7598 (Print), 1432-0614 (Electronic).
- ADCA43 KRAKOVÁ, Lucia - CHOVANOVÁ, Katarína - SELIM, S.A. - ŠIMONOVICOVÁ, A. - PUŠKÁROVÁ, Andrea - MAKOVÁ, A. - PANGALLO, Domenico. A multiphasic approach for investigation of the microbial diversity and its biodegradative abilities in historical paper and parchment documents. In *International Biodeterioration & Biodegradation*, 2012, vol. 70, p. 117-125. (2.074 - IF2011). (2012 - Current Contents). ISSN 0964-8305.
- ADCA44 KRAKOVÁ, Lucia - CHOVANOVÁ, Katarína - PUŠKÁROVÁ, Andrea - BUČKOVÁ, Mária - PANGALLO, Domenico. A novel PCR-based approach for the detection and classification of potential cellulolytic fungal strains isolated from museum items and surrounding indoor environment. In *Letters in Applied Microbiology*, 2012, vol. 54, p. 433-440. (1.622 - IF2011). (2012 - Current Contents). ISSN 0266-8254.
- ADCA45 KRAKOVÁ, Lucia - DE LEO, F. - BRUNO, L. - PANGALLO, Domenico - URZI, C. Complex bacterial diversity in the white biofilms of the Catacombs of St. Callixtus in Rome evidenced by different investigation strategies. In *Environmental microbiology*, 2015, vol. 17, p. 1738-1752. (6.201 - IF2014). (2015 - Current Contents). ISSN 1462-2912.
- ADCA46 KRAKOVÁ, Lucia - CHOVANOVÁ, Katarína - ŽENIŠOVÁ, K. - TURCOVSKÁ, V. - BREŽNÁ, Barbara - KUCHTA, T. - PANGALLO, Domenico.

Yeast diversity investigation of wine-related samples from two different Slovakian wine-producing areas through a multistep procedure. In *LWT - Food Science and Technology*, 2012, vol. 46, p. 406-411. (2.545 - IF2011). (2012 - Current Contents). ISSN 0023-6438.

- ADCA47 KUCHTOVÁ, A. - JANEČEK, Štefan. In silico analysis of family GH77 with focus on amylomaltases from borreliae and disproportionating enzymes DPE2 from plants and bacteria. In *Biochimica et Biophysica Acta : proteins and proteomics*, 2015, vol. 1854, p. 1260–1268. (2.747 - IF2014). (2015 - Current Contents). ISSN 1570-9639.
- ADCA48 KUTAŠ, Peter - FECKOVÁ, Ľubomíra - REHÁKOVÁ, Alena - NOVÁKOVÁ, Renáta - HOMEROVÁ, Dagmar - MINGYAR, Erik - REŽUCHOVÁ, Bronislava - ŠEVČÍKOVÁ, Beatrica - KORMANEC, Ján. Strict control of auricin production in *Streptomyces aureofaciens* CCM 3239 involves a feedback mechanism. In *Applied Microbiology and Biotechnology*, 2013, vol. 97, p. 2413-2421. (3.689 - IF2012). (2013 - Current Contents). ISSN 0175-7598 (Print), 1432-0614 (Electronic).
- ADCA49 LEKSA, Vladimír - PFISTERER, K. - ONDROVIČOVÁ, Gabriela - BINDER, B. - LAKATOŠOVÁ, S. - DONNER, C. - SCHILLER, H.B. - ZWIRZITZ, A. - MRVOVÁ, K. - PEVALA, Vladimír. Dissecting mannose 6-phosphate-insulin-like growth factor 2 receptor complexes that control activation and uptake of plasminogen in cells. In *Journal of Biological Chemistry*, 2012, vol. 287, p. 22450-22462. (4.773 - IF2011). (2012 - Current Contents). ISSN 0021-9258.
- ADCA50 LEVDIKOV, V. - BLAGOVA, E. - RAWLINGS, A.E. - JAMESON, K. - TUNALEY, J. - HART, D.J. - BARÁK, Imrich - WILKINSON, A.J. Structure of the phosphatase domain of the cell fate determinant SpoIIE from *Bacillus subtilis*. In *Journal of Molecular Biology*, 2012, vol. 415, p. 343-358. (4.001 - IF2011). (2012 - Current Contents). ISSN 0022-2836.
- ADCA51 LIU, H. - KRAJČÍKOVÁ, Daniela - ZHANG, Z. - WANG, H. - BARÁK, Imrich - TANG, J. Investigating interactions of the *Bacillus subtilis* spore coat proteins CotY and CotZ using single molecule force spectroscopy. In *Journal of Structural Biology*, 2015, vol. 192, p. 14-20. (3.231 - IF2014). (2015 - Current Contents). ISSN 1047-8477.
- ADCA52 MAJTÁN, Tomáš - KRAUS, J.P. Folding and activity of mutant cystathionine  $\alpha$ -synthase depends on the position and nature of the purification tag: characterization of the R266K CBS mutant. In *Protein Expression and Purification*, 2012, vol. 82, p. 317-324. (1.587 - IF2011). (2012 - Current Contents). ISSN 1046-5928.
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