

Monographs

1. **Růžek D.** (Ed.) 2011: Flavivirus Encephalitis. InTech , Rijeka, 478 pp.

Chapters in monographs

1. Donoso Mantke O., Karan L.S., **Růžek D.** 2011: Tick-borne encephalitis viruses: a general overview. In: Růžek D. (Ed.), Flavivirus Encephalitis. InTech, Rijeka, pp. 133-156.
2. **Sojka D.**, Francischetti I.M.B., Calvo E., **Kotsyfakis M.** 2011: Cysteine proteases from bloodfeeding arthropod ectoparasites. In: M.D. Robinson and J. P. Dalton (Eds.), Cysteine Proteases of Pathogenic Organisms. Landes Biosciences and Springer Science +Business Media, Book Series: Advances in Experimental Medicine and Biology 712: pp. 177-191.
3. **Rudenko N., Golovchenko M.,** Oliver Jr. J. H., **Grubhoffer L.** 2011: Chapter 96th, Borrelia. In: D. Liu (Ed.), Molecular Detection of Human Bacterial Pathogens. CRC Press, Taylor and Francis Group, Boca Raton, Florida, USA, pp. 1155-1168.
4. Kašný M., Mikeš L., Dolečková K., Hampl V., **Dvořák J.,** Novotný M., Horák P. 2011: Cathepsins B1 and B2 of *Trichobilharzia* spp., bird schistosomes causing cercarial dermatitis. In: M.D. Robinson and J.P. Dalton (Eds.), Cysteine Proteases of Pathogenic Organisms. Landes Biosciences and Springer Science + Business Media, Austin, USA. Book Series Advances in Experimental Medicine and Biology 712: 136-154.
5. **Oros M.,** Král'ová-Hromadová I., Hanzelová V., Bruňanská M., **Orosová M.** 2011: *Atractolytocestus huronensis* (Cestoda), a new invasive parasite of common carp in Europe. In J.D. Sanders and S.B. Peterson (Eds.), Carp: Habitat, Management and Diseases. Nova Science Publishers, pp. 63-94.
6. Salgado-Maldonado G., Caspeta-Mandujano J.M., **Moravec F.,** Soto-Galera E., Cabañas-Carranza G., Rodile-Hernández R. 2011: Helmintos parásitos de peces de agua dulce de Chiapas. In: F. Álvarez (Ed.), La Biodiversidad en Chiapas. Universidad Nacional Autónoma de México and CONABIO, Mexico City, pp. 546-555.
7. Wilkes T.E., Duron O., Darby A.C., **Hypša V.,** Nováková E., Hurst G.D.D. 2011: The Genus *Arsenophonus*. In: E. Zchori-Fein and K. Bourtzis (Eds.), Manipulative Tenants: Bacteria Associated with Arthropods. CRC Press, Taylor and Francis Group, Florida. pp. 225-244.

Patents

1. Hozák P., Šlouf M., **Nebesářová J.,** Moša M., Krivjanská M. 2011: Soubor vzájemně rozlišitelných nanočástic pro vícenásobné ultrastrukturální značení. Praha: Úřad průmyslového vlastnictví. Ústav molekulární genetiky AV ČR, v. v. i. - Ústav makromolekulární chemie AV ČR, v. v. i. - Biologické centrum AV ČR, v. v. i. - Sevapharma, a.s. - Central European Biosystems s.r.o, 07.02.2011. 21711
2. Šlouf M., Šloufová I., Hozák P., **Nebesářová J.** 2011: Soubor tří vzájemně mikroskopicky rozlišitelných nanočástic se zlatým povrchem pro současné trojnásobné imunoznačení. Praha: Úřad průmyslového vlastnictví. Ústav makromolekulární chemie AV ČR, v. v. i. - Univerzita Karlova v Praze, Přírodovědecká fakulta - Ústav molekulární genetiky AV ČR, v. v. i. - Biologické centrum AV ČR, v. v. i, 24.02.2011. 21822
3. Šlouf M., Novotný F., Hozák P., **Nebesářová J.** 2011: Soubor tří vzájemně mikroskopicky rozlišitelných nanočástic se zlatým povrchem pro současné trojnásobné imunoznačení. Praha : Úřad průmyslového vlastnictví, 2011. Praha - Praha - Praha - České Budějovice : Ústav makromolekulární chemie AV ČR, v. v. i. - České vysoké učení technické v Praze, Fakulta jaderná a fyzikálně inženýrská - Ústav molekulární genetiky AV ČR, v. v. i. - Biologické centrum AV ČR, v. v. i, 24.02.2011. 21823

Papers with IF (2011) [IF 2010]

1. Acestor N., **Zíková A.,** Dalley R.A., Anupama A., Panigrahi A.K., Stuart K.D. 2011: *Trypanosoma brucei* mitochondrial respiratome: composition and organization in procyclic form. Molecular & Cellular Proteomics 10 (9): 1-14. [IF = 8.354]
2. Achazi K., **Růžek D.,** Donoso-Mantke O., Schlegel M., Ali H.S., Wenk M., Schmidt-Chanasit J., Ohlmeyer L., Ruhe F., Vor T., Kiffner Ch., Kallies R., Ulrich R.G., Niedrig M. 2011: Rodents as sentinels for the prevalence of tick-borne encephalitis virus. Vector-Borne and Zoonotic Diseases 11 (6): 641-647. [IF = 2.733]
