

## Zoznam publikačnej činnosti

### RNDr. Andrea Straková Fedorková, PhD.

#### ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 Halama, Maroš (80%) [0,8 AH] - Starzacher, Udo (10%) [0,1 AH] - Straková Fedorková, Andrea [UKOEXRP] (10%) [0,1 AH]: Contribution to the Quantification of Risk Assessment in Nanomedicine: Determination of "Run-off" effect of Metallic Nanoparticles in Environments Simulated Different Conditions  
Lit.: 24 záz., 10 obr., 3 tab.  
In: Proceed with caution? Concept and application of the precautionary principle in nanobiotechnology. - Zürich : LIT Verlag, 2012. - S. 173-191 [1 AH]. - ISBN 978-3-643-90091-3  
Anonymné recenzné konanie zo strany vydavateľa [rec.]

#### ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách

ACB01 Oriňák, Andrej (40%) - Oriňáková, Renáta (30%) - Straková Fedorková, Andrea [UKOEXRP] (30% [3,6 AH]): Nanotechnológie. - 1. vyd. - Košice : Univerzita Pavla Jozefa Šafárika, 2012. - 272 s.  
Lit.: 55 záz.  
ISBN 978-80-7097-958-7  
Híveš, Ján [rec.]  
Zeleňák, Vladimír [rec.]

ACB02 Oriňák, Andrej (40%) - Oriňáková, Renáta (30%) - Straková Fedorková, Andrea [UKOEXRP] (30% [3,5 AH]): Nanotechnológie II. - 1. vyd. - Košice : Univerzita Pavla Jozefa Šafárika, 2015. - 254 s.  
Lit.: 49 záz.  
ISBN 978-80-8152-259-8  
Drgoňa, Peter [rec.]  
Híveš, Ján [rec.]  
Sedlaříková, Marie [rec.]

#### ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 Straková Fedorková, Andrea [UKOEXRP] (30%) - Oriňáková, Renáta (30%) - Oriňák, Andrej (10%) - Dudrová, Eva (10%) - Kupková, Miriam (10%) - Kaľavský, František (10%): Determination of corrosion potential of coated hollow spheres  
Lit.: 30 záz., 10 obr., 4 tab.  
In: Corrosion Science. - Vol. 50, No. 3 (2008), s. 754-762  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
IF (JCR) 2008=2,293

ADC02 Straková Fedorková, Andrea [UKOEXRP] (30%) - Wiemhofer, Hans-Dieter (20%) - Oriňáková, Renáta (15%) - Oriňák, Andrej (15%) - Stan, Marian Cristian (5%) - Winter, Martin (5%) - Kaniansky, Dušan [UKOPRCAL] (5%) - Alejos, Ana Nacher (5%): Improved lithium exchange at LiFePO<sub>4</sub> cathode particles by coating with composite polypyrrole-polyethylene glycol layers  
Lit.: 13 záz., 7 obr., 1 tab.  
In: Journal of Solid State Electrochemistry. - Vol. 13, No. 12 (2009), s. 1867-1872  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
IF (JCR) 2009=1,821  
*Ohlasy (5):*  
[o1] 2009 Fergus, J.W.: Journal of Power Sources, Vol. 195, No. 4, Spec. Iss., 2009, s. 939-954 - SCI

- [o1] 2010 Zhao, L. - Wang, W.K. - Wang, A.B. - Yu, Z.B. - Chen, S. - Yang, Y.S.: Progress in Chemistry, Vol. 22, No. 12, 2010, s. 2268-2275 - SCI
- [o1] 2010 Lei, Z. - Weikun, W. - Anbang, W. - Zhongbao, Y. - Shi, C. - Yusheng, Y.: Progress in Chemistry, Vol. 22, No. 12, 2010, s. 2268-2275 - SCOPUS
- [o1] 2011 Ying, W. - Sun, B. - Park, J. - Kim, W.S. - Kim, H.S. - Wang, G.X.: Journal of Alloys and Compounds, Vol. 509, No. 3, 2011, s. 1040-1044 - SCOPUS
- [o1] 2015 Zhang, C. - Liang, Y. - Yao, L. - Qiu, Y.: Journal of Alloys and Compounds, Vol. 627, April, 2015, s. 91-100 - SCI ; SCOPUS

ADC03 Oriňáková, Renáta (40%) - Kupková, Miriam (30%) - Oriňák, Andrej (20%) - Straková Fedorková, Andrea [UKOEXRP] (5%) - Dudrová, Eva (5%): Synthesis of polypyrrole coatings on surface of iron particles

Lit.: 17 zázň., 4 obr., 4 tab.

