

List of the most important scientific achievements for 2013

Environmental studies and Ecology

UKOPREEF - Department of Environmental Ecology (formerly Department Ecosozology and Physiotactics)

UKOPREKE - Department of Landscape Ecology

UKOPRBEK - Department of Ecology

Goněk, Tomáš (10%) - Kos, Jiří (10%) - Zdražilová, Iveta (10%) - Peško, Matúš [UKOPREEF] (10%) - Keltošová, Stanislava (10%) - Tengler, Jan (10%) - Bobal, Pavel (5%) - Kollár, Peter (5%) - Čížek, Alois (10%) - Kráľová, Katarína [UKOPRCUS] (10%) - Jampílek, Josef (10%) : Antimycobacterial and herbicidal activity of ring-substituted 1-hydroxynaphthalene-2-carboxanilides

Lit.: 50 zázň., 5 obr., 1 schéma, 1 tab.

In: Bioorganic & Medicinal Chemistry. - Vol. 21, No. 21 (2013), s. 6531-6541

Indikátor časopisu:

IF (JCR) **2013=2,951**

Goněk, Tomáš (10%) - Kos, Jiří (5%) - Zdražilová, Iveta (10%) - Peško, Matúš [UKOPREEF] (10%) - Govender, Rodney (5%) - Keltošová, Stanislava (5%) - Chambel, Barbara (5%) - Pereira, Diogo (5%) - Kollár, Peter (5%) - Imramovský, Aleš (5%) - OMahony, Jim (5%) - Coffey, Aidan (5%) - Čížek, Alois (5%) - Kráľová, Katarína [UKOPRCUS] (10%) - Jampílek, Josef (10%) : Antibacterial and herbicidal activity of ring-substituted 2-hydroxynaphthalene-1-carboxanilides

Lit.: 60 zázň., 3 obr., 1 tab.

In: Molecules. - Vol. 18, No. 8 (2013), s. 9397-9419

Indikátor časopisu:

IF (JCR) **2013=2,095**

Kos, Jiří (20%) - Zdražilová, Iveta (10%) - Peško, Matúš [UKOPREEF] (10%) - Keltošová, Stanislava (5%) - Tengler, Jan (5%) - Goněk, Tomáš (5%) - Bobal, Pavel (5%) - Kauerová, Tereza (5%) - Oravec, Michal (5%) - Kollár, Peter (5%) - Čížek, Alois (5%) - Kráľová, Katarína [UKOPRCUS] (10%) - Jampílek, Josef (10%) : Antibacterial and herbicidal activity of ring-substituted 3-hydroxynaphthalene-2-carboxanilides

Lit.: 55 zázň., 3 obr., 1 schéma, 1 tab.

In: Molecules. - Vol. 18, No. 7 (2013), s. 7977-7997

Indikátor časopisu:

IF (JCR) **2013=2,095**

Otevřel, Jan (10%) - Bobal, Pavel (5%) - Zdražilová, Iveta (10%) - Govender, Rodney (5%) - Peško, Matúš [UKOPREEF] (10%) - Keltošová, Stanislava (5%) - Kolečkářová, Petra (5%) - Maršálek, Petr (5%) - Imramovský, Aleš (5%) - Coffey, Aidan (5%) - OMahony, Jim (5%) - Kollár, Peter (5%) - Čížek, Alois (5%) - Kráľová, Katarína [UKOPRCUS] (10%) - Jampílek, Josef (10%) : Antimycobacterial and photosynthetic electron transport inhibiting activity of ring-substituted 4-arylamino-7-chloroquinoliniumchlorides

Lit.: 68 zázň., 3 obr., 1 schéma, 1 tab.

In: Molecules. - Vol. 18, No. 9 (2013), s. 10648-10670

Indikátor časopisu:

IF (JCR) **2013=2,095**

Novomeská, Andrea (35%) - Katina, Stanislav [UKOMFKAMS] (20%) - Copp, Gordon Howard (5%) - Pedicillo, Giovanni (5%) - Lorenzoni, Massimo (5%) - Pompei, Laura (5%) - Cucherousset, Julien (5%) - Kováč, Vladimír [UKOPRBEK] (20%) : Morphological variability of black bullhead *Ameiurus melas* in four non-native European populations

Lit. 51 zázň., 7 obr., 3 tab.

In: Journal of Fish Biology. - Vol. 82, No. 4 (2013), s. 1103-1118

Indikátor časopisu:
IF (JCR) **2013=1,734**

Vaculík, Marek [UKOPRBFR] (30%) - Jurkovič, Ľubomír [UKOPREGE] (20%) - Matejkovič, Peter [UKOPREGE] (20%) - Molnárová, Marianna [UKOPREEF] (10%) - Lux, Alexander [UKOPRBFR] (20%) : Potential Risk of Arsenic and Antimony Accumulation by Medicinal Plants Naturally Growing on Old Mining Sites
Lit.: 75 zázň., 6 obr., 7 tab.

In: Water, Air and Soil Pollution. - Vol. 224, No. 5 (2013), Art. No. 1546 [16 s.]

Indikátor časopisu:

IF (JCR) **2013=1,685**

Vaculík, Marek [UKOPRBFR] (30%) - Jurkovič, Ľubomír [UKOPREGE] (20%) - Matejkovič, Peter [UKOPREGE] (20%) - Molnárová, Marianna [UKOPREEF] (10%) - Lux, Alexander [UKOPRBFR] (20%) : Potential Risk of Arsenic and Antimony Accumulation by Medicinal Plants Naturally Growing on Old Mining Sites
Lit.: 75 zázň., 6 obr., 7 tab.