3. Alama-Bermejo G., Raga J.A., **Holzer A.S.** 2011: Host-parasite relationship of *Ceratomyxa puntazzi* n. sp. (Myxozoa: Myxosporidia) and sharpshooter seabream *Diplodus puntazzo* (Walbaum, 1792) from the Mediterranean with first data on ceratomyxid host specificity in sparids. Veterinary Parasitology 182: 181-192. [IF = 2.331]
4. Albrechtová K., Sedlák K., Petrželková K.J., Hlaváč J., Mihalca A.D., Lesingirian A., Kanyari P.W., **Modrý D.** 2011: Occurrence of filaria in domestic dogs of *Samburu pastoralists* in Northern Kenya and its associations with canine distemper. Veterinary Parasitology 182 (2-4): 230-238. [IF = 2.331]
5. Alfonso J.D., **Lukeš J.** 2011: Assembling Fe/S-clusters and modifying tRNAs: ancient co-factors meet ancient adaptors. Trends in Parasitology 27 (6): 234-237. [IF = 4.906]
6. Allen A.E., Dupont Ch.L., **Oborník M.,** Horák A., Nunes-Nesi A., McCrow J.P., Zheng H., Johnson D.A., Hu H., Fernie A.R., Bowler Ch. 2011: Evolution and metabolic significance of the urea cycle in photosynthetic diatoms. Nature 473 (7346): 203-209. [IF = 36.101]
7. Ammerman M.L., **Hashimi H.,** Novotná L., Čičková Z., Mcevoy S.M., **Lukeš J.,** Read L.K. 2011: MRB3010 is a core component of the MRB1 complex that facilitates an early step of the kinetoplastid RNA editing process. RNA 17 (5): 865-877. [IF = 6.051]

8. **Ash A., Scholz T.,** Oros M., Kar P.K. 2011: Tapeworms (Cestoda: Caryophyllidea), parasites of *Clarias batrachus* (Pisces: Siluriformes) in the Indomalayan region. *Journal of Parasitology* 97 (3): 435–459. [IF = 1.208]
9. **Ash A., Scholz T.,** Oros M., **Levron C.,** Kar P.K. 2011: Cestodes (Caryophyllidea) of the stinging catfish *Heteropneustes fossilis* (Siluriformes: Heteropneustidae) from Asia. *Journal of Parasitology* 97 (5): 899–907. [IF = 1.208]
10. **Bartošová P., Fiala I.** 2011: Molecular evidence for the existence of cryptic species assemblages of several myxosporeans (Myxozoa). *Parasitology Research* 108 (3): 573–583. [IF = 1.812]
11. **Bartošová P.,** Freeman M.A., Yokoyama H., Caffara M., **Fiala I.** 2011: Phylogenetic position of *Sphaerospora testicularis* and *Latyspora scomberomori* n. gen. n. sp. (Myxozoa) within the marine urinary clade. *Parasitology* 138 (3): 381–393. [IF = 2.522]
12. Bazsalovicsová E., Kraľová-Hromadová I., **Štefka J., Scholz T.,** Hanzelová V., Vávrová S., Szemes T., Kirk R. 2011: Population study of *Atractolytocestus huronensis* (Cestoda: Caryophyllidea), an invasive parasite of common carp introduced to Europe: mitochondrial cox1 haplotypes and intragenomic ribosomal ITS2 variants. *Parasitology Research* 109 (1): 125–131. [IF = 1.812]
13. Borovička J., Noordeloos M.E., Gryndler M., **Oborník M.** 2010: Molecular phylogeny of *Psilocybe cyanescens* complex in Europe, with reference to the position of the secotiid *Weraroa novae-zelandiae*. *Mycological Progress* 10 (2): 149–155. [IF = 1.266]
14. **Brown R., Soldánová M.,** Barrett J., **Kostadinova A.** 2011: Small-scale to large-scale and back: larval trematodes in *Lymnaea stagnalis* and *Planorbarius corneus* in Central Europe. *Parasitology Research* 108 (1): 137–150. [IF = 1.812]
15. Bruňanská M., **Nebesářová J.,** Oros M. 2011: Ultrastructural aspects of spermatogenesis, testes, and vas deferens in the parthenogenetic tapeworm *Atractolytocestus huronensis* Anthony, 1958 (Cestoda: Caryophyllidea), a carp parasite from Slovakia. *Parasitology Research* 108 (1): 61–68. [IF = 1.812]
16. **Burešová V., Hajdušek O., Franta Z., Loosová G., Grunclová L.,** Levashina E.A., **Kopáček P.** 2011: Functional genomics of tick thioester-containing proteins reveal the ancient origin of the complement system. *Journal of Innate Immunity* 3 (6): 623–630. [IF = 2.614]
17. Calvo E., Mizurini D.M., Sa-Nunes A., Ribeiro J.M., Andersen J.F., Mans B.J., Monteiro R.Q., **Kotsyfakis M.,** Francischetti I.M. 2011: Albo-serpin, a factor Xa inhibitor from the mosquito vector of yellow fever, binds heparin and membrane phospholipids and exhibits antithrombotic activity. *Journal of Biological Chemistry* 286 (32): 27998–28010. [IF = 5.328]
18. Carreras-Aubets M., Repulles-Albelda A., **Kostadinova A.,** Carrasson M. 2011: A new cryptic species of *Aponurus* Looss, 1907 (Digenea: Lecithasteridae) from Mediterranean goatfish (Teleostei: Mullidae). *Systematic Parasitology* 79 (2): 145–159. [IF = 1.056]