In: Surface and Interface Analysis. - Vol. 42, No. 12-13 (2010), s. 1706-1711

Registrované v: scopus, wos

Indikátor časopisu:

IF (JCR) 2010=1,249

Ohlasy (1):

- [o1] 2014 Gupta, N.D. - Das, S. - Das, N.S. - Banerjee, D. - Sarkar, D. - Chattopadhyay, K.K.: Journal of Applied Polymer Science, Vol. 131, No. 2, 2014, Art. No. 39771 - SCI ; SCOPUS

ADC04 Straková Fedorková, Andrea [UKOEXRP] (40%) - Wiemhöfer, Hans-Dieter (30%) - Oriňáková, Renáta (20%) - Oriňák, Andrej (5%) - Kaniansky, Dušan [UKOPRCAL] (5%): Surface modification of FePO<sub>4</sub> particles with conductive layer of polypyrrole

Lit.: 11 zázň., 6 obr., 1 tab.

In: Solid State Sciences. - Vol. 12, No. 5, Sp. Iss. (2010), s. 924-928

Registrované v: wos, scopus

Indikátor časopisu:

IF (JCR) 2010=1,828

Ohlasy (4):

- [o1] 2011 Guo, B. - Kong, Q. - Zhu, Y. - Mao, Y. - Wang, Z. - Wan, M. - Chen, L.: Chemistry - A European Journal, Vol. 17, No. 52, 2011, s. 14878-14884 - SCI ; SCOPUS

- [o1] 2013 Zhang, S. - Zhang, J. - He, B. - Xu, S. - Yuan, X.: Synthesis and electrochemical performances of nano-particle FePO<sub>4</sub> and Ce-doped FePO<sub>4</sub> cathode materials for lithium ion batteries by microemulsion method. In: Energy and Environment. Book Series: Materials Materials Science Forum, Vol. 743-744. Zurich : TransTech Publications, 2013, S. 35-43 - CPCI-S ; SCOPUS

- [o1] 2013 Lei, Y. - Qian, X. - Shen, J. - An, X.: Bioresource Technology, Vol. 131, March, 2013, s. 134-138 - SCI ; SCOPUS

- [o1] 2014 Yang, X. - Zhang, S.M. - Zhang, J.X.: Arabian Journal for Science and Engineering, Vol. 39, No. 9, 2014, s. 6687-6691 - SCI ; SCOPUS

ADC05 Straková Fedorková, Andrea [UKOEXRP] (35%) - Oriňáková, Renáta (30%) - Oriňák, Andrej (20%) - Wiemhöfer, Hans-Dieter (5%) - Kaniansky, Dušan [UKOPRCAL] (5%) - Winter, Martin (5%): Surface treatment of LiFePO<sub>4</sub> cathode material with PPy/PEG conductive layer

Lit.: 14 zázň., 7 obr.

In: Journal of Solid State Electrochemistry. - Vol. 14, No. 12 (2010), s. 2173-2178

Registrované v: wos, scopus

Indikátor časopisu:

IF (JCR) 2010=2,234

Ohlasy (20):

- [o1] 2012 Hamid, N.A. - Wennig, S. - Hardt, S. - Heinzl, A. - Schulz, C. - Wiggers, H.: Journal of Power Sources, Vol. 216, October, 2012, s. 76-83 - SCI ; SCOPUS

- [o1] 2012 Chen, Q. - Qiao, X. - Peng, C. - Zhang, T. - Wang, Y. - Wang, X.: Electrochimica Acta, Vol. 78, September, 2012, s. 40-48 - SCI ; SCOPUS

- [o1] 2012 Lai, C.Y. - Xu, J.J. - Wei, Y.F.: Advanced Materials Research, Vol. 347-353, 2012, s. 3522-3526 - SCOPUS

- [o1] 2012 Wang, J. - Sun, X.: Energy and Environmental Science, Vol. 5, No. 1, 2012, s. 5163-5185 - SCOPUS