In: Water, Air and Soil Pollution. - Vol. 224, No. 5 (2013), Art. No. 1546 [16 s.]

Indikátor časopisu:

IF (JCR) **2013=1,685**

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UKOPREKE - Department of Landscape Ecology

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Vilizzi, Lorenzo (50%) - Kováč, Vladimír [UKOPRBEK] (50%): Alternative ontogenies and developmental plasticity: implications for ecological and evolutionary studies on species complexes

Lit.: 58 zázň., 1 tab.

In: Fish and Fisheries. - Vol. 15, No. 3 (2014), s. 523-531

Indikátor časopisu:

IF (JCR) 2014= [2013-8,755]

Peng, Xiaoli (15%) - Xu, Fang (15%) - Zhang, Wenzhong (15%) - Wang, Jingying (15%) - Zeng, Ceng (15%) - Niu, Mingjie (10%) - Chmielewská, Eva [UKOPREEF] (15%) : Magnetic Fe₃O₄ @ silica-xanthan gum composites for aqueous removal and recovery of Pb²⁺

Lit.: 37 zázň., 8 obr., 5 tab.

In: Colloids and Surfaces A - Physicochemical and Engineering Aspects. - Vol. 443, February (2014), s. 27-36

Indikátor časopisu:

IF (JCR) 2014= [2013-2,354]

Jandourek, Ondrej (20%) - Doležal, Martin (10%) - Kunes, Jiří (10%) - Kubiček, Vladimír (10%) - Paterová, Pavla (10%) - Peško, Matúš [UKOPREEF] (10%) - Buchta, Vladimír (10%) - Kráľová, Katarína [UKOPRCUS] (10%) - Zitko, Jan (10%) : New potentially active pyrazinamide derivatives synthesized under microwave conditions

Lit.: 46 zázň., 3 obr., 4 tab.

In: Molecules. - Vol. 19, No. 7 (2014), s. 9318-9338

Indikátor časopisu:

IF (JCR) 2014= [2013-2,095]

- Jandourek, Ondrej (20%) - Doležal, Martin (10%) - Paterová, Pavla (10%) - Kubíček, Vladimír (10%) - Peško, Matúš [UKOPREEF] (10%) - Kunes, Jiří (10%) - Coffey, Aidan (10%) - Guo, Jiahui (10%) - Kráľová, Katarína [UKOPRCUS] (10%) : N-Substituted 5-Amino-6-methylpyrazine-2,3-dicarbonitriles: Microwave-Assisted synthesis and biological properties
Lit.: 45 zázň., 5 obr., 1 tab.
In: Molecules. - Vol. 19, No. 1 (2014), s. 651-671
Indikátor časopisu:
IF (JCR) 2014= **2013=2,095**
- Gonec, Tomáš (15%) - Kos, Jiří (5%) - Nevin, Eoghan (5%) - Govender, Rodney (5%) - Peško, Matúš [UKOPREEF] (10%) - Tengler, Jan (5%) - Kushkevych, Ivan (5%) - Šťastná, Vendula (5%) - Oravec, Michal (10%) - Kollár, Peter (5%) - O Mahony, Jim (5%) - Kráľová, Katarína [UKOPRCUS] (10%) - Coffey, Aidan (5%) - Jampílek, Josef (10%) : Preparation and Biological Properties of Ring-Substituted Naphthalene-1-Carboxanilides
Lit.: 46 zázň., 3 obr., 4 tab.
In: Molecules. - Vol. 19, No. 7 (2014), s. 9318-9338
Indikátor časopisu:
IF (JCR) 2014= **[2013-2,095]**
- Klembara, Jozef [UKOPRBEK] (50%) - Clack, Jennifer A. (10%) - Milner, Andrew R. (20%) - Ruta, Marcello (20%) : Cranial anatomy, ontogeny, and relationships of the Late Carboniferous tetrapod *Gephyrostegus bohemicus* Jaekel, 1902
Lit.: 75 zázň., 8 obr.
In: Journal of Vertebrate Paleontology. - Vol. 34, No. 4 (2014), s. 774-792
Indikátor časopisu:
IF (JCR) 2014= **[2013-2,079]**
- Prokop, Pavol (34%) - Fančovičová, J. (33%) - Fedor, Peter (33%) [UKOPREEF] : Parasites enhance self-grooming behaviour and information retention in humans.
Lit.: 45 zázň., 2 obr.
In: Behavioural Processes. - Vol. 107, September (2014), s. 42-46
Indikátor časopisu:
IF (JCR) 2014= **[5YIF-1,760]**
- Boriová, Katarína [UKOPRGUS] (55%) - Čerňanský, Slavomír [UKOPREEF] (25%) - Matúš, Peter [UKOPRGUS] (5%) - Bujdoš, Marek [UKOPRGUS] (10%) - Šimonovičová, Alexandra [UKOPREPE] (5%) : Bioaccumulation and biovolatilization of various elements using filamentous fungus *Scopulariopsis brevicaulis*
Lit.: 45 zázň., 2 obr., 1 tab.
In: Letters in Applied Microbiology. - Vol. 59, No. 2 (2014), s. 217-223
Indikátor časopisu:
IF (JCR) 2014= **[2013-1,749]**
- Beracko, Pavel [UKOPRBEK] (90%) - Rogáňska, Alexandra (10%) : Intra- and interspecific variations in life strategies of *Erpobdella octoculata* and *Erpobdella vilnensis* in different habitats along the longitudinal gradient of stream
Lit.: 48 zázň., 6 obr., 9 tab.
In: Limnologica. - Vol. 48 (2014), s. 28-38
Indikátor časopisu:
IF (JCR) 2014= **[2013-1,655]**