19. **Chmelař J.,** Oliveira C.J., Řezáčová P., Francischetti I.M., Kovářová Z., Pejler G., **Kopáček P.,** Ribeiro J.M., Mareš M., **Kopecký J., Kotsyfakis M.** 2011: A tick salivary protein targets cathepsin G and chymase and inhibits host inflammation and platelet aggregation. *Blood* 117 (2): 736–744. [IF = 10.558]
20. **Chrudimská T.,** Slaninová J., **Rudenko N., Růžek D., Grubhoffer L.** 2011: Functional characterization of two defensin isoforms of the hard tick *Ixodes ricinus*. *Parasites and Vectors* 4: e63. [IF = 2.13]
21. **Černotíková E., Horák A., Moravec F.** 2011: Phylogenetic relationships of some spirurine nematodes (Nematoda: Chromadorea: Rhabditida: Spirurina) parasitic in fishes inferred from SSU rRNA gene sequences. *Folia Parasitologica* 58 (2): 135–148. [IF = 1.533]
22. Černý O., **Votýpka J.,** Svobodová M. 2011: Spatial feeding preferences of ornithophilic mosquitoes, blackflies and biting midges. *Medical and Veterinary Entomology* 25 (1): 104–108. [IF = 1.895]
23. de Chambrier A., **Scholz T., Ash A.,** Kar P.K. 2011: *Ritacestus* gen. n. (Cestoda: Proteocephalidea) and redescription of *R. ritaii* comb. n., a parasite of *Rita rita* (Siluriformes) in India. *Folia Parasitologica* 58 (4): 279–288. [IF = 1.533]
24. de Chambrier A., **Scholz T.,** Mahmoud Z. N., Mariaux J., **Jirků Miloslav** 2011: Tapeworms (Cestoda: Proteocephalidea) of *Synodontis* spp. (Siluriformes) in Africa: survey of species and their redescriptions. *Zootaxa* (2976): 1–14. [IF = 0.853]
25. **Ditrich O.,** Chrdle A., **Sak B.,** Chmelík V., Kubale J., **Dyková I., Kváč M.** 2011: *Encephalitozoon cuniculi* genotype I as a causative agent of brain abscess in an immunocompetent patient. *Journal of Clinical Microbiology* 49 (7): 2769–2771. [IF = 4.220]
26. Doolittle W.F., **Lukeš J.,** Archibald J.M., Keeling P.J., Gray M.W. 2011: Comment on „Does constructive neutral evolution play an important role in the origin of cellular complexity?“ *BioEssays* 33 (6): 427–429. [IF = 4.479]
27. Dupejová J., **Štěrbá J., Vancová M., Grubhoffer L.** 2011: Hemelipoglycoprotein from the ornate sheep tick, *Dermacentor marginatus*: structural and functional characterization. *Parasites & Vectors* 4: e4. [IF = 2.130]
28. **Dyková I.,** de Buron I., Roumillat W.A., **Fiala I.** 2011: *Henneguya cynoscioni* sp. n. (Myxosporea: Bivalvulida), an agent of severe cardiac lesions in the spotted seatrout, *Cynoscion nebulosus* (Teleostei: Sciaenidae). *Folia Parasitologica* 58 (3): 169–177. [IF = 1.533]
29. **Dyková I., Kostka M., Pecková H.** 2011: Three new species of the amoebozoan genus *Vexillifera* Schaeffer, 1926. *Acta Protozoologica* 50 (1): 55–63. [IF = 0.881]
30. **Dyková I.,** Lorenzo-Morales J., **Kostka M.,** Valladares B., **Pecková H.** 2011: *Neoparamoeba branchiphila* infections in moribund sea urchins *Diadema* aff. *antillarum* in Tenerife, Canary Islands, Spain. *Diseases of Aquatic Organisms* 95 (3): 225–231. [IF = 1.572]

31. **Dyková I., Tým T., Kostka M.** 2011: Xenoma-like formations induced by *Soricimyxum fegati* (Myxosporaea) in three species of shrews (Soricomorpha: Soricidae), including records of new hosts. *Folia Parasitologica* 58 (4): 249–256. [IF = 1.533]
32. Eiras J.C., Saraiva A., Cruz C., Santos M.J., **Fiala I.** 2011: Synopsis of the species of *Myxidium* Butschli, 1882 (Myxozoa: Myxosporaea: Bivalvulida). *Systematic Parasitology* 80 (2): 81–116. [IF = 1.056]
33. **Faltýnková A.,** Karvonen A., Valtonen E.T. 2011: Establishment and interspecific associations in two species of *Ichthyocotylurus* (Trematoda) parasites in perch (*Perca fluviatilis*). *Parasites Vectors* 4 (1): e85. [IF = 2.130]
34. Feng Y., Yang W., Ryan U., Zhang L., **Kváč M., Koudela B., Modrý D.,** Li N., Fayer R., Xiao L. 2011: Development of a multilocus sequence typing tool for *Cryptosporidium muris* and *Cryptosporidium andersoni*. *Journal of Clinical Microbiology* 49 (1): 34–41. [IF = 4.220]
35. Fiala R., Špačková N., **Foldynová-Trantírková S.,** Šponer J., Sklenář V., Trantírek L. 2011: NMR cross-correlated relaxation rates reveal ion coordination sites in DNA. *Journal of the American Chemical Society* 133 (35):13790– 13793. [IF = 9.019]
36. **Flegontov P.,** Gray M.W., Burger G., **Lukeš J.** 2011: Gene fragmentation: a key to mitochondrial genome evolution in Euglenozoa? *Current Genetics* 57 (4): 225–232. [IF = 2.035]