- [o1] 2012 Yi, T.-F. - Li, X.-Y. - Liu, H. - Shu, J. - Zhu, Y.-R. - Zhu, R.-S.: *Ionics*, Vol. 18, No. 6, 2012, s. 529-539 - SCI ; SCOPUS
- [o1] 2013 Geng, X. - Rao, M. - Li, X. - Li, W.: *Journal of Solid State Electrochemistry*, Vol. 17, No. 4, 2013, s. 987-992 - SCI ; SCOPUS
- [o1] 2013 Lepage, D. - Kuss, C. - Schougaard, S.B.: *Conducting polymers in lithium batteries*. In: *Conducting Polymers: Synthesis, Properties and Applications*. Hauppauge : Nova Science Publishers, 2013, S. 291-314 - SCOPUS
- [o1] 2013 Sun, F. - Wang, J. - Chen, H. - Li, W. - Qiao, W. - Long, D. - Ling, L.: *ACS Applied Materials and Interfaces*, Vol. 5, No. 12, 2013, s. 5630-5638 - SCI ; SCOPUS
- [o1] 2014 Grünebaum, M. - Hiller, M.M. - Jankowsky, S. - Jeschke, S. - Pohl, B. - Schürmann, T. - Vettikuzha, P. - Gentschev, A.-C. - Stolina, R. - Müller, R. - Wiemhöfer, H.-D.: *Progress in Solid State Chemistry*, Vol. 42, No. 4, Sp. Iss., 2014, s. 85-105 - SCI ; SCOPUS
- [o1] 2014 Ju, S.H. - Kang, I.-S. - Lee, Y.-S. - Shin, W.-K. - Kim, S. - Shin, K. - Kim, D.-W.: *ACS Applied Materials and Interfaces*, Vol. 6, No. 4, 2014, s. 2546-2552 - SCI ; SCOPUS
- [o1] 2014 Lai, C.Y. - Wei, J.J. - Wang, Z.: *Applied Mechanics and Materials*, Vol. 672-674, 2014, s. 708-711 - SCOPUS
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- [o1] 2014 Paoletta, A. - Bertoni, G. - Marras, S. - Dilena, E. - Colombo, M. - Prato, M. - Riedinger, A. - Povia, M. - Ansaldo, A. - Zaghbi, K. - Manna, L. - George, C.: *Nano Letters*, Vol. 14, No. 12, 2014, s. 6828-6835 - SCI ; SCOPUS
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- [o1] 2015 Niu, X.-Q. - Wang, X.-L. - Wang, D.-H. - Li, Y. - Zhang, Y.-J. - Zhang, Y.-D. - Yang, T. - Yu, T. - Tu, J.-P.: *Journal of Materials Chemistry A*, Vol. 3, No. 33, 2015, s. 17106-17112 - SCI ; SCOPUS
- [o1] 2015 Niu, X.-Q. - Wang, X.-L. - Xie, D. - Wang, D.-H. - Zhang, Y.-D. - Li, Y. - Yu, T. - Tu, J.-P.: *ACS Applied Materials and Interfaces*, Vol. 7, No. 30, 2015, s. 16715-16722 - SCI ; SCOPUS
- [o1] 2015 Wang, K.-X. - Li, X.-H. - Chen, J.-S.: *Advanced Materials*, Vol. 27, No. 3, Sp. Iss., 2015, s. 527-545 - SCI ; SCOPUS

ADC06 Straková Fedorková, Andrea [UKOEXRP] (40%) - Nacher-Alejos, Ana (20%) - Gómez-Romero, Pedro (20%) - Oriňáková, Renáta (10%) - Kaniansky, Dušan [UKOPRCAL] (10%): *Structural and electrochemical studies of PPY/PEG-LiFePO<sub>4</sub> cathode material for Li-ion batteries*

Lit.: 20 zázň., 5 obr.

In: *Electrochimica Acta*. - Vol. 55, No. 3 (2010), s. 943-947

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2010=3,650

*Ohlasy (38):*

[o1] 2010 Gómez-Romero, P. - Ayyad, O. - Suárez-Guevara, J. - Munoz-Rojas, D.: *Journal of Solid State Electrochemistry*, Vol. 14, No. 11, 2010, s. 1939-1945 - SCI ; SCOPUS

[o1] 2011 Huang, B. - Zheng, X. - Fan, X. - Song, G. - Lu, M.: *Electrochimica Acta*, Vol. 56, No. 13, 2011, s. 4865-4868 - SCI ; SCOPUS

[o1] 2011 Chen, D. - Zhu, G. - Zhu, X. - Qiao, X. - Chen, J.: *Nano Biomedicine and Engineering*, Vol. 3, No. 1, 2011, s. 19-24 - SCOPUS

[o1] 2011 Li, Y.-D. - Zhao, S.-X. - Nan, C.-W. - Li, B.-H.: *Journal of Alloys and Compounds*, Vol. 509, No. 3, 2011, s. 957-960 - SCI ; SCOPUS

[o1] 2011 Pirvu, C. - Manole, C.C. - Stoian, A.B. - Demetrescu, I.: *Electrochimica Acta*, Vol. 56, No. 27, 2011, s. 9893-9903 - SCI ; SCOPUS

[o1] 2011 Shi, Z. - Huang, M. - Huai, Y. - Lin, Z. - Yang, K. - Hu, X. - Deng, Z.: *Electrochimica Acta*, Vol. 56, No. 11, 2011, s. 4263-4267 - SCI ; SCOPUS

[o1] 2011 Wang, X. - Li, T. - Wu, J. - Deng, B. - Zhang, L.: *Journal Wuhan University of Technology, Materials Science Edition*, Vol. 26, No. 4, 2011, s. 624-627 - SCI ; SCOPUS

[o1] 2011 Yang, M. - Gao, Q.: *Journal of Alloys and Compounds*, Vol. 509, No. 8, 2011, s. 3690-3698 - SCI ; SCOPUS