37. **Franta Z., Sojka D., Frantová H., Dvořák J.,** Horn M., Srba J., Talacko P., Mareš M., Schneider E., Craik C.S., McKerrow J.H., Caffrey C.R., Kopáček P. 2011: IrCL1-The haemoglobinolytic cathepsin L of the hard tick, *Ixodes ricinus*. *International Journal for Parasitology* 41 (12): 1253–1262. [IF = 3.822]
38. Gaumann R., **Růžek D.,** Muhlemann K., Strasser M., Beuret C.M. 2011: Phylogenetic and virulence analysis pf tick-borne encephalitis virus field isolates from Switzerland. *Journal of Medical Virology* 83 (5): 853–863. [IF = 2.895]
39. Hartigan A., **Fiala I., Dyková I., Jirků Miloslav,** Okimoto B., Rose K., Phalen D.N., Šlapeta J. 2011: A suspected parasite spill-back of two novel *Myxidium* spp. (Myxosporaea) causing disease in Australian endemic frogs found in the invasive cane toad. *PLoS ONE* 6 (4): e18871. [IF = 4.411]
40. Hänsel R., Loehr F., **Foldynová-Trantírková S.,** Bamberg E., Trantírek L., Doetsch V. 2011: The parallel G-quadruplex structure of vertebrate telomeric repeat sequences is not the preferred folding topology under physiological conditions. *Nucleic Acids Research* 39 (13): 5768–5775. [IF = 7.836]
41. Husník F., Chrudimský T., **Hypša V.** 2011: Multiple origins of endosymbiosis within the Enterobacteriaceae (γ -Proteobacteria): convergence of complex phylogenetic approaches. *BMC Biology* 9: e87. [IF = 5.203]
42. Husník R., Sloboda M., Kovaříková S., **Koudela B.** 2011: Infection with *Crenosoma vulpis* lungworm in a dog in the Czech Republic. *Helminthologia* 48 (1): 56–58. [IF = 0.847]
43. Jeníková M., Němejc K., **Sak B., Květoňová D., Kváč M.** 2011: New view on the age-specificity of pig *Cryptosporidium* by species-specific primers for distinguishing *Cryptosporidium suis* and *Cryptosporidium* pig genotype II. *Veterinary Parasitology* 176 (2/3): 120–125. [IF = 2.331]
44. **Jirků Miloslav, Bartošová P., Kodádková A.,** Mutschmann F. 2011: Another chloromyxid lineage: molecular phylogeny and redescription of *Chloromyxum careni* from the asian horned frog *Megophrys nasuta*. *Journal of Eukaryotic Microbiology* 58 (1): 50–59. [IF = 2.397]
45. Jones S., **Fiala I.,** Prospero-Porta G., House M., Mumford S. 2011: *Sphaerospora elwhaiensis* sp. n. (Myxosporaea: Sphaerosporidae) from landlocked sockeye salmon *Oncorhynchus nerka* (Salmoniformes: Salmonidae) in Washington State, USA. *Folia Parasitologica* 58 (2): 87–94. [IF = 1.533]
46. Koblížek M., Janouškovec J., **Oborník M.,** Johnson J.H., Ferreira S., Falkowski P.G. 2011: Genome sequence of the marine photoheterotrophic bacterium *Erythrobacter* sp. strain NAP1. *Journal of Bacteriology* 193: 5881–5882. [IF = 3.726]
47. **Kořený L., Oborník M.** 2011: Sequence evidence for the presence of two tetrapyrrole pathways in *Euglena gracilis*. *Genome Biology and Evolution* 3: 359–364. [IF = 2.674]
48. **Kořený L.,** Sobotka R., Janouškovec J., Keeling P.J., **Oborník M.** 2011: Tetrapyrrole synthesis of photosynthetic chromerids is likely homologous to the unusual pathway of apicomplexan parasites. *Plant Cell* 23 (9): 3454–3462. [IF = 9.396]
49. Králová-Hromadová I., Bazsalovicsová E., **Štefka J.,** Špakulová M., Vávrová S., Szemes T., Tkach V., Trudgett A., Pybus M. 2011: Multiple origins of European populations of giant liver fluke *Fascioloides magna* (Trematoda: Fasciolidae), a liver parasite of ruminants. *International Journal for Parasitology* 41 (3/4): 373–383. [IF = 3.822]
50. Kubelová M., Tkadlec E., Bednář M., **Roubalová E.,** Široký P. 2011: West-to-east differences of *Babesia canis canis* prevalence in *Dermacentor reticulatus* ticks in Slovakia. *Veterinary Parasitology* 180 (3/4): 191–196. [IF = 2.331]
51. Kučerová Z., Sokolova O.I., Demyanov A., **Kváč M., Sak B., Květoňová D.,** Secor W.E. 2011: Microsporidiosis and cryptosporidiosis in HIV/AIDS Patients in St. Petersburg, Russia: serological identification of microsporidia and *Cryptosporidium parvum* in sera samples from HIV/AIDS patients. *Aids Research and Human Retroviruses* 27 (1): 13–15. [IF = 2.082]
52. **Kváč M.,** Hromadová N., **Květoňová D.,** Rost M., **Sak B.** 2011: Molecular characterization of *Cryptosporidium* spp. in pre-weaned dairy calves in the Czech Republic: absence of *C. ryanae* and management-associated distribution of *C. andersoni*, *C. bovis* and *C. parvum* subtypes. *Veterinary Parasitology* 177 (3/4): 378–382. [IF = 2.331]
53. **Kváč M., Kodádková A., Sak B., Květoňová D.,** Jalovecká M., Rost M., **Salát J.** 2011: Activated CD8+ T cells contribute to clearance of gastric *Cryptosporidium muris* infections. *Parasite Immunology* 33 (4): 210–216. [IF = 2.357]

54. **Kvičerová J.**, Mikeš V., **Hypša V.** 2011: Third lineage of rodent eimerians: morphology, phylogeny and re-description of *Eimeria myoxi* (Apicomplexa: Eimeriidae) from *Eliomys quercinus* (Rodentia: Gliridae). *Parasitology* 138 (10): 1217–1223. [IF = 2.522]
55. **Long S.**, **Changmai P.**, Tsaousis A.D., **Skalický T.**, **Verner Z.**, **Wen Y.-Z.**, Roger, A.J., **Lukeš J.** 2011: Stage-specific requirement for Isa1 and Isa2 proteins in the mitochondrion of *Trypanosoma brucei* and heterologous rescue by human and *Blastocystis* orthologues. *Molecular Microbiology* 81 (6): 1403–1418. [IF = 4.819]
56. **Lukeš J.**, Archibald J.M., Keeling P.J., Doolittle W.F., Gray M.W. 2011: How a neutral evolutionary ratchet can build cellular complexity. *IUBMB Life* 63 (7): 528–537. [IF = 4.251]
57. Mašová Š., Baruš V., **Moravec F.** 2011: New morphological data on the first-stage larvae of two *Procamallanus* species (Nematoda: Camallanidae) based on SEM studies. *Folia Parasitologica* 58 (4): 318–321. [IF = 1.533]
58. **Mendoza-Franco E.F.**, Violante-González J., Rojas Herrera A.A. 2011: Six new and one previously described species of pseudorhabdosynochus (Monogenoidea, Diplectanidae) infecting the gills of groupers (Perciformes, Serranidae) from the Pacific Coasts of Mexico and Panama. *Journal of Parasitology* 97 (1): 20–35. [IF = 1.208]
59. **Mendoza-Palmero C.A.**, **Scholz T.** 2011: New species of *Demidospermus* (Monogenea: Dactylogyridae) of pimelodid catfish (Siluriformes) from Peruvian amazonia and the reassignment of *Urocleidoides* Lebedevi Kritsky and Thatcher, 1976. *Journal of Parasitology* 97 (4): 586–592. [IF = 1.208]
60. **Moravec F.**, Chávez R.A., Oliva M.E. 2011: A new gonad-infecting species of *Philometra* (Nematoda: Philometridae) from the red cusk-eel *Genypterus chilensis* (Osteichthyes: Ophidiidae) off Chile. *Parasitology Research* 108 (1): 227–232. [IF = 1.812]
61. **Moravec F.**, **Fiala I.**, **Dyková I.** 2011: New data on the morphology of *Dichelyne hartwichi* (Nematoda: Cucullanidae), a parasite of freshwater tetraodontid fishes (*Tetraodon* spp.) in Thailand. *Acta Parasitologica* 56 (4): 433–437. [IF = 1.144]
62. **Moravec F.**, Gopalakrishnan A., Rajkumar M., Saravanakumar A., Kaliyamoorthy S. 2011: A new gonad-infecting species of *Philometra* Costa, 1845 (Nematoda: Philometridae) from the marine fish *Terapon jarbua* (Forsskal) (Terapontidae) off the eastern coast of India. *Systematic Parasitology* 80 (1): 23–33. [IF = 1.056]
63. **Moravec F.**, Justine J.-L. 2011: Cucullanid nematodes (Nematoda: Cucullanidae) from deep-sea marine fishes off New Caledonia, including *Dichelyne etelidis* n. sp. *Systematic Parasitology* 78 (2): 95–108. [IF = 1.056]
64. **Moravec F.**, Justine J.-L. 2011: New data on the morphology of *Procamallanus* (*Procamallanus*) *annulatus* and *Procamallanus* (*Spirocamallanus*) *monotaxis* (Nematoda: Camallanidae) from marine fishes off New Caledonia. *Helminthologia* 48: 41–50. [IF = 0.847]
65. **Moravec F.**, Justine J.-L. 2011: Two new gonad-infecting *Philometra* species (Nematoda: Philometridae) from the marine fish *Lutjanus vitta* (Perciformes: Lutjanidae) off New Caledonia. *Folia Parasitologica* 58 (4): 302–311. [IF = 1.533]
66. **Moravec F.**, **Levron C.**, de Buron I. 2011: Morphology and taxonomic status of two little-known nematode species parasitizing North American fishes. *Journal of Parasitology* 97 (2): 297–304. [IF = 1.208]
67. **Moravec F.**, Yooyen T. 2011: Observations on two nematode species parasitizing freshwater fishes in Thailand, including *Spinitectus thaiensis* sp. nov. (Cystidicolidae) from *Pseudomystus siamensis* (Bagridae). *Acta Parasitologica* 56: 58–66. [IF = 1.144]