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- [o1] 2013 Lee, J. - Kumar, P. - Lee, J. - Moudgil, B.M. - Singh, R.K.: Journal of Alloys and Compounds, Vol. 550, February, 2013, s. 536-544 - SCI ; SCOPUS
- [o1] 2013 Lepage, D. - Kuss, C. - Schougaard, S.B.: Conducting polymers in lithium batteries. In: Conducting Polymers: Synthesis, Properties and Applications. Hauppauge : Nova Science Publishers, 2013, S. 291-314 - SCOPUS
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- [o1] 2013 Nateghi, M.R. - Zarandi, M.B. - Khosravi, Y. - Padargani, A.: Advanced Science Letters, Vol. 19, No. 1, 2013, s. 286-290 - SCOPUS
- [o1] 2013 Sun, F. - Wang, J. - Chen, H. - Li, W. - Qiao, W. - Long, D. - Ling, L.: ACS Applied Materials and Interfaces, Vol. 5, No. 12, 2013, s. 5630-5638 - SCI ; SCOPUS
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- [o1] 2014 Gong, C. - Deng, F. - Tsui, C.-P. - Xue, Z. - Ye, Y.S. - Tang, C.-Y. - Zhou, X. - Xie, X.: Journal of Materials Chemistry A, Vol. 2, No. 45, 2014, s. 19315-19323 - SCI ; SCOPUS
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- [o1] 2014 Nateghi, M.R. - Negahbanfard, H. - Kavooosi, S.: Russian Journal of Electrochemistry, Vol. 50, No. 3, 2014, s. 274-280 - SCI ; SCOPUS
- [o1] 2014 Nateghi, M.R. - Borhani Zarandi, M. - Fathi, A.: Polymer Science - Series A, Vol. 56, Vol. 5, 2014, s. 623-629 - SCI ; SCOPUS
- [o1] 2014 Popescu, S. - Ungureanu, C. - Albu, A.M. - Pirvu, C.: Progress in Organic Coatings, Vol. 77, No. 11, 2014, s. 1890-1900 - SCI ; SCOPUS
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- [o1] 2014 Yan, H. - Chen, W. - Wu, X. - Li, Y.: Electrochimica Acta, Vol. 46, 2014, s. 295-300 - SCOPUS
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- [o1] 2015 Sengodu, P. - Deshmukh, A.D.: RSC Advances, Vol. 5, No. 52, 2015, s. 42109-42130 - SCI ; SCOPUS
- [o1] 2015 Rao, Y. - Wang, K. - Zeng, H.: Ionics, Vol. 21, No. 6, 2015, s. 1525-1531 - SCI

ADC07 Straková Fedorková, Andrea [UKOEXRP] (30%) - Oriňáková, Renáta (15%) - Oriňák, Andrej (15%) - Talian, Ivan [UKOPRCAL] (10%) - Heile, Andreas (10%) - Wiemhöfer, Hans-Dieter (5%) - Kaniansky, Dušan [UKOPRCAL] (10%) - Arlinghaus, Heinrich F. (5%): Ppy doped PEG conducting polymer films synthesized on LiFePO<sub>4</sub> particles

Lit.: 17 zázn., 7 obr.

In: Journal of Power Sources. - Vol. 195, No. 12 (2010), s. 3907-3912

Registrované v: wos, scopus

Indikátor časopisu:

IF (JCR) 2010=4,290

Ohlasy (25):

[o1] 2011 Cho, Y.-H. - Kim, K. - Ahn, S. - Liu, H.K.: Journal of Power Sources, Vol. 196, No. 3, 2011, s. 1483-1487 - SCI ; SCOPUS

[o1] 2011 Yang, K. - Lin, Z. - Hu, X. - Deng, Z. - Suo, J.: Electrochimica Acta, Vol. 56, No. 7, 2011, s. 2941-2946 - SCI ; SCOPUS

[o1] 2011 Qin, Y. - Zhuang, Q. - Shi, Y. - Jiang, L. - Sun, Z. - Sun, S.: Progress in Chemistry, Vol. 23, No. 2-3, 2011, s. 390-400 - SCI ; SCOPUS

[o1] 2011 Chong, J. - Xun, S. - Zheng, H. - Song, X. - Liu, G. - Ridgway, P. - Wang, J.Q. - Battaglia, V.S.: Journal of Power Sources, Vol. 196, No. 18, 2011, s. 7707-7714 - SCI ; SCOPUS

[o1] 2011 Saji, V.S. - Kim, Y.-S. - Kim, T.-H. - Cho, J. - Song, H.-K.: Physical Chemistry Chemical Physics, Vol. 13, No. 43, 2011, s. 19226-19237 - SCI ; SCOPUS

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[o1] 2012 Gong, Q. - He, Y.-S. - Yang, Y. - Liao, X.-Z. - Ma, Z.-F.: Journal of Solid State Electrochemistry, Vol. 16, No. 4, 2012, s. 1383-1388 - SCI ; SCOPUS

[o1] 2012 Cao, J. - Qu, Y., Guo, R.: Electrochimica Acta, Vol. 67, April, 2012, s. 152-158 - SCI ; SCOPUS

[o1] 2012 Zhang, Y. - Wang, W. - Li, P. - Fu, Y. - Ma, X.: Journal of Power Sources, Vol. 210, 2012, s. 47-53 - SCOPUS

[o1] 2013 Ghalib, H. - Abdullah, I. - Daik, R.: Polymer - Plastics Technology and Engineering, Vol. 52, No. 5, 2013, s. 478-484 - SCI ; SCOPUS

[o1] 2013 Lepage, D. - Kuss, C. - Schougaard, S.B.: Conducting polymers in lithium batteries. In: Conducting Polymers: Synthesis, Properties and Applications. Hauppauge : Nova Science Publishers, 2013, S. 291-314 - BKCI-S ; SCOPUS

[o1] 2013 Zhang, L. - Chai, L. - Qu, Q. - Qu, Q. - Zhang, L. - Shen, M. - Zheng, H.: Electrochimica Acta, Vol. 105, 2013, s. 378-383 - SCI ; SCOPUS

[o1] 2013 Fan, C.-L. - Zhang, K.-H. - Han, S.-C.: Materials Research Bulletin, Vol. 48, No. 7, 2013, s. 2497-2503 - SCI ; SCOPUS

[o1] 2013 Posudievsky, O.Y. - Kozarenko, O.A. - Dyadyun, V.S. - Jorgensen, S.W. - Spearot, J.A. - Koshechko, V.G. - Pokhodenko, V.D.: Electrochimica Acta, Vol. 109, 2013, s. 866-873 - SCI ; SCOPUS

[o1] 2014 ChiuHuang, C.-K. - Zhou, C. - Shadow Huang, H.-Y.: Journal of Nanotechnology in Engineering and Medicine, Vol. 5, No. 2, 2014, Art. No. 021002 - SCI ; SCOPUS

[o1] 2014 Ju, S.H. - Kang, I.-S. - Lee, Y.-S. - Shin, W.-K. - Kim, S. - Shin, K. - Kim, D.-W.: ACS Applied Materials and Interfaces, Vol. 6, No. 4, 2014, s. 2546-2552 - SCI ; SCOPUS

[o1] 2014 Wei, Z. - Xue, L. - Nie, F. - Sheng, J. - Shi, Q. - Zhao, X.: Journal of Power Sources, Vol. 256, 2014, s. 28-31 - SCI ; SCOPUS

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[o1] 2014 Chou, S.-L. - Pan, Y. - Wang, J.-Z. - Liu, H.-K. - Dou, S.-X.: Physical Chemistry Chemical Physics, Vol. 16, No. 38, 2014, s. 20347-20359 - SCI ; SCOPUS

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[o1] 2015 Wang, K.-X. - Li, X.-H. - Chen, J.-S.: Advanced Materials, Vol. 27, No. 3, 2015, s. 527-545 - SCI ; SCOPUS

[o1] 2015 Lee, Y.-S. - Shin, W.-K. - Kannan, A.G. - Koo, S.M. - Kim, D.-W.: ACS Applied Materials and Interfaces, Vol. 7, No. 25, 2015, s. 13944-13951 - SCI ; SCOPUS

ADC08 Bober, Peter (30%) - Oriňák, Andrej (30%) - Oriňáková, Renáta (10%) - Zamostný, Petr (10%) - Ladomerský, Juraj (10%) - Straková Fedorková, Andrea [UKOEXRP] (10%): Hydrogen production by catalysed pyrolysis of polymer blends

Lit.: 22 zázň., 3 obr.  
In: Fuel. - Vol. 90, No. 6 (2011), s. 2334-2339  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
IF (JCR) 2011=3,248

*Ohlasy (1):*  
[o1] 2013 Martinka, J. - Hroncová, E. - Chrebet, T.: A Comparison of the Behaviour of Spruce Wood and Polyolefins During the Test on the Cone Calorimeter. In: Advanced Materials Research, PTS 1-6. Book Series: Advanced Materials Research, Vol. 726-731. Zurich : TransTech Publications, 2013, S. 4280-4287 - CPCI ; SCOPUS

ADC09 Straková Fedorková, Andrea [UKOEXRP] (30%) - Oriňáková, Renáta (25%) - Oriňák, Andrej (25%) - Heile, Andreas (10%) - Wiemhöfer, Hans-Dieter (5%) - Arlinghaus, Heinrich F. (5%): Electrochemical and TOF-SIMS investigations of PPy/PEG-modified LiFePO<sub>4</sub> composite electrodes for Li-ion batteries

Lit.: 22 zázň., 8 obr., 1 tab.  
In: Solid State Sciences. - Vol. 13, No. 5 (2011), s. 824-830  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
IF (JCR) 2011=1,856

*Ohlasy (4):*  
[o1] 2012 Liu, Y. - Jiang, J. - Zhang, W. - Ma, D.: Study on structure and electrochemical performance of LiFePO<sub>4</sub>/C modified by PANI. In: Book Series: Advanced Materials Research, Vol. 512-515 : ICEEP 2012. Zurich : TransTech Publications, 2012, S. 1079-1082 - CPCI-S ; SCOPUS