68. **Moravec F.**, Yooyen T. 2011: Two new species of *Rhabdochona* (Nematoda: Rhabdochonidae) from freshwater fishes in Thailand. *Folia Parasitologica* 58 (3): 224–232. [IF = 1.533]
69. **Oborník M.**, **Vancová M.**, **Lai D.H.**, Janouškovec J., Keeling J.P., **Lukeš J.** 2011: Morphology and ultrastructure of multiple life cycle stages of the photosynthetic relative of Apicomplexa, *Chromera velia*. *Protist* 162: 115–130. [IF = 3.329]
70. Oliveira U.C., Fraga J.S., Licois D., **Pakandl M.**, Gruber A. 2011: Development of molecular assays for the identification of the 11 *Eimeria* species of the domestic rabbit (*Oryctolagus cuniculus*). *Veterinary Parasitology* 176 (2/3): 275–280. [IF = 2.331]
71. **Paris Z.**, **Hashimi H.**, **Lun S.**, Alfonzo J.D., **Lukeš J.** 2011: Futile import of tRNAs and proteins into the mitochondrion of *Trypanosoma brucei evansi*. *Molecular and Biochemical Parasitology* 176 (2): 116–120. [IF = 2.875]
72. Petrášová J., Uzlíková M., Kostka M., Petrželková K.J., Huffman M.A., **Modrý D.** 2011: Diversity and host specificity of *Blastocystis* in syntopic primates on Rubondo Island, Tanzania. *International Journal for Parasitology* 41 (11): 1113–1120. [IF = 3.822]
73. Pérez-del-Olmo A., Morand S., Raga J.A., **Kostadinova A.** 2011: Abundance–variance and abundance–occupancy relationships in a marine host–parasite system: the importance of taxonomy and ecology of transmission. *International Journal for Parasitology* 41: 1361–1370. [IF = 3.822]
74. Poddubnaya L.G., **Levron C.**, Gibson D.I. 2011: Ultrastructural characteristics of the uterine epithelium of aspidogastrea and digenean trematodes. *Acta Parasitologica* 56 (2): 131–139. [IF = 1.144]
75. Profousová I., Mihalíková K., Laho T., Varadyová Z., Petrželková K.J., **Modrý D.**, Kišidayová S. 2011: The ciliate, *Troglodytella abrassarti*, contributes to polysaccharide hydrolytic activities in the chimpanzee colon. *Folia Microbiologica* 56 (4): 339–343. [IF = 0.977]
76. Profousová I., Petrželková K., Pomajbíková K., **Modrý D.** 2011: Survival and morphologic changes of entodiniomorphid ciliate *Troglodytella abrassarti* in chimpanzee feces. *Journal of Zoo and Wildlife Medicine* 42 (1): 69–74. [IF = 0.473]

77. Reblánová M., Špakulová M., **Orosová M.**, Kral'ová-Hromadová I., Bazsalovicsová E., Rajský D. 2011: A comparative study of karyotypes and chromosomal location of rDNA genes in important liver flukes *Fasciola hepatica* and *Fascioloides magna* (Trematoda: Fasciolidae). *Parasitology Research* 109: 2021–1028. [IF = 1.812]
78. **Richterová L., Vávrová Z., Lukeš J.** 2011: DEAD-box RNA helicase is dispensable for mitochondrial translation in *Trypanosoma brucei*. *Experimental Parasitology* 127 (1): 300–303. [IF = 1.869]
79. **Rudenko N., Golovchenko M., Grubhoffer L.**, Oliver J.H. Jr. 2011: Updates on *Borrelia burgdorferi* sensu lato complex with respect to public health. *Tick and Tick Borne Diseases* 2 (3): 123–128. [IF = 0]
80. **Rudenko N., Golovchenko M., Grubhoffer L.**, Oliver J.H. Jr. 2011: *Borrelia carolinensis* sp. nov., a new species of *Borrelia burgdorferi* sensu lato complex isolated from rodents and a tick from the south-eastern USA. *International Journal of Systematic and Evolutionary Microbiology* 61 (2): 381–383. [IF = 1.93]
81. **Růžek D., Salát J.**, Singh S.K., **Kopec'ký J.** 2011: Breakdown of the blood-brain barrier during tick-borne encephalitis in mice is not dependent on CD8+ T-cells. *PLOS One* 6 (5): e20472. [IF = 4.411]
82. **Sak B.**, Brady D., Pelikánová M., **Květoňová D.**, Rost M., **Kostka M.**, Tolarová V., Hůzová Z., **Kváč M.** 2011: Unapparent microsporidial infection among immunocompetent humans in the Czech Republic. *Journal of Clinical Microbiology* 49 (3): 1064–1070. [IF = 4.22]
83. **Sak B., Kváč M.**, Kučerová Z., **Květoňová D.**, **Saková K.** 2011: Latent microsporidial infection in immunocompetent individuals – a longitudinal study. *PLoS Neglected Tropical Diseases* 5 (5): e1162. [IF = 4.752]
84. **Sak B., Kváč M., Květoňová D.**, Albrecht T., Piálek J. 2011: The first report on natural *Enterocytozoon bienersi* and *Encephalitozoon* spp. infections in wild east-european house mice (*Mus musculus musculus*) and west-european house mice (*M. m. domesticus*) in a hybrid zone across the Czech Republic–Germany border. *Veterinary Parasitology* 178: 246–250. [IF = 2.331]