[o1] 2013 Chiu Huang, C.-K. - Zhou, C. - Shadow Huang, H.-Y.: Exploring lithium-ion intensity and distribution via a time-of-flight secondary Ion Mass spectroscopy. In: Proceedings of the ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE). New York : Amer. Soc. Mechanical Engineers, 2013 - CPCI-S ; SCOPUS

[o1] 2013 Wu, F. - Chen, J. - Li, L. - Zhao, T. - Liu, Z. - Chen, R.: ChemSusChem, Vol. 6, No. 8, 2013, s. 1438-1444 - SCI ; SCOPUS

[o1] 2014 ChiuHuang, C.-K. - Zhou, C. - Shadow Huang, H.-Y.: Journal of Nanotechnology in Engineering and Medicine, Vol. 5, No. 2, 2014, Art. No. 021002 – SCOPUS

ADC10 Straková Fedorková, Andrea [UKOEXRP] (40%) - Oriňáková, Renáta (20%) - Oriňák, Andrej (20%) - Kupková, Miriam (5%) - Wiemhöfer, Hans-Dieter (5%) - Audinot, Jean Nicolas (5%) - Guillot, Jerome (5%): Electrochemical and XPS study of LiFePO<sub>4</sub> cathode nanocomposite with PPy/PEG conductive network

Lit.: 38 zázň., 8 obr., 2 tab.  
In: Solid State Sciences. - Vol. 14, No. 8 (2012), s. 1238-1243  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
IF (JCR) 2012=1,671

*Ohlasy (4):*  
[o1] 2013 \m Kucinskis, G. - Bajars, G. - Kleperis, J.: Journal of Power Sources, Vol. 240, October, 2013, s. 66-79 - SCI ; SCOPUS

[o1] 2014 \m Wu, G. - Zhou, Y. - Gao, X. - Shao, Z.: Solid State Sciences, Vol. 24, October, 2014, s. 15-20 - SCI ; SCOPUS

[o1] 2014 \m Avci, E.: Journal of Power Sources, Vol. 270, December, 2014, s. 142-150 - SCI ; SCOPUS

[o1] 2015 \m Sivakumar, M. - Muruganatham, R. - Subadevi, R.: RSC Advances, Vol. 5, No. 105, 2015, s. 86126-86136 - SCOPUS

ADC11 Čech, Ondřej (25%) - Thomas, Jorge E. (15%) - Sedlaříková, Marie (10%) - Straková Fedorková, Andrea [UKOEXRP] (20%) - Vondrák, Jiří (10%) - Moreno, Mario Sergio (10%) - Visintin, Arnaldo (10%): Performance improvement on LiFePO<sub>4</sub>/C composite cathode for lithium-ion batteries

Lit.: 20 zázň., 6 obr., 1 tab.  
In: Solid State Sciences. - Vol. 20, June (2013), s. 110-114  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
IF (JCR) 2013=1,679

*Ohlasy (5):*

[o1] 2014 Qin, X. - Yang, G. - Ma, F. - Cai, F. - Hu, S.: *Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research*, Vol. 28, No. 12, 2014, s. 949-954 - SCOPUS

[o1] 2014 Shang, W. - Kong, L. - Ji, X.: *Solid State Sciences*, Vol. 38, December, 2014, s. 79-84 - SCI ; SCOPUS

[o1] 2014 Lin, X. - Shu, J. - Wu, K. - Shao, L. - Li, P. - Shui, M. - Wang, D. - Long, N. - Ren, Y.: *Electrochimica Acta*, Vol. 137, August, 2014, s. 767-773 - SCI ; SCOPUS

[o1] 2015 Fajaryatun, R.C. - Sukardi, T.W. - Jumari, A. - Purwanto, A.: Enhancement of lithium battery performance by thickness anode film modification. In: *Materials Science Forum*, Vol. 827. Zurich : Trans Tech Publications, 2015, S. 156-161- SCOPUS

[o1] 2015 Gören, A. - Costa, C.M. - Silva, M.M. - Lanceros-Méndez, S.: Gören, A. - Costa, C.M. - Silva, M.M. - Lanceros-Méndez, S.: *Composites Part B: Engineering*, Vol. 83, December, 2015, s. 333-345 - SCOPUS

ADC12 Straková Fedorková, Andrea [UKOEXRP] (45%) - Oriňáková, Renáta (45%) - Čech, Ondřej (5%) - Sedlaříková, Marie (5%): *New Composite Cathode Materials for Li/S Batteries: A Review*

Lit.: 83 zázň., 1 tab.