85. **Sak B., Kváč M.**, Petrželková K., **Květoňová D.**, Pomajbíková K., Mulama M., Kiyang J., **Modrý D.** 2011: Diversity of microsporidia (Fungi: Microsporidia) among captive great apes in European zoos and African sanctuaries: evidence for zoonotic transmission? *Folia Parasitologica* 58 (2): 81–86. [IF = 1.533]
86. Saldarriaga J.F., Gile G.H., James E.R., **Horák A.**, Scheffrahn R.H., Keeling P.J. 2011: Morphology and molecular phylogeny of *Pseudotriconympha hertwigi* and *Pseudotriconympha paulistana* (Triconympha, Parabasalia) from neotropical rhinotermitids. *Journal of Eukaryotic Microbiology* 58: 487–496. [IF = 2.397]
87. Salgado-Maldonado G., Caspeta-Mandujano J.M., **Moravec F.**, Soto-Galera E., Rodiles-Hernández R., Cabañas-Carranza G., Montoya-Mendoza J. 2011: Helminth parasites of freshwater fish in Chiapas, Mexico. *Parasitology Research* 108 (1): 31–59. [IF = 1.812]
88. **Schaeffner B.C., Jirků Miloslav,** Mahmoud Z.N., **Scholz T.** 2011: Revision of *Wenyonia* Woodland, 1923 (Cestoda: Caryophyllidea) from catfishes (Siluriformes) in Africa. *Systematic Parasitology* 79 (2): 83–107. [IF = 1.056]
89. **Scholz T.**, Binh T.T., Dezfuli B.S. 2011: *Khawia japonensis* (Cestoda: Caryophyllidea): another invasive parasite of carp, *Cyprinus carpio* L., imported to Europe. *Journal of Fish Diseases* 34: 943–949. [IF = 1.603]
90. **Scholz T., Brabec J.**, Králová-Hromadová I., Oros M., Bazsalovicsová E., Ermolenko A., Hanzelová V. 2011: Revision of *Khawia* (Cestoda: Caryophyllidea), parasites of cyprinid fish, including a key to their identification and molecular phylogeny. *Folia Parasitologica* 58: 197–223. [IF = 1.533]
91. **Scholz T.**, de Chambrier A., Mariaux J., **Kuchta R.** 2011: Redescription of *Corallobothrium solidum* (Cestoda: Proteocephalidea) and erection of a new genus, *Essexiella*, for tapeworms from channel catfish (Ictaluridae). *Journal of Parasitology* 97 (6): 1142–1151. [IF = 1.208]
92. **Schwarz A.**, Juarez J.A., Richards J., Rath B., Machaca V.Q., Castro Y.E., Málaga E.S., Levy K., Gilman R.H., Bern C., Verastegui M., Levy M.Z. 2011: Anti-triatomine saliva immunoassays for the evaluation of impregnated netting trials against Chagas disease transmission. *International Journal for Parasitology* 41 (6): 591–594. [IF = 3.822]
93. Slámová M., Skallová A., Páleníková J., **Kopec'ký J.** 2011: Effect of tick saliva on immune interactions between *Borrelia afzelii* and murine dendritic cells. *Parasite immunology* 33: 654–660.
94. Sloboda M., **Jirků Milan,** Lukešová D., Qablan M., Batsukh Z., **Fiala I.**, Horin P., **Modrý D., Lukeš J.** 2011: A survey for piroplasmids in horses and Bactrian camels in North-Eastern Mongolia. *Veterinary Parasitology* 179 (1/3): 246–249. [IF = 2.331]
95. Sobol M., **Nebesářová J.**, Hozák P. 2011: A method for preserving ultrastructural properties of mitotic cells for subsequent immunogold labeling using low-temperature embedding in LR White resin. *Histochemistry and Cell Biology* 135 (1): 103–110. [IF = 4.727]
96. **Soldánová M., Faltýnková A., Scholz T., Kostadinova A.** 2011: Parasites in a man-made landscape: contrasting patterns of trematode flow in a fishpond area in Central Europe. *Parasitology* 138 (6): 789–807. [IF = 2.522]
97. **Soldánová M., Kostadinova A.** 2011: Rapid colonisation of *Lymnaea stagnalis* by larval trematodes in eutrophic ponds in central Europe. *International Journal for Parasitology* 41 (9): 981–990. [IF = 3.822]
98. Szabová J., **Růžička P., Verner Z., Hampl V., Lukeš J.** 2011: Experimental examination of EFL and MATX eukaryotic horizontal gene transfers: coexistence of mutually exclusive transcripts predates functional rescue. *Molecular Biology and Evolution* 28 (8): 2371–2378. [IF = 5.51]
99. Šíroký P., **Erhart J.**, Petrželková K., Kamler M. 2011: Life cycle of tortoise tick *Hyalomma aegyptium* under laboratory conditions. *Experimental and Applied Acarology* 54 (3): 277–284. [IF = 1.825]

100. Šíroky P., Kubelová M., Bednář M., **Modrý D.**, Hubálek Z., Tkadlec E. 2011: The distribution and spreading pattern of *Dermacentor reticulatus* over its threshold area in the Czech Republic – how much is range of this vector expanding? *Veterinary Parasitology* 183 (1/2): 130–135. [IF = 2.331]