In: *International Journal of Electrochemical Science*. - Vol. 8, No. 8 (2013), s. 10308-10319

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2013=1,956

*Ohlasy (7):*

[o1] 2014 Wen, Z. - Lu, D. - Li, S. - Sun, J. - Ji, S.: *International Journal of Electrochemical Science*, Vol. 9, No. 1, 2014, s. 1-11 - SCI ; SCOPUS

[o1] 2014 Zhang, X. - Wang, W. - Wang, A. - Huang, Y. - Yuan, K. - Yu, Z. - Qiu, J. - Yang, Y.: *Journal of Materials Chemistry A*, Vol. 2, No. 30, 2014, s. 11660-11665 - SCI ; SCOPUS

[o1] 2014 Xu, G.-L. - Wang, Q. - Fang, J.-C. - Xu, Y.-F. - Li, J.-T. - Huang, L. - Sun, S.-G.: *Journal of Materials Chemistry A*, Vol. 2, No. 47, 2014, s. 19941-19962 - SCI ; SCOPUS

[o1] 2015 Campbell, B. - Bell, J. - Hosseini Bay, H. - Favors, Z. - Ionescu, R. - Ozkan, C.S. - Ozkan, M.: *Nanoscale*, Vol. 7, No. 16, 2015, s. 7051-7055 - SCI ; SCOPUS

[o1] 2015 Li, S. - Lin, Z.: *Lithium-sulfur battery*. In: *Green Energy and Technology*. Book series, Vol. 172. [s.l.] : Springer, 2015, S. 587-610 - SCOPUS

[o1] 2015 Li, X. - Rao, M. - Chen, D. - Lin, H. - Liu, Y. - Liao, Y. - Xing, L. - Li, W.: *Electrochimica Acta*, Vol. 166, June, 2015, s. 93-99, Art. No. 24596 - SCI ; SCOPUS

[o1] 2015 Ji, Z. - Han, B. - Li, Q. - Zhou, C. - Gao, Q. - Xia, K. - Wu, J.: *Journal of Physical Chemistry C*, Vol. 119, No. 35, 2015, s. 20495-20502 - SCOPUS

ADC13 Nováková, Zuzana [UKOPRCFZ] (40%) - Oriňáková, Renáta (40%) - Straková Fedorková, Andrea [UKOEXRP] (10%) - Oriňák, Andrej (10%): *Electrochemical study of self-assembled monolayer adsorption*

Lit.: 31 zázň., 4 obr., 1 tab.

In: *Journal of Solid State Electrochemistry*. - Vol. 18, No. 8 (2014), s. 2289-2295

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2014=2,446

ADC14 Nováková, Zuzana [UKOPRCFZ] (35%) - Oriňáková, Renáta (35%) - Oriňák, Andrej (10%) - Hvizdoš, Pavol (10%) - Straková Fedorková, Andrea [UKOEXRP] (10%): *Elimination Voltammetry as a New Method for Studying the SAM Formation*

Lit.: 49 zázň., 11 obr., 4 tab.

In: *International Journal of Electrochemical Science*. - Vol. 9, No. 7 (2014), s. 3846-3863

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2014=1,500

ADC15 Oriňáková, Renáta (35%) - Oriňák, Andrej (10%) - Kupková, Miriam (10%) - Sabalová, Mária [UKOPRCFZ] (10%) - Straková Fedorková, Andrea [UKOEXRP] (10%) - Kabátová, Margita (10%) - Kal'avský, František (10%) - Sedlaříková, Marie (5%): *Effect of Heat Treatment on the Corrosion and Mechanical Properties of Electrolytical Composite Ni-B Coatings*

Lit.: 31 zázň., 7 obr., 5 tab.

In: International Journal of Electrochemical Science. - Vol. 9, No. 8 (2014), s. 4268-4286

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2014=1,500

*Ohlasy (1):*

[o1] 2015 Wang, H. - Yu, C. - Huang, S.: International Journal of Electrochemical Science, Vol. 10, No. 7, 2015, s.

5827-5841 - SCI ; SCOPUS

ADC16 Kazda, T. (16%) - Vondrák, J. (14%) - Di Noto, V. (14%) - Straková Fedorková, Andrea [UKOEXRP] (14%) - Sedlaříková, M. (14%) - Čudek, P. (14%) - Vyroubal, P. (14%): The influence of used precursors on the properties of high-voltage cathode materials

Lit.: 16 zázň., 14 obr.

In: Journal of Solid State Electrochemistry. - Vol. 19, No. 3 (2015), s. 647-653

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015= [2014-2,446]

ADC17 Máca, Josef (30%) - Libich, Jiří (30%) - Sedlaříková, Marie (10%) - Vondrák, Jiří (10%) - Straková Fedorková, Andrea [UKOEXRP] (20%): Influence of New Aprotic Electrolytes on Negative Electrode Materials for Lithium-ion Batteries

Lit.: 25 zázň., 13 obr.

In: International Journal of Electrochemical Science. - Vol. 10, No. 7 (2015), s. 5264-5275

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015= [2014-1,500]

ADC18 Kazda, Tomáš 16% - Vondrák, Jiří (12%) - Sedlaříková, Marie (12%) - Gómez-Romero, Pedro (12%) - Musil, Michal (12%) - Čudek, Pavel (12%) - Straková Fedorková, Andrea [UKOEXRP] (12%) - Kašpárek, Vít (12%): The influence of solvents and salts on the properties of high-voltage cathode materials

Lit.: 17 zázň., 11 obr.

In: International Journal of Electrochemical Science. - Vol. 10, No. 8 (2015), s. 6288-6301

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015= [2014-1,500]

#### **ADD Vedecké práce v domácích karentovaných časopisoch**

ADD01 Oriňáková, Renáta (50%) - Straková Fedorková, Andrea [UKOEXRP] (30%) - Oriňák, Andrej (20%): Effect of PPy/PEG conducting polymer film on electrochemical performance of LiFePO<sub>4</sub> cathode material for Li-ion batteries

Lit.: 66 zázň., 16 obr.

In: Chemical papers. - Vol. 67, No. 8 (2013), s. 860-875

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2013=1,193

*Ohlasy (2):*

[o1] 2014 Huang, X. - He, X. - Jiang, C.: RSC Advances, Vol. 4, No. 99, 2014, s. 56074-56083 - SCI ; SCOPUS

[o1] 2014 Bertasi, F. - Vezzu, K. - Negro, E.: Journal of Hydrogen Energy, Vol. 39, No. 6, 2014, s. 2872-2883 - SCI ; SCOPUS

#### **ADE Vedecké práce v ostatných zahraničných časopisoch**

ADE01 Straková Fedorková, Andrea [UKOEXRP] (40%) - Oriňáková, Renáta (20%) - Oriňák, Andrej (20%) - Wiemhöfer, Hans-Dieter (10%) - Audinot, Jean Nicolas (5%) - Guillot, Jerome (5%): LiFePO<sub>4</sub> cathode nanocomposite with PPy/PEG conductive network

Lit.: 17 zázň., 5 obr., 2 tab.



In: ECS Transactions. - Vol. 40, No. 1 (2012), s. 107-115

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

ADM01 Sabalová, Mária (10%) - Straková Fedorková, Andrea [UKOEXRP] (40%) - Oriňáková, Renáta (20%) - Oriňák, Andrej (20%) - Nováková, Zuzana (10%) - Škantárová, Lenka (10): Effect of multi-walled carbon nanotubes on the thermal stability and surface morphology of LiFePO<sub>4</sub> cathode material

Lit.: 26 záz., 5 obr., 2 tab.

In: New Carbon Materials. - Vol. 28, No. 1 (2013), s. 1-7

Registrované v: wos, scopus

ADM02 Škantárová, Lenka (20%) - Oriňáková, Renáta (16%) - Straková Fedorková, Andrea [UKOEXRP] (16%) - Bača, Petr (16%) - Sedlářiková, Marie (16%) - Oriňák, Andrej (16%): Electrochemical Behaviour of Nanoscale Ni Modified Screen-Printed Carbon Electrodes in Corrosion Tests and Hydrogen Evolution Electrocatalysis

Lit.: 25 záz., 5 obr., 3 tab.

In: International Journal of Electrochemical Science. - Vol. 10, No. 10 (2015), s. 8569-8580

Registrované v: scopus

### **DAI Dizertačné a habilitačné práce**

DAI01 Straková Fedorková, Andrea [UKOEXRP] (100%) : New composite cathodes for Li-ion batteries. - Bratislava : [s.n.], 2015. - 49 s. + prílohy

Habilitačná práca (Docent, Doc.) - Univerzita Komenského, Bratislava, 2015

Lit.: 129 záz.

#### **Štatistika kategórií (Záznamov spolu: 79, z nich je do prehľadu zaradených 26):**

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (1)

ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách (2)

ADC Vedecké práce v zahraničných karentovaných časopisoch (18)

ADD Vedecké práce v domácich karentovaných časopisoch (1)

ADE Vedecké práce v ostatných zahraničných časopisoch (1)

ADM Vedecké práce v zahraničných časopisoch registrovaných databázach Web of Science alebo SCOPUS (2)

DAI Dizertačné a habilitačné práce (1)

#### **Štatistika ohlasov na všetky práce (117):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (117)

#### **Štatistika kategórií prác nezaradených do prehľadu (Záznamov spolu: 53):**

ADF Vedecké práce v ostatných domácich časopisoch (6)

AEG Abstrakty vedeckých prác v zahraničných karentovaných časopisoch (1)

AFC Publikované príspevky na zahraničných vedeckých konferenciách (7)

AFD Publikované príspevky na domácich vedeckých konferenciách (9)

AFF Abstrakty pozvaných príspevkov z domácich vedeckých konferencií (1)

AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (11)

AFH Abstrakty príspevkov z domácich vedeckých konferencií (10)

BDF Odborné práce v ostatných domácich časopisoch (2)

BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (6)