101. **Šípková L.**, **Levron C.**, Oros M., Justine J.-L. 2011: Spermatological characters of bothriocephalideans (Cestoda) inferred from an ultrastructural study on *Oncodiscus sauridae* and *Senga* sp. *Parasitology Research* 109 (1): 9–18. [IF = 1.812]
102. Špakulová M., **Orosová M.**, Mackiewicz J. S. 2011: Cytogenetics and chromosomes of tapeworms (Platyhelminthes, Cestoda). *Advances in Parasitology* 74: 177–230. [IF = 2.886]
103. **Štefka J.**, Hoeck P.E.A., Keller L.F., Smith V.S. 2011: A hitchhikers guide to the Galapagos: co-phylogeography of Galapagos mockingbirds and their parasites. *BMC Evolutionary Biology* 11: e284. [IF = 3.702]
104. Štěřba J., Dupejová J., Fišer M., **Vancová M.**, **Grubhoffer L.** 2011: Fibrinogen-related proteins in ixodid ticks. *Parasites & Vectors* 4: e127. [IF = 2.13]
105. Świdorski Z., Poddubnaya L.G., Gibson D.I., **Levron C.**, Młocicki D. 2011: Egg formation and the early embryonic development of *Aspidogaster limacoides* Diesing, 1835 (Aspidogastrea: Aspidogastridae), with comments on their phylogenetic significance. *Parasitology International* 60 (4): 371–380. [IF = 2.259]
106. Tanifuji G., Kim E., Onodera N.T., Gibeault R., Dlutek M., Cawthorn R.J., **Fiala I.**, **Lukeš J.**, Greenwood S., Archibald J.M. 2011: Genomic characterization of *Neoparamoeba pemaquidensis* (Amoebozoa) and its kinetoplastid endosymbiont. *Eukaryotic Cell* 10 (8): 1143–1146. [IF = 3.395]
107. Unni S.K., **Růžek D.**, Chhatbar C., Mishra R., Johri M.K., Singh S.K. 2011: Japanese encephalitis virus: from genome to infectome. *Microbes and Infection* 13 (4): 312–321. [IF = 2.726]
108. **Vancová M.**, Šlouf M., **Langhans J.**, Pavlová E., **Nebesářová J.** 2011: Application of colloidal palladium nanoparticles for labeling in electron microscopy. *Microscopy and Microanalysis* 17 (5): 810–816. [IF = 3.259]
109. **Vávra J.**, Kamler M., **Modrý D.**, **Koudela B.** 2011: Opportunistic nature of the mammalian microsporidia: experimental transmission of *Trachipleistophora extenrec* (Fungi: Microsporidia) between mammalian and insect hosts. *Parasitology Research* 108 (6): 1565–1573. [IF = 1.812]
110. **Verner Z.**, Čermáková P., **Škodová I.**, **Kriegová E.**, Horváth A., **Lukeš J.** 2011: Complex I (NADH:ubiquinone oxidoreductase) is active in but non-essential for procyclic *Trypanosoma brucei*. *Molecular and Biochemical Parasitology* 175 (2): 196–200. [IF = 2.875]
111. Vlček Č., Marande W., Teijeiro S., **Lukeš J.**, Burger G. 2010: Systematically fragmented genes in a multipartite mitochondrial genome. *Nucleic Acids Research* 39 (3): 979–988. [IF = 7.836]
112. Weidmann M., **Růžek D.**, Křivanec K., Zoeller G., Essbauer S., Pfeiffer M., Zanotto P. M. de A., Hufert F.T., Dobler G. 2011: Relation of genetic phylogeny and geographical distance of tick-borne encephalitis virus in central Europe. *Journal of General Virology* 92 (Part 8): 1906–1916. [IF = 3.568]
113. Williams C.F., Poddubnaya L.G., **Scholz T.**, Turnbull J.F., Ferguson H.W. 2011: Histopathological and ultrastructural studies of the tapeworm *Monobothrium wagneri* (Caryophyllidea) in the intestinal tract of tench *Tinca tinca*. *Diseases of Aquatic Organisms* 97 (2): 143–154. [IF = 1.572]
114. **Yoneva A.**, **Levron C.**, Oros M., **Orosová M.**, **Scholz T.** 2011: Ultrastructure of spermiogenesis and mature spermatozoon of *Breviscolex orientalis* (Cestoda: Caryophyllidea). *Parasitology Research* 108 (4): 997–1005. [IF = 1.812]
115. Yooyen T., **Moravec F.**, Wongsawad C. 2011: *Raphidascaris (Ichthyascaris) arii* sp n. (Nematoda: Anisakidae), a new ascaridoid nematode from marine catfishes in the Gulf of Thailand. *Helminthologia* 48 (4): 262–267. [IF = 0.847]
116. Yooyen T., **Moravec F.**, Wongsawad C. 2011: Two new sibling species of *Procamallanus (Spirocamallanus)* (Nematoda: Camallanidae) from marine fishes in the Gulf of Thailand. *Journal of Parasitology* 97 (5): 931–938. [IF = 1.208]
117. Yooyen T., **Moravec F.**, Wongsawad C. 2011: Two new species of *Cucullanus* Müller, 1777 (Nematoda: Cucullanidae) from marine fishes off Thailand. *Systematic Parasitology* 78 (2): 139–149. [IF = 1.056]